

LIGHT2016 | 2017



recessed

page 36



	ceiling	TunableWhite / dim2warm	
46		pivotable	
134		rigid	(Ima-
160		downlights	
174		light spots	
190		LED panels	
196		high degree of protection indoor	130
230		stainless steel	
242		low installation depth	
258		cardanic spots	
274		frameless spots	
278		loudspeaker	
286	wall recessed		
312	in-ground light		

surface mounted



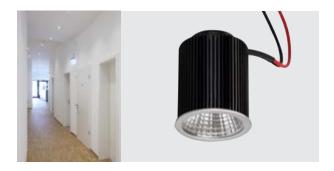


page 318



ceiling mounted 320

wall mounted 344



LED inserts

368

RGB luminaires





376

vitaLED® 2.0





396

QualityFlex® Select

page 460

shoplight





524

fibre optics



546

outdoor



574

accessories



626

index / general terms of sale / glossar

page 652

LIGHT FOR GENERATIONS

"The spirit of innovation, quality and sustainability – our basic philosophy is based on these cornerstones. Also and especially in times of technological change."

Johannes Brumberg

TRAILBLAZING AND SMART LIGHTING SOLUTIONS

As an independent family company, Brumberg is one of the leading producers of innovative and smart lighting solutions. We combine a wealth of experience with extensive knowledge about the market. We also use the latest technologies, which we are continually developing. We are investing today in tomorrow's trends and standards in order to think through future-oriented solutions and to grow actively. At the same time, we do not forget to pay attention to the highest levels of material and workmanship. This is an expression of our value-oriented and sustainable company philosophy.

A UNIQUE DIVERSITY OF PRODUCTS

We offer in our portfolio a broad spectrum of LED lights and lighting fixtures with conventional light sources in various designs. materials, surface finishes and power ratings with different protection classes for all applications. We have the widest range of recessed spots throughout Europe. We have implemented diverse product types from Tunable White and dim2warm to laser technology and flex strips to shop lighting and dynamic light. In close collaboration with scientists at the South Westphalia University of Applied Sciences, we have created the smart vitalizing vitaLED® RGBW lighting system. Customised project-related solutions are also feasible in all product areas.

COMPLEX LIGHTING PROJECTS

We are connected through numerous alliances to electricians, lighting planners, architects, wholesalers and specialist retailers. In our Brumberg Technical Centre, we convey to our partners theoretical principles and practical know-how about the latest lighting technology. Together we realise complex lighting projects for the hotel and restaurant trade, industry and retail and healthcare sectors. For the luxury private sector, we plan lighting for bathrooms, wellness areas, kitchens and living spaces, among others. We are your expert contact for renovations and modernisations as well as sophisticated customised lighting solutions for existing historically landmarked buildings.

EXPERIENCE LIGHT LIVE IN THE LED COMPETENCE CENTERS.

In our LED Competence Centers, current and potential customers can see, sense and experience live the effect of light on mood and ambience, attitude toward life and comfort in different scenarios. They will experience that light is more than luminous intensity and colour.







A THINK TANK WITH AMBITIOUS GOALS

"We see ourselves as trailblazers, as a think tank for the lighting industry. Our goal is to develop time and again future-oriented solutions for demanding customers."

Benedikt Brumbera

THE BRUMBERG BRAND AND ITS VALUES

Brumberg has become a brand that customers and partners domestically and abroad trust. Our thinking and actions are determined by the values that characterise our brand.

BRAND FSSENCE: AMBITION

A healthy ambition is what drives us. We live the courage to be different according to the motto, 'Think differently'. We set ambitious goals for ourselves and keep their realisation firmly in view. With this attitude, we succeeded for example in developing the new, future-oriented vitaLED® lighting system. Our success strengthens our own market position and that of our partners.

BASIC VALUE: AUTONOMY

We stand on a solid foundation that allows us to make independent and autonomous decisions so that we will achieve the best for our customers, partners and employees. We value self-reliant, authentic employees, whom we actively support in their professional and personal advancement. We meet our customers and partners on an equal footing. They know that they can always rely on us.

ORIENTATION VALUE: CONSISTENCY

We see ourselves as 'doers' who are consistently looking forward. We are continually developing our company and our products. During the sales of our products and the realisation of complex lighting projects, we collaborate consistently with our partners from trade, light planning and business. Together we create sustainable solutions for our customers.

TREND VALUE: INNOVATION

As a leading producer of innovative and smart lighting solutions, we see ourselves as a think tank for our industry. Wherever it appears reasonable, we leave the beaten path in order to strike out in new directions. This opens new perspectives for us and our customers and partners. In this way we will also remain in the future a company with an independent and distinctive character.

ON THE CUTTING EDGE FOR MORE THAN 140 YEARS

Brumberg Leuchten GmbH & Co. KG has been an independent family company for more than 140 years. Now in its 5th generation, it is being led by Johannes and Benedikt Brumberg.



SPIRIT OF INNOVATION BASED ON TRADITION

The beginnings of the company's history go back to 1873, when Hermann Josef Brumberg founded the metal goods factory of the same name. In 1875 production was converted to petroleum lamps, which were needed for the ore mining being carried out in the Sauerland. It is part of our tradition to develop time and again a new spirit of innovation based on many years of experience. With LED solutions such as vitaLED® and vitaLED® smart, TunableWhite or dim2warm, we are also on the cutting edge in the 21st century.





























BRUMBERG

Milestones of the Company's Development



1873

Company foundation

In 1873 the merchant Hermann Josef Brumberg, born in an old peasant and trader family, founded the metal ware company bearing his name as one of the first industries in Sundern.



1875

Oil lamps

In Neheim, near Sundern, oil lamps were already being produced for the ore mining in the Sauerland area. As a result, the company added accessories for oil lamps in 1875, and later changed to the complete production of oil lamps.



The second generation

After the death of the company's founder in 1892, his son Josef managed the business successfully. By the end of the 19th century, the considerable range had an excellent reputation within the lighting branch.



The third generation

After some setbacks the sons Josef and Walter Brumberg took over the company in 1933.



1890

Flood

In 1890 a flood disaster in the valley of the Röhre river ruined almost the whole production.

1914 Fire destro

Fire destroyed plants

1914 a large fire destroyed all the factory buildings. The First World War and the subsequent economic crisis were difficult, but all these problems were overcome. 1945

The Second World War

During the Second World War the production was compelled to be changed for German Armed Forces needs. This implicated the clearing of the factory buildings by order of the occupying power in 1945. 1950

A fire again

In 1950 another fire destroyed the company, including its most important documents, files, and design drawings. Nevertheless, the company made a recovery.





The fourth generation

The company was passed to the brothers Hermann Josef and Johannes Brumberg in 1972.





The fifth generation

Johannes Brumberg jr. became CEO and supports his parents Antoinette and Johannes Brumberg.





Dipl.-Kfm. Benedikt Brumberg becomes managing director of the family business.

2012 Cooperation Jung



Cooperation with the Albrecht Jung GmbH & Co. KG.

2015

Openina

Showroom Alling



1985

New foundation

IDue to an economic crisis, associated with differences the Josef Brumberg lighting company was liquidated in 1985. However, in the same year the new founded Brumberg-Leuchten GmbH & Co. KG continued with the family's tradition.





Johannes Brumberg jr., bachelor of commerce, supported his parent's enterprise after he successfully finished studies of business administration in Münster and Hannover.





Bachelor of commerce Benedikt Brumberg supported his parent's enterprise and became responsible for the purchase department

2009

Initiation of the German competence partner program



2014 RELUX membership

Brumberg becomes a member of RELUX.

2016

New Alliances

Connected Comfort Elektromarken. Starke Partner.

eNET

FEELSMART

2016

Opening

Showroom HKZ in Munich (Germany)



3D-Visualisation in Relux

LIGHT PLANNING FOR LIGHTING CONVENIENCE AND EFFICIENCY

Light is a significant design factor in architecture and interior design. The role of professional light planning has become even more important. It creates a connection between the spatial and lighting concept and provides the highest level of lighting comfort with maximum energy efficiency and compliance with all relevant standards.

LIGHTING CONCEPT WITH PRIORITIES AND GOALS

The goals and priorities are precisely defined before the beginning of the project. Determining the lighting concept and choosing the types of lighting subsequently occurs, then defining the light management and the lights, lamps and control units. Every component should make a maximum contribution to light quality and energy efficiency.

A VIVID IMAGE THROUGH 3D VISUALISATION

Special software programs, such as the leading planning software RELUX, support lighting planners by making photometric calculations for a lighting system. RELUX provides all the necessary programs and data for preparing professional planning. A graphic computer display conveys a vivid image of the property and the light planning as a 3D visualisation. This includes both the basic lighting as well as the accent lighting in interior and exterior spaces.

PLANNING RELIABILITY THROUGH LIGHTING CALCULATION

With the help of the lighting calculation, parameters such as type of lighting, lighting intensity and colour grading are determined and checked in advance. The position of the lights can also be precisely determined. The calculation of the correct photometric data furthermore provides information about compliance with international standards.



Completed project Landgasthof Hoffmann, Arnsberg (Germany)

RELUX

Working with leading international manufacturers we make our complete product information available in a standard format on an online platform. A selection of around one million luminaries, 2000 sensors and 1000 lamp versions enable you to quickly and accurately find the right product. Compare your choice and save your favourites in the account provided by Relux. Share this information with other ReluxNet users. Calculate the number of products required for a specific task online. We are confident that you will save considerable time in the future using ReluxNet!











LIGHT - EXPERTISE - TRAINING

In the Brumberg Technical Centre, we impart to our partners the necessary knowledge about solutions in the area of LED lighting and control technology. This is presented in increasingly shorter cycles in this era of innovative LED technology.

BRUMBERG TECHNICAL CENTRE

Electricians, lighting planners, architects, and wholesalers and specialist retailers become acquainted with our products and LED quality solutions, find out everything worth knowing about technical implementation as well as connection and control options. We examine together the added value of new technical products and present various application scenarios live in our LED Competence Center in Sundern.

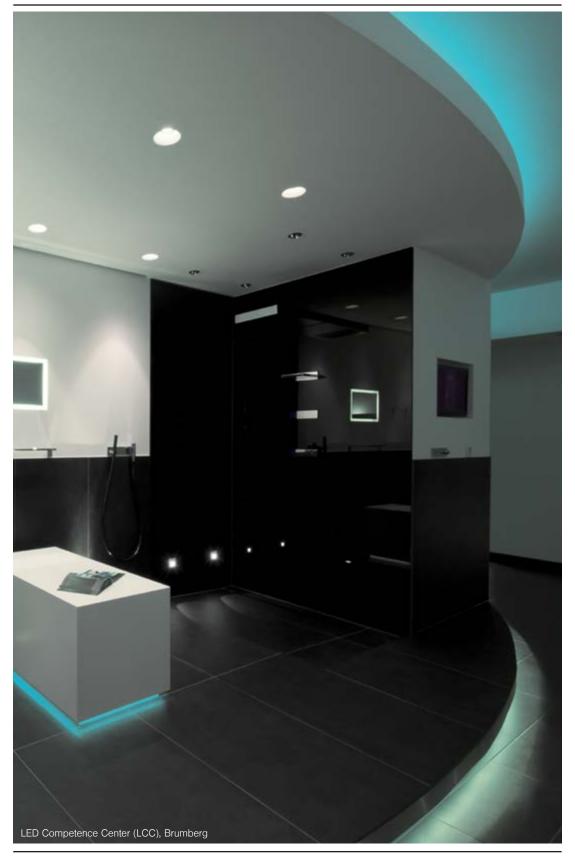
THEORY AND PRACTICE MODULES

With these modules, we prepare our partners and their employees for the increasing demands and actively support them in their day-to-day tasks. In this way they remain on the cutting edge and can be persuasive with their expertise.

INDIVIDUAL KNOWLEDGE TRANSFER

Our trainings are divided into modules. The individual modules in each case offer the best of theory and practice. They convey know-how about fundamentals, effects and control variants of the LED lighting types as well as the practical planning of lighting systems and their installation and commissioning. The range of topics includes classic LED white light, dynamic vitaLED® light, ambient lighting with LED RGB light sources and LED flex strips from the QualityFlex® Select series. Sales-promoting shop light planning and lighting solutions for health, well-being and safety are additional topics in the Brumberg Technical Centre.







EXPERIENCE LIGHT LIVE

Brumberg will take you into the digitally networked smart home living environments of today and tomorrow. Networked thinking and acting turns into a live experience – in competence centers and top-class showrooms.

LED COMPETENCE CENTER SUNDERN

On three floors in our LED Competence Center in Sundern, we present lighting as it is actually being used. Real-life staged living and working environments are a special highlight. In the wellness area, hotel suite, high quality living space, outdoor area or in the private bathroom, we demonstrate the facets and effects of individual lighting scenarios, lighting colours and intensities as well as control options.

How light can contribute to sales success in modern retail stores is also a topic of our exhibition. Shopping needs can be aroused and brand identities created in the interaction with architecture and interior furnishings. You experience live when LED lighting creates spaces and objects in a fascinating way. Experience light as inspiration!

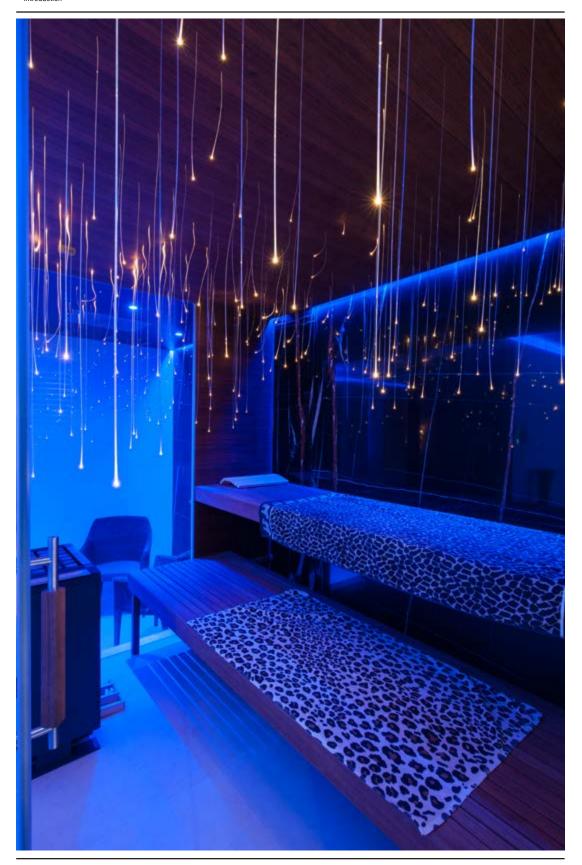














LIGHT EXPERIENCE ENVIRONMENTS THROUGHOUT GERMANY

A spectacular light experience environment has been created in Alling outside of Munich in a 200 m² luxury loft that can actually be lived in. There are generationally compatible lighting solutions in Iserlohn, and Oberschleißheim is turning into a hot spot for the hotel industry.

HABITABLE LUXURY LOFT IN ALLING

The large luxury loft has baths, sauna, kitchen, living area as well as bedrooms and is networked by smart building system technology, which also controls the efficient lighting. The private spa is equipped with exclusive e-solutions products from the Dornbracht brand and wellness solutions such as the Sensory Sky lifestyle shower with vitaLED®. Different pre-programmed scenarios offer the user the utmost comfort – an experience for the senses that is complemented by high-end audio solutions.

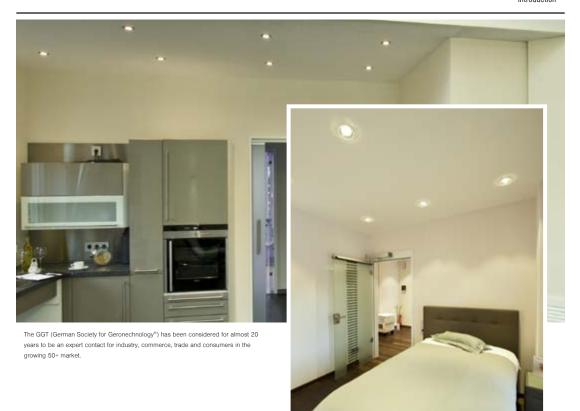
Located in the outside area is a WellnessCube® – your personal temple of luxury embedded in nature. You can enjoy the advantages of a sauna with a view of the stylishly designed garden. Our exclusive vitaLED® lighting system immerses the space and its wet areas in relaxing or activating scenarios by means of smart networked controllers.

The highlight: you can rent the entire loft with baths, kitchen, living area as well as bedrooms for one or two nights.









GGT MODEL HOME IN ISERLOHN

Visit the GGT model home in Iserlohn! In addition to generation-compatible lighting solutions from Brumberg, you will find here numerous products from other trades that will make your life more

comfortable and easier. During a 2-day seminar, Brumberg and the GGT® can provide information on the topic of gerontechnology at Brumberg and on site in the GGT® model property.

HOTEL COMPETENCE CENTER IN OBERSCHI FISSHEIM

In the vicinity of the city of Munich, an information and events platform has been created for hoteliers, operating companies, investors, manufacturers and project developers from the hotel and restaurant trades. Manufacturers' solutions are presented here in a neutral environment, where contacts can also be made. The goal is to establish the largest integrated network for developing, modernizing and upgrading hotel and restaurant businesses.



SMART TECHNOLOGY – STRONG PARTNERS

"In order to be successful in the market in the long run, we have to offer our customers more than others. This is the precise starting point for our brand partnerships. Ideal overall solutions for upscale quality of life and living will result from the collaboration."

Johannes Brumberg

BRUMBERG IS SHAPING THE SMART FUTURE

The future of lighting technology is smart. Brumberg is actively helping to shape this development – as a development and alliance partner and leading brand manufacturer. With these consortia, we are not only setting new benchmarks for housing standards in the premium real estate sector. We are also consciously setting an example for strong brands. We will pass the advantages of the premium collaboration on to you. Our solutions represent state-of-the-art technology and can be integrated into integrally networked smart home scenarios. Our brand partners are leaders in this area – and with them automatically our trade partners as well.

JUNG - Brumberg has developed the connection to a facility pilot project in collaboration with this specialist for controls and building system technology. The lighting control for the dynamic 4-channel vitaLED® colour light system can be easily integrated into a KNX control system. Jung products are convincing through their use of modern technology, sophisticated design and a wide range of functionality – from lighting, blind and temperature control systems to wireless technology and KNX technology, door communication and multimedia control.





DORNBRACHT - Brumberg has joined a development partnership with the well-known manufacturer of multiple award-winning design fittings and accessories for the bathroom and kitchen. Through this partnership, the Sensory SkyATT lifestyle shower was developed, where water, light and fragrance appeal to the senses in fascinating choreographies. Dornbracht's innovative family business focusses on future-oriented, integrally networked smart water concepts, which allow the kitchen and bathroom to be turned into experiential spaces. GGT - As a recognised partner company of the GGT® (German Society for Gerontechnology), Brumberg is developing generation-compatible lighting solutions for health, well-being and safety. Numerous user-friend products have been awarded the GGT® seal of approval. During a 2-day seminar, Brumberg and the GGT® can provide information on the topic of gerontechnology at Brumberg and on site in the GGT® model property.



SMART HOME - INTEGRALLY NETWORKED RESIDENTIAL COMFORT

"We don't make any compromises with our products. Quality and futureoriented smart solutions are the cornerstones of our success."

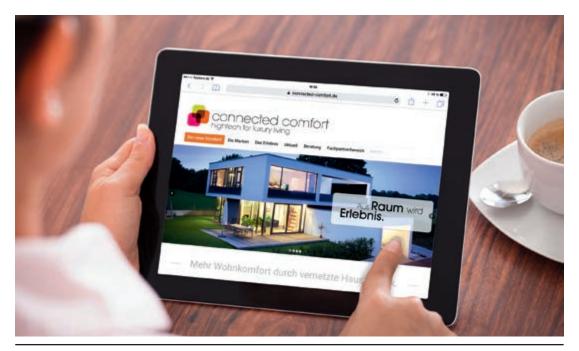
Benedikt Brumberg

BRUMBERG POINTS THE WAY TO SUCCESS

Digital networking plays a key role in everyday life today – in buildings as well. A new high standard for buildings is resulting from the perfect interplay between the very latest technology and high quality design. The smart continuously adjustable lighting systems from Brumberg fit superbly into this segment. They are part of the solutions that cut across trades and that we are implementing together with our brand partners. In many areas of the building – from building technology to household appliances to consumer electronics – scenarios can be activated with the touch of a button, individually adjusted and controlled to a large extent using a smartphone. In the smart home it is always the individual with his or her needs who is of primary importance and not the technology.

CONNECTED COMFORT - Leading premium brands from all sectors have joined together under the Connected Comfort umbrella in order to bring more cross-trade technical intelligence into buildings. Gira, Dornbrcht, Revox, Miele, Vaillant, Loewe and Brumberg, together with their local partners, make a new furnishings standard possible for added-value living at the highest level. Connected Comfort offers networked KNX-based building technology as a comprehensive solution from a single source for special requirements. The choice of the lighting solution is thus optimally matched with the property.







ENET - Combining the positive effects of professional lighting technology with the advantages of smart building control is at the heart of the eNet alliance of Brumberg and the brand manufacturers Jung and Gira. A product of this collaboration is the bidirectional eNet radio system, with which smart technology for building automation can be integrated into existing buildings. As part of the eNet alliance, Brumberg offers, for example, atmospheric dim2warm solutions and the 7 watt LED spot with a particularly shallow installation depth.

FEELSMART - With its smart KNX planning tool, Feelsmart simplifies the implementation of smart home scenarios. Developers, architects, planners and electricians can use the Feelsmart platform for planning building automation via KNX system technology. Brumberg brings to the alliance the dynamic 4-channel vitaLED® light system as well as universally deployable white light luminaires.

ELEKTROMARKEN ('ELECTRICAL BRANDS') – STRONG PARTNERS - The initiative of the 17 leading brand manufacturers pools the reliable expertise and proven quality of the German electrical sector. Behind it stands an extensive range of high quality products and services for the electrical trade. The goals of the initiative include sharpening brand awareness in the electrical and wholesale trade as well as among electrical planners and architects – because Brand values such as quality, reliability, performance, innovation, design, safety and service determine customer satisfaction and the success of a project.

ZVEH / ZVEI: - As a member and premium brand partner of the Bundesinnungsverbands der elektro- und informationstechnischen Handwerke (ZVEH) (German Electrical and IT Trade Association) and the Zentralverbands Elektrotechnikund Elektronikindustrie e.V. (ZVEI) (Central Association of the Electrical and Electronics Industry), Brumberg strengthens the interests of its partners.



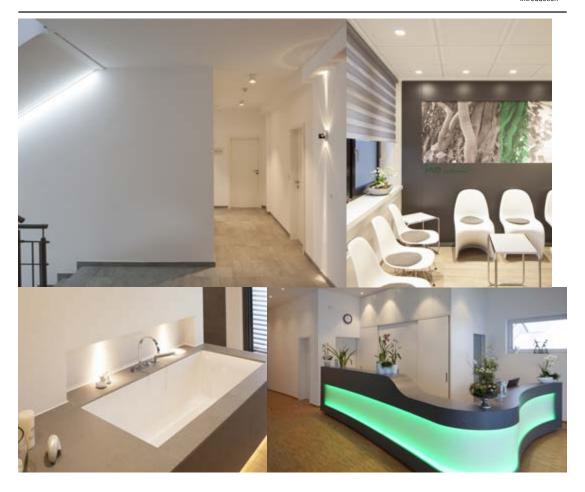






How could we present our products more vividly than with the photographs of the most beautiful reference objects in this catalog. For this purpose, we have already fallen back on numerous objects of our customers who have used our products. Many thanks for that!

If you have also recently put your object in the right light by using BRUMBERG products, be sure to send us your photographs! There are great prizes to be won!



It's so simple:

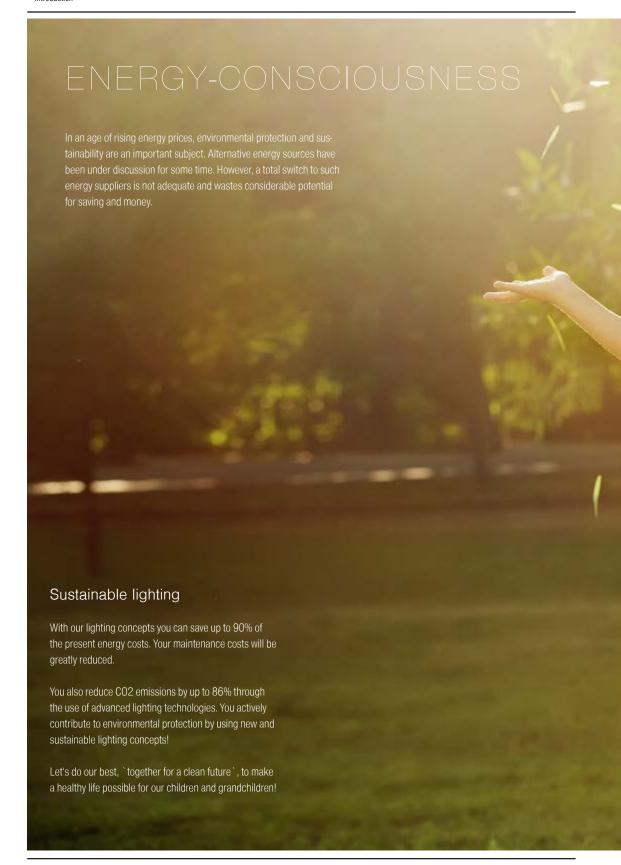
Send your photos with your contact details by e-mail or post to:

BRUMBERG Leuchten GmbH & Co. KG Hellefelder Str. 63 D-59846 Sundern (Germany) E-Mail: marketing@brumberg.com

The three most beautiful objects ever win a stylish Weber Grill. The winner will be chosen by an expert jury. Deadline is the 28th February 2017. The winners will be notified in writing.

Please do not forget to include your name and complete address. By sending us your photographs via e-mail or post you are consenting to a professional photo shoot of your object by our photographers. BRUMBERG is also entitled to include the photographs in its current catalogues and in online media without restriction (without including any information on the object). The judge's decision is final.

We look forward to as many entries as possible and to the beautiful pictures of your object equipped with BRUMBERG lighting!





recessed

ceiling TunableWhite / dim2warm

38

ceiling pivotable

46

ceiling rigid

134

ceiling downlights

160

ceiling light spots

174

ceiling LED panels

190



















ceiling | high-degree of protection indoor |

196

ceiling | stainless steel

230

ceiling low installation depth

242

ceiling cardanic

258

ceiling frameless

274

ceiling | loudspeaker

278















ENHANCED LIGHT OFFICE AND SHO White to





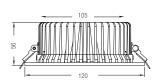
DYNAMIC WHITE LIGHT

WELL-BEING BY CHANGING COLOUR TEMPERATURES



12423074 LED recessed spot TunableWhite







Specification

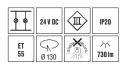
Incl. light source: LED, power: 7 W, material: aluminium / plastic satin Driver and control see pages 517 and 640.

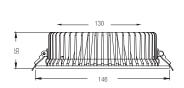
Article-No.	Colour of housing	Colour temperature
12423074	white	2700 K-6000 K

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

12424074 LED recessed spot TunableWhite







Specification

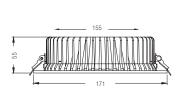
Incl. light source: LED, power: 11 W, material: aluminium / plastic satin Driver and control see pages 517 and 640.

Article-No.	Colour of housing	Colour temperature	
12424074	white	2700 K-6000 K	

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

24 V DC P20 ET 55 0 155 9 156 9 980 Im





Specification

Incl. light source: LED, power: $15\,W,$ material: aluminium / plastic satin Driver and control see pages $\,517$ and $\,640.$

Article-No.	Colour of housing	Colour temperature
12425074	white	2700 K-6000 K

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

12425074

dim 2 warm







ATMOSPHERIC DIMMING EFFE Warmer lighting roots by adjusting the continuation of the co

temperature







COSY ATMOSPHERE AT 2000K

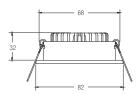
WARM WHITE IS NOW EVEN WARMER

Until now, it was only possible to reduce the brightness by dimming the LEDs. The light became weaker but not 'warmer'. With dim2warm, the colour temperature now also changes in the lower dimming range. Depending on the type of lamp installed, the temperature can be dimmed from warm white $2800\,\text{K}/3000\,\text{K}$ to very warm white $2000\,\text{K}$. dim2warm thereby brings the enchantment of the desired comfortable atmosphere into your living room – like candlelight or by a cosy fireplace.

dim2warm inserts see page 368.

12461... LED recessed spots dim2Warm







Base model LED dim2warm 350 mA

Incl. light source: 1x LED, power: 6 W, material: aluminium / clear glass, beam angle: 38° , when the lights are dimmed, the luminous colour changes from $2800\,\mathrm{K}$ to $2000\,\mathrm{K}$

Driver see page 629.

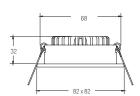
Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12461073	white	2800 K-2000 K
12461253	alu satin	2800 K-2000 K

12462... LED recessed spots dim2Warm





Article-No.

12462073

12462253

Colour of housing

alu satin



Colour temperature

2800 K - 2000 K

2800 K - 2000 K

Base model LED dim2warm 350 mA

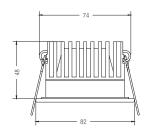
Incl. light source: 1x LED, power: 6 W, material: aluminium / clear glass, lbeam angle: 38°, when the lights are dimmed, the luminous colour changes from 2800 K to 2000 K

Driver see page 629.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

	350 mA		IP20	Ø 74	LDT-Data
ET 48	⊁\ 887 lm	X			



Article-No.

12116...



Colour temperature

Base model LED dim2warm 350 mA

Incl. light source: LED, power: 12 W, CRI > 90, material: aluminium / plastic clear, beam angle: 24°, when the lights are dimmed, the luminous colour changes from 3000 K to 2800 K

Driver see page 629.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

12116073	white	3000 K-2000 K	
12116253	alu satin	3000 K - 2000 K	

Colour of housing

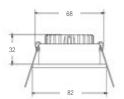


recessed

ceiling pivotable

12261... / 12361... / 33261... / 33361... / 34261... / 34361... LED recessed spots







Base model LED 350 mA

Incl. light source: 1x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	Flux
12261023	chrome	2700 K	710 lm
12261073	white	2700 K	710 lm
12261253	alu satin	2700 K	710 lm
12261633	champagne satin**	2700 K	710 lm
12261643	titanium satin	2700 K	710 lm
12361023	chrome	3000 K	750 lm
12361073	white	3000 K	750 lm
12361253	alu satin	3000 K	750 lm
12361633	champagne satin**	3000 K	750 lm
12361643	titanium satin	3000 K	750 lm

New colours (Housing and colour temperature.

LED set, including driver

Incl. light source: 1x LED, power: $7 \, W$, material: aluminium / clear glass, beam angle: 38° , incl. driver for $230 \, V$ -connection, not dimmable, dimensions of driver: $168 \, x \, w \, 35 \, x \, h \, 21 \, mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	Flux
33261023	chrome	2700 K 🔵	710 lm
33261073	white	2700 K 🔵	710 lm
33261253	alu satin	2700 K	710 lm
33261633	champagne satin**	2700 K	710 lm
33261643	titanium satin	2700 K	710 lm
33361023	chrome	3000 K	750 lm
33361073	white	3000 K	750 lm
33361253	alu satin	3000 K	750 lm
33361633	champagne satin**	3000 K	750 lm
33361633	titanium satin	3000 K	750 lm



*for the luminaire included in the set

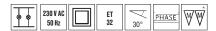
LED set, including driver, dimmable

Incl. light source: 1x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38° , incl. driver for 230 V-connection, dimmable, dimensions of driver: I $122 \times w 39 \times h 18 \text{ mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	Flux
34261023	chrome	2700 K	710 lm
34261073	white	2700 K 🔵	710 lm
34261253	alu satin	2700 K	710 lm
34261633	champagne satin**	2700 K	710 lm
34261643	titanium satin	2700 K	710 lm
34361023	chrome	3000 K	750 lm
34361073	white	3000 K	750 lm
34361253	alu satin	3000 K	750 lm
34361633	champagne satin**	3000 K	750 lm
34361643	titanium satin	3000 K	750 lm



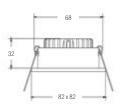
*for the luminaire included in the set

^{**}as shown in picture

³⁵⁰ mA ET 32 30°

12262... / 12362... / 33262... / 33362... / 34262... / 34362... LED recessed spots







Base model LED 350 mA

Incl. light source: 1x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	Flux
12262023	chrome	2700 K 🔵	710 lm
12262073	white	2700 K 🔵	710 lm
12262253	alu satin	2700 K	710 lm
12262633	champagne satin	2700 K 🔵	710 lm
12262643	titanium satin**	2700 K	710 lm
12362023	chrome	3000 K 🔵	750 lm
12362073	white	3000 K	750 lm
12362253	alu satin	3000 K	750 lm
12362633	champagne satin	3000 K	750 lm
12362643	titanium satin**	3000 K	750 lm

New colours (Housing and colour temperature.

*as shown in picture















LED set, including driver

Incl. light source: 1x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38° , incl. driver for 230 V-connection, not dimmable, dimensions of driver: I $68 \times w 35 \times h 21 \text{ mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	Flux
33262023	chrome	2700 K	710 lm
33262073	white	2700 K	710 lm
33262253	alu satin	2700 K	710 lm
33262633	champagne satin	2700 K	710 lm
33262643	titanium satin**	2700 K	710 lm
33362023	chrome	3000 K	750 lm
33362073	white	3000 K	750 lm
33362253	alu satin	3000 K	750 lm
33362633	champagne satin	3000 K	750 lm
33362643	titanium satin**	3000 K	750 lm



*for the luminaire included in the set

LED set, including driver, dimmable

Incl. light source: 1x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38° , incl. driver for 230 V-connection, dimmable, dimensions of driver: I $122 \times w 39 \times h 18 \text{ mm}$

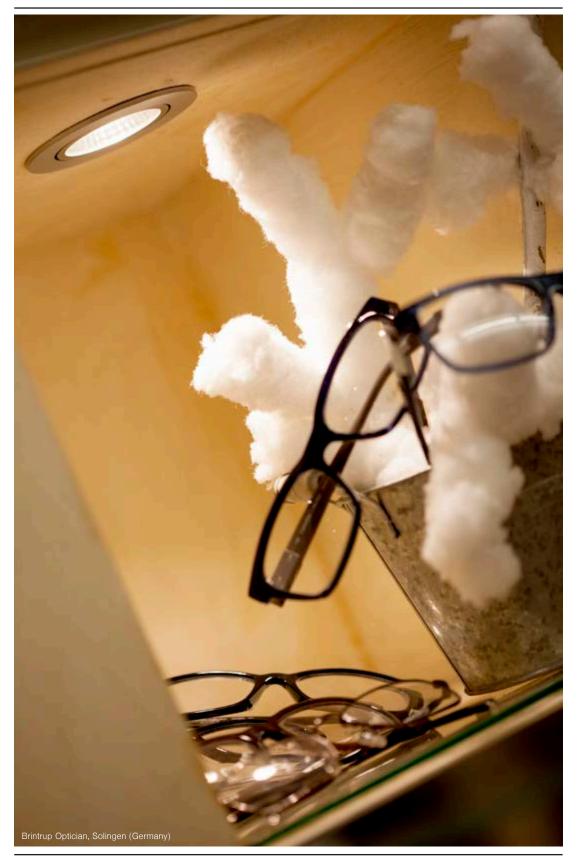
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	Flux
34262023	chrome	2700 K	710 lm
34262073	white	2700 K	710 lm
34262253	alu satin	2700 K	710 lm
34262633	champagne satin	2700 K	710 lm
34262643	titanium satin**	2700 K	710 lm
34362023	chrome	3000 K	750 lm
34362073	white	3000 K	750 lm
34362253	alu satin	3000 K	750 lm
34362633	champagne satin	3000 K	750 lm
34362643	titanium satin**	3000 K	750 lm

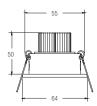


*for the luminaire included in the set



12231... / 33231... LED recessed spots







Base model LED 350 mA

incl. light source: LED, power: 3 W, beam angle: 38° material: aluminium / clear glass,

dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ire
12231073	white	2700 K	
12231253	alu satin	2700 K	



LED set, including driver

Light source: 1x LED, power: 3 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: L $68 \times B$ 35 x H 21 mm

Energy efficiency class: A++ to A

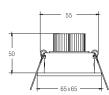
This luminaire contains incorporated and non-exchangeable LED light sources.

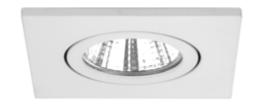
Article-no.	Colour of housing	Colour temperati	ıre
33231073	white	2700 K	
33231253	alu satin	2700 K	



12232... / 33232... LED recessed spots







Base model LED 350 mA

incl. light source: 1x LED, power: 3 W, beam angle: 38° material: aluminium / clear glass,

dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
12232073	white	2700 K	
12232253	alu satin	2700 K	



LED set, including driver

Light source: 1x LED, power: $3\,W$, beam angle: 38° material: aluminium / clear glass, incl. driver for $230\,V$ -connection, not dimmable, dimension driver: L $68\times B$ $35\times H$ $21\,$ mm

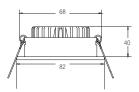
Energy efficiency class: A++ to A

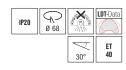
Article-no.	Colour of housing	Colour temperati	ıre
33232073	white	2700 K	
33232253	alu satin	2700 K	



12251... / 33251... LED recessed spots









New colours.

Base model LED 350 mA

Incl. light source: 1x LED, power: 3 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12251023	chrome	2700 K
12251073	white	2700 K
12251253	alu satin	2700 K
12251633	champagne satin	2700 K
12251643	titanium satin	2700 K
8— 350	mA 260 im	W/W/

LED set, including driver

Incl. light source: 1x LED, power: 3 W, material: aluminium / clear glass, beam angle: 38° , incl. driver for 230 V-connection, not dimmable, dimensions of driver: L $68 \times B$ $35 \times H$ 21 mm

Energy efficiency class: A++ to A

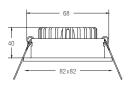
This luminaire contains incorporated and non-exchangeable LED light sources.

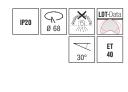
Article-No.	Colour of housing	Colour ter	mperature
33251023	chrome	2700 K	
33251073	white	2700 K	
33251253	alu satin	2700 K	
33251633	champagne satin	2700 K	
33251643	titanium satin	2700 K	
230	DV AC	WW*	*for the luminaire included in the set

260 lm

12252... / 33252... LED recessed spots









New colours.

Base model LED 350 mA

incl. light source: 1x LED, power: 3 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12252023	chrome	2700 K
12252073	white	2700 K
12252253	alu satin	2700 K
12252633	champagne satin	2700 K
12252643	titanium satin	2700 K
8— 350	mA 260 lm	W/W/

LED set, including driver

incl. light source: 1x LED, power: $3\,W$, material: aluminium / clear glass, beam angle: 38° , incl. driver for $230\,V$ -connection, not dimmable, dimensions of driver: L $68\times B$ $35\times H$ $21\,$ mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
33252023	chrome	2700 K
33252073	white	2700 K
33252253	alu satin	2700 K
33252633	champagne satin	2700 K
33252643	titanium satin	2700 K



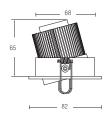




*for the lumin included in the set

12263253 / 33263253 LED recessed spots







Base model LED 350 mA

incl. light source: LED, power: ca. 6,6 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour tem	perature
12263253	alu satin	3000 K	

LED set, including driver

incl. light source: LED, power.. 6,6 W, beam angle: 38° material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, driver dimension: L $68 \times B 35 \times H 21$ mm, Installation into suspended ceilings by spring fixation

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33263253	alu satin	3000 K









12265253 / 33265253 LED recessed spots

Base model LED 350 mA

incl. light source: LED, power:. 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour ten	nperature
12265253	alu satin	3000 K	

LED set, including driver

incl. light source: LED, power:. 6,6 W, beam angle: 38° material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: L 68 x B 35 x H 21 mm, Installation into suspended ceilings by spring fixation

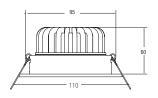
Energy efficiency class: A++ to A

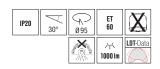
Article-no.	Colour of housing	Colour temperature
33265253	alu satin	3000 K



12291... / 33291... LED recessed spots







Base model LED 350 mA

Incl. light source: 1x LED, power: 14 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12291023	chrome	2700 K
12291073	white	2700 K
12291153	nickel satin	2700 K



LED set, including driver

Incl. light source: 1x LED, power: 14 W, beam angle: 38° material: aluminium / clear glass, incl. converter for 230 V-connection, not dimmable, dimensions of converter: I 118 x w 34 x h 19 mm

Energy efficiency class: A++ to A

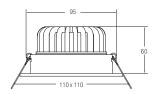
This luminaire contains incorporated and non-exchangeable LED light sources.

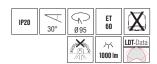
Article-No.	Colour of housing	Colour temperature
33291023	chrome	2700 K
33291073	white	2700 K
33291153	nickel satin	2700 K



12292... / 33292... LED recessed spots







Base model LED 350 mA

NEW

Incl. light source: 1x LED, power: 14 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	
12292023	chrome	2700 K	
12292073	white	2700 K	
12292153	nickel satin	2700 K	



LED set, including converter

Incl. light source: 1x LED, power: 14 W, beam angle: 38° material: aluminium / clear glass, incl. converter for 230 V-connection, not dimmable, dimensions of converter: I 115 x w 34 x h 19 mm

Energy efficiency class: A++ to A

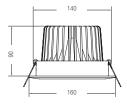
Article-No.	Colour of housing	Colour temperature
33292023	chrome	2700 K
33292073	white	2700 K
33292153	nickel satin	2700 K





12281073 LED recessed spots







Base model LED 700 mA

Incl. light source: 1x LED, power: 24 W, beam angle: 38° material: aluminium / clear glass

Driver see page 634.

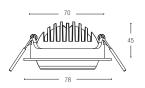
Energy efficiency class: A++ to A

Article-No.	Colour of housing	Colour temperature	
12281073	white	2700 K	



12348... LED recessed spots





E	350 mA	IP20	ET 45	35°
	Ø 70	<u>米</u> 540 lm	LDT-Data	Plus

Specification

Incl. light source: 1x LED, power: 8 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 628.

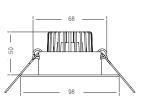
Energy efficiency class: A++ to A

This luminaire contains built-in LED lamps. The lamps cannot be exchanged in the luminaire.

Article-No.	Colour of housing	Colour temperature
12348073	white	2700 K
12348083	black	2700 K

13016... LED recessed spots







Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38° material: brass /aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ bis A

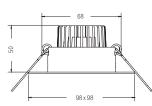
This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand.

Article-No.	Colour of housing	Colour temperature
13016023	chrome	2700 K
13016033	chrome satin	2700 K

13017... LED recessed spots







Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38° , material: brass / aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

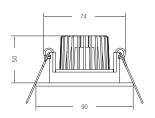
Modular construction: further light colors and power outputs are available on demand.

Article-No.	Colour of housing	Colour temperature
13017023	chrome	2700 K
13017033	chrome satin	2700 K

13253...

LED recessed spots







Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38° , material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand.

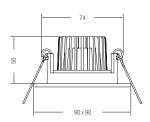
Article-No.	Colour of housing	Colour temperature
13253073	white	2700 K
13253153	nickel satin	2700 K

2700 K

13253683 silver

13255... LED recessed spots







Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38° , material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand.

Article-No.	Colour of housing	Colour temperature
13255073	white	2700 K
13255153	nickel satin	2700 K

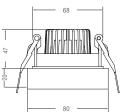
13255683 silver

2700 K

13026173 LED recessed spots



Design by Lounge Design Idea: Michael Ruschmann





Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 628.

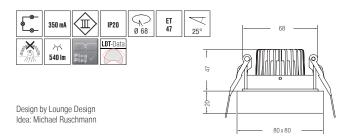
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand.

Article-No. Colour of housing Colour temperature 13026173 textured white 2700K

13027173 LED recessed spots





Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

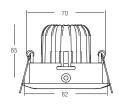
Modular construction: further light colors and power outputs are available on demand.

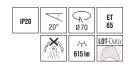
Article-No. Colour of housing Colour temperature 13027173 textured white

2700K

12345173 / 33345173 LED recessed spots







Base model LED 700 mA

Incl. light source: LED, power: about 7 W, beam angle: 38° material: aluminium / clear glass

Driver see page 635.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12345173	textured white	3000 K



LED set, including driver

Incl. light source: LED, power: about 7 W, material: aluminium / clear glass, incl. converter for 230 V-connection, not dimmable, beam angle: 38° dimensions of converter: $168 \times w \cdot 35 \times h \cdot 21 \text{ mm}$

Energy efficiency class: A++ to A

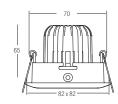
This luminaire contains incorporated and non-exchangeable LED light sources.

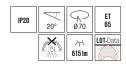
Article-No.	Colour of housing	Colour temperature	
33345173	textured white	3000 K	



12346173 / 33346173 LED recessed spots







Base model LED 700 mA

Incl. light source: LED, power: about 7 W, beam angle: 38° material: aluminium / clear glass

Driver see page 635.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12346173	textured white	3000 K



LED set, including converter

Incl. light source: 1 x LED, power: 7 W, beam angle: 38° material: aluminium / clear glass, incl. converter for 230 V-connection, not dimmable, dimensions of converter: 168 x w 35 x h 21mm

Energy efficiency class: A++ to A

Article-No.	Colour of housing	Colour temperature	
33346173	textured white	3000 K	



12405073 / 33405073 LED recessed spots

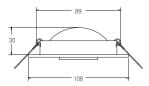












Base model LED 350 mA

Incl. light source: 1x LED, power: 5,5 W, beam angle: 38°, material: aluminium,

Head of luminaire adjustable independently from axis. Decentric ring shape.

Dimmable driver see page 629.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12405073	white	3000 K

LED set, including driver

Incl. light source: 1x LED, power: 5,5 W, beam angle: 38°, material: aluminium, incl. driver for 230 V-connection, not dimmable,

dimension driver: I $68 \, x \, w \, 35 \, x \, h \, 21 \, mm$

Head of luminaire adjustable independently from axis. Decentric ring shape.

Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature
33405073	white	3000 K

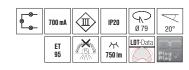




12402073 LED recessed spots







Specification

Incl. light source: LED, material: aluminium / plastic

driver see page 634.

Energy efficiency class: A++ bis A

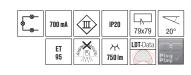
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of housing power Colourtemperature 12402073 10 W white 3000 K

12404073 LED recessed spots







Specification

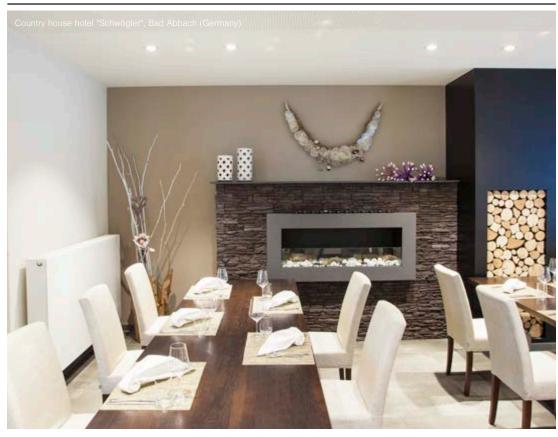
Incl. light source: LED, material: aluminium / plastic

driver see page 634.

BRUMBERG[®]

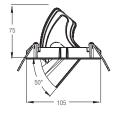
Energy efficiency class: A++ bis A

Article-no.	Colour of housing	power	Colourtemperature
12404073	white	10 W	3000 K



12401073 LED recessed spots







Specification

Incl. light source: LED, beam angle: 38° , material: aluminium/plastic

driver see page 628.

Energy efficiency class: A++ bis A

Article-no.	Colour of housing	power	Colourtemperature
12401073	white	15 W	3000 K

12069553

LED recessed spots





Specification

incl. light source: LED, power 6,6 W, beam angle: 20°, material: aluminium / clear glass

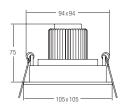
driver see page 628.

Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature	
12069553	black / white	3000 K	

12098553 LED recessed spots







Specification

 $\label{light} \mbox{Light source: LED, power: 6,6 W, beam angle: 38°, } \mbox{material: aluminium / clear glass}$

driver see page 628.

Energy efficiency class: A++ bis A

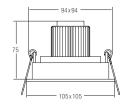
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colourtemperature	
12098553	black / white	2700 K	

Modular construction: further light colors and power outputs are available on demand.

12099553 LED recesse







Specification

Light source: LED, power 6,6 W, beam angle: 38° material: aluminium / clear glass

driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colourtemperature
12099553	black / white	2700 K

Modular construction: further light colors and power outputs are available on demand.

SL610...

LED-recessed spot













50





Specification

incl. light source: LED, system power: 9W, beam angle: 40°, CRI: >80, material: aluminium / polycarbonate, colour of housing: textured white,

driver see page 634.

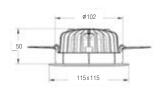
Energy efficiency class: A++ to A

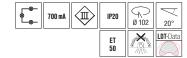
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Flux	Colour temperature	Ambient colouring
SL610WW4	640 lm	3000 K	without
SL610NW4	700 lm	4000 K	without

SL630... LED-recessed spot







Specification

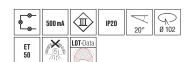
incl. light source: LED, system power: 9 W, beam angle: 40°, CRI: >80, material: aluminium / polycarbonate, colour of housing: textured white,

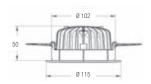
driver see page 634.

Energy efficiency class: A++ to A

Article-no.	Flux	Colour temperature	Ambient colouring
SL630WW4	640 lm	3000 K	without
SL630NW4	700 lm	4000K	without

SL700... LED-recessed spot







Specification

incl. light source: 1x High-Power LED, power: 20 W, CRI: >80 material: aluminium / polycarbonate, Colour: texture

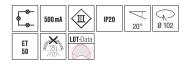
driver see page 633.

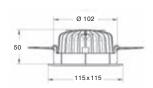
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Flux	Colour temperature	
SL700WW4	1150 lm	3000 K	
SL700NW4	1240 lm	4000 K	

SL720... LED-recessed spot







Specification

incl. light source: 1x High-Power LED, power: 20W, beam angle: 40° , CRI: >80 material: aluminium / polycarbonate, Colour: textured white,

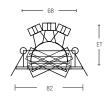
driver see page 633.

Energy efficiency class: A++ to A

Article-no.	Flux	Colour temperatu	re
SL720WW4	1150 lm	3000 K	
SL720NW4	1240 lm	3000 K	

0063... / 36143... / 12143... / 33143... Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-No.	Colour of housing
0063.07	white
0063.25	alu satin
0063.63	champagne satin
0063.64	titanium satin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium, high-voltage-clamp included

Energy efficiency class: A++ to E

Article-No.	Colour of housing
36143070	white
36143250	alu satin
36143630	champagne satin
36143640	titanium satin



Base model LED 350 mA

Incl. light source: 1x LED, power: $6.6\,\mathrm{W}$, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	
12143073	white	2700 K	
12143253	alu satin	2700 K	
12143633	champagne satin	2700 K	
12143643	titanium satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED Set, including driver

Incl. light source: 1x LED, power: $6.6\,W$, beam angle: 38° , material: aluminium / clear glass, incl. driver for $230\,V$ -connection, not dimmable, dimensions driver: $168\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	
33143073	white	2700 K	
33143253	alu satin	2700 K	
33143633	champagne satin	2700 K	
33143643	titanium satin	2700 K	



Modular construction: further light colors and power outputs are available on demand

0065... Recessed spots

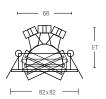














Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-No.	Colour of housing
0065.07	white
0065.25	alu satin
0065.63	champagne satin
0065.64	titanium satin











Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium, high-voltage-clamp and socket included

Energy efficiency class: A++ to E

Article-No.	Colour of housing
36144070	white
36144250	alu satin
36144630	champagne satin
36144640	titanium satin









Base model LED 350 mA

Incl. light source: 1x LED, power: 6.6 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12144073	white	2700 K
12144253	alu satin	2700 K
12144633	champagne satin	2700 K
121//6/2	titonium cotin	2700 /



Modular construction: further light colors and power outputs are available on demand

LED Set, including driver

Incl. light source: 1x LED, power: 6.6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimensions driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	
33144073	white	2700 K	
33144253	alu satin	2700 K	
33144633	champagne satin	2700 K	
33144643	titanium satin	2700 K	



Modular construction: further light colors and power outputs are available on demand

0064.00 / 361872250 / 12187253 / 33187253 Recessed spot







Base model Low voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 0064.00 black / alu



Base model high-voltage spot for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, material: aluminium, High-voltage-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing 36187250 black / alu



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporatead and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12187253	black / alu	2700 K



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38° material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33187253	black / alu	2700 K



Modular construction: further light colors and power outputs are available on demand.

0066.00 / 36188250 / 12188253 / 33188253 Recessed spot







Base model low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 0066.00 black / alu



Base model high-voltage spot for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, material: aluminium, High-voltage-clamp included.

Energy efficiency class: A++ to E

Article-no. Colour of housing 36188250 black / alu



Base model LED 350 mA

Incl. light source: 1 x LED, power: $6.6\,\mathrm{W}$, beam angle: 38° material: aluminium / clear glass,

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12188253	black / alu	2700 K



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38° , material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w 35 \times h 21$ mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

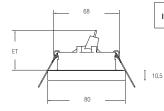
Article-no.	Colour of housing	Colour temperature
33188253	black / alu	2700 K



Modular construction: further light colors and power outputs are available on demand.

20031... / 36331... / 12331... / 33331... Recessed spot















Design by Lounge Design

Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium / steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
20031020	chrome
20031050	gold
20031150	nickel satin
20031170	textured white
20031180	textured black
20031670	textured graphite-grey









Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium / steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36331020	chrome
36331050	gold
36331150	nickel satin
36331170	textured white
36331180	textured black
36331670	textured graphite-grey







Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / steel / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
12331023	chrome	2700 K	
12331053	gold	2700 K	
12331153	nickel satin	2700 K	
12331173	textured white	2700 K	
12331183	textured black	2700 K	
12331673	textured graphite-grey	2700 K	



Modular construction: further light colors and power outputs are available on demand

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33331023	chrome	2700 K	
33331053	gold	2700 K	
33331153	nickel satin	2700 K	
33331173	textured white	2700 K	
33331183	textured black	2700 K	
33331673	textured graphite-grey	2700 K	

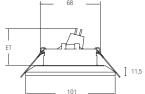


Modular construction: further light colors and power outputs are available on demand

20032... / 36332... / 12332... / 33332... Recessed spot



Design by Lounge Design





Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium / steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
20032020	chrome
20032050	gold
20032150	nickel satin
20032170	textured white
20032180	textured black
20032670	textured graphite-grey

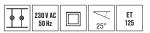


Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium / steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36332020	chrome
36332050	gold
36332150	nickel satin
36332170	textured white
36332180	textured black
36332670	textured graphite-grey



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: aluminium / steel / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
12332023	chrome	2700 K	
12332053	gold	2700 K	
12332153	nickel satin	2700 K	
12332173	textured white	2700 K	
12332183	texture black	2700 K	
12332673	texture graphite-grey	2700 K	



Modular construction: further light colors and power outputs are available on demand

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: aluminium / steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w \cdot 35 \times h \cdot 21$ mm

Energy efficiency class: A++ to A

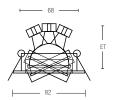
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33332023	chrome	2700 K
33332053	gold	2700 K
33332153	nickel satin	2700 K
33332173	textured white	2700 K
33332183	textured black	2700 K
33332673	textured graphite-grey	2700 K



2540.25 / 36185250 / 12185253 / 33185253 Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. $50\,\mathrm{W}$, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
25/0.25	alu catin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing
36185250 alu satin



LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12185253	alu satin	2700 K



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: $6,6\,W$, material: aluminium / clear glass, beam angle: 38° , incl. driver for $230\,V$ -connection, not dimmable, dimension driver: $1\,68\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A
This luminaire contains incorporated and
non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33185253	alu satin	2700 K



2542.25 / 36186250 / 12186253 / 33186253

















Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 2542.25 alu satin









Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing

36186250 alu satin









Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Colour Article-no. Colour of housing temperature 12186253 alu satin 2700 K



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, material: aluminium / clear glass beam angle: 38°, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Colour Article-no. Colour of housing temperature 33186253 alu satin 2700 K









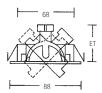


火

410 lm

1963... / 36141... / 12141... / 33141... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: cast, socket with electrical feeding 300 mm

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1963.02	chrome
1963.03	chrome satin
1963.05	gold
1963.07	white
1963.15	nickel satin











Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: cast, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing	
36141020	chrome	
36141030	chrome satin	
36141050	gold	
36141070	white	
36141150	nickel satin	











Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: cast / clear glass

Dimmable drivers see on page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
12141023	chrome	2700 K	
12141033	chrome satin	2700 K	
12141053	gold	2700 K	
12141073	white	2700 K	
12141153	nickel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: cast / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

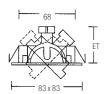
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33141023	chrome	2700 K
33141033	chrome satin	2700 K
33141053	gold	2700 K
33141073	white	2700 K
33141153	nickel satin	2700 K



1964... / 36142... / 12142... / 33142... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: cast, socket with electrical feeding 300 mm

Driver see on page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1964.02	chrome
1964.03	chrome satin
1964.05	gold
1964.07	white
1964.15	nickel satin











Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: cast, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36142020	chrome
36142030	chrome satin
36142050	gold
36142070	white
36142150	nickel satin











Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: cast / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
12142023	chrome	2700 K	
12142033	chrome satin	2700 K	
12142053	gold	2700 K	
12142073	white	2700 K	
12142153	nickel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

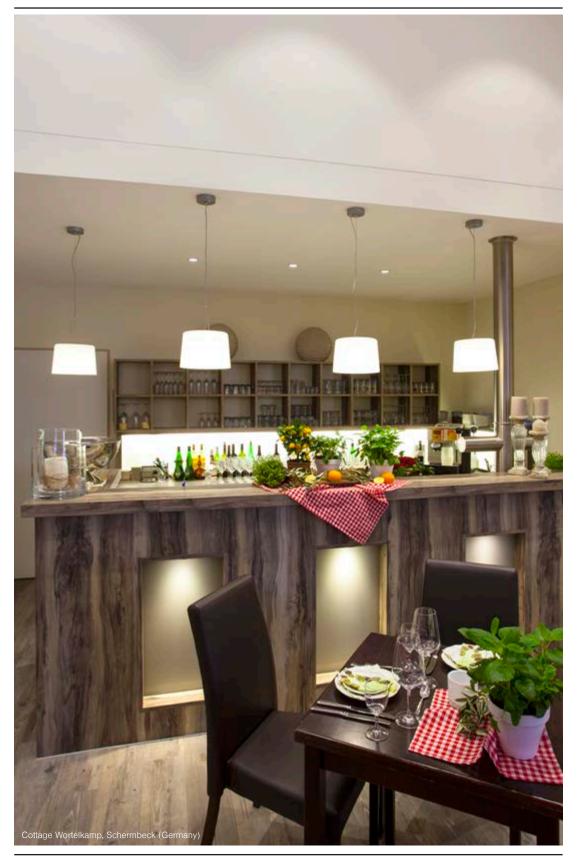
Incl. light source: 1x LED, power: $6,6\,W$, beam angle: 38° , material: cast / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

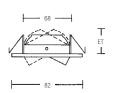
Article-no.	Colour of housing	Colour temperatu	ıre
33142023	chrome	2700 K	
33142033	chrome satin	2700 K	
33142053	gold	2700 K	
33142073	white	2700 K	
33142153	nickel satin	2700 K	





2169... / 36303... / 12303... / 33303... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: alu cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2169.02	chrome
2169.03	chrome satin
2169.05	gold
2169.07	white



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: alu cast, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36303020	chrome
36303030	chrome satin
36303050	gold
36303070	white



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: alu cast / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ire
12303023	chrome	2700 K	
12303033	chrome satin	2700 K	
12303053	gold	2700 K	
12303073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: $6,6\,W$, beam angle: 38° , material: alu cast / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
33303023	chrome	2700 K	
33303033	chrome satin	2700 K	
33303053	gold	2700 K	
33303073	white	2700 K	



2034... / 36180... / 12180... / 33180... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel / brass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2034.02	chrome
2034.03	chrome satin
2034.05	gold
2034.07	white
2034.08	black



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel / brass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36180020	chrome
36180030	chrome satin
36180050	gold
36180070	white
36180080	black



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: steel / brass / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	temperatu	re
12180023	chrome	2700 K	
12180033	chrome satin	2700 K	
12180053	gold	2700 K	
12180073	white	2700 K	
12180083	black	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: steel / brass / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w$ $35 \times h$ 21 mm

Energy efficiency class: A++ to A

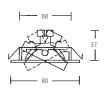
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
33180023	chrome	2700 K	_
33180033	chrome satin	2700 K	
33180053	gold	2700 K	
33180073	white	2700 K	
33180083	black	2700 K	



1925... / 36145... / 12145... / 33145... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel or stainless steel (applies for article-ending: 20, 22, 27)

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1925.02	chrome
1925.05	gold
1925.07	white
1925.15	nickel satin
1925.17	textured white
1925.20	stainless steel clear powdered
1925.22	stainless steel
1925.27	stainless steel white powdered



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel or stainless steel (applies for article-ending: 200, 220, 270), HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36145020	chrome
36145050	gold
36145070	white
36145150	nickel satin
36145170	textured white
36145200	stainless steel clear powdered
36145220	stainless steel
36145270	stainless steel white powdered



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel or stainless steel (applies for article-ending: 203, 223, 273) / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12145023	chrome	2700 K
12145053	gold	2700K
12145073	white	2700 K
12145153	nickel satin	2700K
12145173	textured white	2700K
12145203	stainless steel clear powdered	2700K
12145223	stainless steel	2700K
12145273	stainless steel white powdered	2700 K



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: $6,6\,W$, beam angle: 38° , material: steel or stainless steel (applies for article-ending: 203,223,273) / clear glass, incl. driver for $230\,V$ -connection, not dimmable, dimension driver: $1.68\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

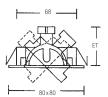
Article-no.	Colour of housing	Colour temperature
33145023	chrome	2700 K
33145053	gold	2700 K 🔍
33145073	white	2700 K 🔍
33145153	nickel satin	2700 K 🔍
33145173	textured white	2700 K 🔵
33145203	stainless steel clear powdered	2700 K 🔍
33145223	stainless steel	2700 K 🔵
33145273	stainless steel white powdered	2700 K





1936... / 36146... / 12146... / 33146... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1936.02	chrome
1936.05	gold
1936.07	white
1936.26	steel satin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36146020	chrome
36146050	gold
36146070	white
36146260	steel satin



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
12146023	chrome	2700 K	
12146053	gold	2700 K	
12146073	white	2700 K	
12146263	steel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

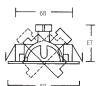
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33146023	chrome	2700 K	
33146053	gold	2700 K	
33146073	white	2700 K	
33146263	steel satin	2700 K	



2295... / 36304... / 12304... / 33304... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. $50\,\mathrm{W}$, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2295.00	brass
2295.02	chrome
2295.07	white
2295.15	nickel satin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36304000	brass
36304020	chrome
36304070	white
36304150	nickel satin



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: $38^\circ,\,$ material: steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	temperatu	re
12304003	brass	2700 K	
12304023	chrome	2700 K	
12304073	white	2700 K	
12304153	nickel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

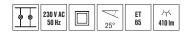
LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel, / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I $68 \times w$ $35 \times h$ 21 mm

Energy efficiency class: A++ to A

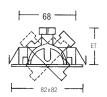
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33304003	brass	2700 K	
33304023	chrome	2700 K	
33304073	white	2700 K	
33304153	nickel satin	2700 K	



2296... / 36305... / 12305... / 33305... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2296.02	chrome
2296.07	white
2296.15	nickel satin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36305020	chrome
36305070	white
36305150	nickel satin



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
12305023	chrome	2700 K	
12305073	white	2700 K	
12305153	nickel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

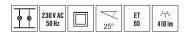
LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w 35 \times h 21 \, \text{mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33305023	chrome	2700 K
33305073	white	2700 K
33305153	nickel satin	2700 K



1996... / H1996... / 12182... / 33182... Recessed spot













Base model low-voltage

For low voltage lamp: $1x\ GX5,3\ QRCBC51,\ power:\ max.\ 50\ W,\ material:\ steel$

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1996.02	chrome
1996.07	white
1996.15	nickel satin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GZ10QPAR-CB51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
H1996.02	chrome
H1996.07	white
H1996.15	nickel satin



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: $38^\circ,\,$ material: steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
12182023	chrome	2700 K	
12182073	white	2700 K	
12182153	nickel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: $6,6\,W$, beam angle: 38° , material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $1\,68\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33182023	chrome	2700 K
33182073	white	2700 K
33182153	nickel eatin	2700 K



2000... / 36181... / 12181... / 33181... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel / brass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2000.00	brass
2000.02	chrome
2000.03	chrome satin
2000.07	white



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel / brass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36181000	brass
36181020	chrome
36181030	chrome satin
36181070	white



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: steel / brass / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
12181003	brass	2700 K	
12181023	chrome	2700 K	
12181033	chrome satin	2700 K	
12181073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

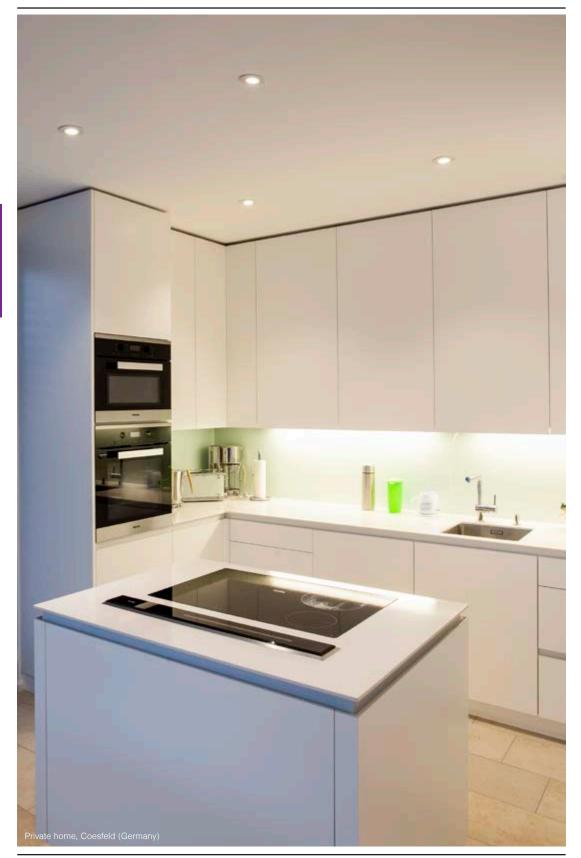
Incl. light source: 1x LED, power: $6.6\,W$, beam angle: 38° , material: steel / brass / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168\,x\,w\,35\,x\,h\,21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33181003	brass	2700 K	
33181023	chrome	2700 K	
33181033	chrome satin	2700 K	
33181073	white	2700 K	





24002... / 36189... / 12189... / 33189... Recessed spot

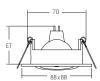














Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: cast aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
24002020	chrome
24002070	white
24002150	nickel satin













Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: cast aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36189020	chrome
36189070	white
36189150	nickel satin











Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: cast aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
12189023	chrome	2700 K	
12189073	white	2700 K	
12189153	nickel satin	2700 K	















Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: cast aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33189023	chrome	2700 K
33189073	white	2700 K
33189153	nickel satin	2700 K



2538.25 / 36192250 / 12192253 / 33192253 Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. $50\,\mathrm{W}$, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 2538.25 alu satin



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing
36192250 alu satin



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12102253	alu catin	2700 K



 $\label{lem:modular construction: further light colors and power outputs are available on demand. \\$

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w 35 \times h 21$ mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	9
33192253	alu satin	2700 K	



2186.25 / 36190250 / 12190253 / 33190253



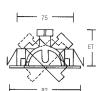














Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2186.25	alu catin













Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing 36190250 alu satin













Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	Э
10100050	alu aatin	27001/	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33100253	alu catin	2700 K



2110... / 12326... / 33326... Recessed spot







Base model low-voltage, HV, LED 12V DC, LED 350 mA and LED 700 mA

Power: max. 50 W. material: aluminium. without socket. for low-voltage-and-high-voltage lamps a separate clamp has to be ordered

Article-no.	Colour of housing
2110.02	chrome
2110.05	gold
2110.07	white
2110.09	noble chrome
2110.15	nickel satin

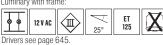
clamp for LV

Separate low voltage clamp

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W

Energy efficiency class: A to C Art.-No. 5387

Luminary with frame:



clamp for HV

Separate high voltage clamp

For high voltage lamp: GU10 QPAR51, power: max. 50 W

Energy efficiency class: A++ to E Art.-No. 5397

Luminary with frame:



clamp for LED 12V DC

Separate LED clamp

For LED light source: R3704..(see page 374) power: 4,3 W

Energy efficiency class: A++ to A Art.-No. 5399



clamp for LED 700 mA

Separate LED clamp

For LED light source: R3701... (see page 375) power: 6,7W

Energy efficiency class: A++ to A

Art.-No. 5398

Luminary with frame:





Base model LED 350 mA incl. lamp

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources. Calaumof

Article-no.	housing	temperatu	re
12326023	chrome	2700 K	
12326053	gold	2700 K	
12326073	white	2700 K	
12326093	noble chrome	2700 K	
12326153	nickel satin	2700 K	



clamp for LED 350 mA

Separate LED clamp

For LED-Set: 12326... and 33326... and R3705.. (see page 374)

Energy efficiency class: A++ to A with frame

Art.-No. 5388 Luminary









LED-Set, incl. driver and lamp

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
33326023	chrome	2700 K	
33326053	gold	2700 K	
33326073	white	2700 K	
33326093	noble chrome	2700 K	
33326153	nickel satin	2700 K	



Dimmable drivers for 12326...see page 629.

2111... / 12327... / 33327... Recessed spot















Base model low-voltage, HV, LED 12V DC, LED 350 mA and LED 700 mA

Power: max. 50 W. material: aluminium. without socket. for low-voltage-and-high-voltage lamps please orde suitable clamp separately

Article-no.	Colour of housing
2111.02	chrome
2111.05	gold
2111.07	white
2111.09	noble chrome
2111.15	nickel satin

clamp for HV

Separate high voltage clamp For high voltage lamp:

GU10 QPAR51, power: max. 50 W

Energy efficiency class: A++ to E

Luminary with frame:





clamp for LED 12V DC

Separate LED clamp

For LED light source: R3704..(see page 374) power: 4,3W

Energy efficiency class: A++ to A Art.-No. 5399

Luminary with frame:







clamp for LV

Separate low voltage clamp For low voltage lamp:

1x GX5,3 QRCBC51, power: max. 50 W

Energy efficiency class: A to C Art.-No. 5387





















clamp for LED 700 mA

Separate LED clamp For LED light source:

R3701... (see page 375) power: 6,7W

Energy efficiency class: A++ to A Art.-No. 5398

Luminary with frame:











Base model LED 350 mA incl. lamp

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
12327023	chrome	2700 K	
12327053	gold	2700 K	
12327073	white	2700 K	
12327093	noble chrome	2700 K	
12327153	nickel satin	2700 K	



LED-Set, incl. driver and lamp

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass,

incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33327023	chrome	2700 K	
33327053	gold	2700 K	
33327073	white	2700 K	
33327093	noble chrome	2700 K	
33327153	nickel satin	2700 K	



Dimmable drivers for 12327...see page 629.

Modular construction: further light colors and power outputs are available on demand.

clamp for LED 350 mA

Separate LED clamp

For LED-Set: 12327... and 33327... and R3705 (see page 374)

Energy efficiency class: A++ to A

Art.-No. 5388









2067... / H2067... / 12197... / 33197... Recessed spot











Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: brass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2067.00	brass
2067.01	brass satin
2067.02	chrome
2067.03	chrome satin
2067.04	bronze
2067.07	white









Base model high-voltage spot for retrofit

For high voltage lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: brass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
H2067.00	brass
H2067.01	brass satin
H2067.02	chrome
H2067.03	chrome satin
H2067.04	bronze
H2067.07	white









Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: brass / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	temperature	
12197003	brass	2700 K	
12197013	brass satin	2700 K	
12197023	chrome	2700 K	
12197033	chrome satin	2700 K	
12197043	bronze	2700 K	
12197073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: brass / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ire
33197003	brass	2700 K	
33197013	brass satin	2700 K	
33197023	chrome	2700 K	
33197033	chrome satin	2700 K	
33197043	bronze	2700 K	
33197073	white	2700 K	



1053... / 36198... / 12198... / 33198... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: brass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1053.00	brass
1053.02	chrome
1053.03	chrome satin
1053.04	bronze
1053.07	white



Base model high-voltage spot for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: brass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36198000	brass
36198020	chrome
36198030	chrome satin
36198040	bronze
36198070	white



Base model LED 350 mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: brass / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
12198003	brass	2700 K	
12198023	chrome	2700 K	
12198033	chrome satin	2700 K	
12198043	bronze	2700 K	
12198073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: brass / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I $68 \times w$ 35 \times h 21 mm

Energy efficiency class: A++ to A

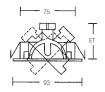
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33198003	brass	2700 K
33198023	chrome	2700 K
33198033	chrome satin	2700 K
33198043	bronze	2700 K
33198073	white	2700 K



0069.25 / 33309253 / 36309250 Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
0069.25	alu satin

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230 V connection, not dimmable, dimension

incl. driver for 230 V-connection, not dimmable, dimension driver: I $68\,\text{x}$ w $35\,\text{x}$ h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33309253	alu satin	2700 K
230	V AC OHZ	ET

Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing			
36309250 alu satin				
230 50	V AC ET 125			

0070.25 / 33310253 / 36310250 Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing
0070.25 alu satin



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: aluminium / clear glass,

incl. driver for $230\,V\text{-}connection,$ not dimmable, dimension driver: I $68\,x\,w\,35\,x\,h\,21\,\text{mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33310253	alu satin	2700 K



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPARC51, power: max. 50 W, material: aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing
36310250 alu satin



2012.07 / 33312073 / 36312070 Recessed spots













Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2012.07	white



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension

incl. driver for 230 V-connection, not dimmable, dimension driver: I $68 \times w 35 \times h 21 \text{ mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33312073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36312070	white







2050... / 33313... / 36313... Recessed spots



Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2050.02	chrome
2050.03	chrome satin
2050.04	bronze
2050.07	white



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: steel / clear glass,

incl. driver for $230\,V$ -connection, not dimmable, dimension driver: I $68\,x$ w $35\,x$ h $21\,mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33313023	chrome	2700 K
33313033	chrome satin	2700 K
33313043	bronze	2700 K
33313073	white	2700 K

00010070 William			
230 V AC 50 Hz	10°	ET 65	₩ 410 lm

Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPARC51, power: max. 50 W, material: steel, HV-clamp included

Article-no.	Colour of housing
36313020	chrome
36313030	chrome satin
36313040	bronze
36313070	white

* *	230 V AC 50 Hz	25°	ET 125

2052... / 33314... / 36314... Recessed spots









Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Col	Colour of housing		
2052.00	bra	brass		
2052.02	chr	chrome		
2052.03	chr	chrome satin		
2052.07	whi	te		
	12 V		25°	E1

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: 168 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ire
33314003	brass	2700 K	
33314023	chrome	2700 K	
33314033	chrome satin	2700 K	
33314073	white	2700 K	
230 50	V AC 15°	ET 65 410	ر ا اm

Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing	
36314000	brass	
36314020	chrome	
36314030	chrome satin	
36314070	white	
230	IV AC DHz 25°	ET 125

2093... / 33339... / 2351... Recessed spots













edge vaulted

Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2093.02	chrome
2093.03	chrome satin
2093.05	gold
2093.07	white



LED-Set, including driver

Incl. light source: LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass,

incl. driver for 230 V-connection, not dimmable, dimension driver: I $58 \, x \, w \, 35 \, x \, h \, 21 \, mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	ıre
33339023	chrome	2700 K	
33339033	chrome satin	2700 K	
33339053	gold	2700 K	
33339073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: aluminium, HV-clamp included

Article-no.	Colour of housing
2351.02	chrome
2351.03	chrome satin
2351.05	gold
2351.07	white





20012... / 33307... / 36307... Recessed spots



limitation of glare by inside-mounted bulb





Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
20012020	chrome
20012070	white
20012250	alu satin



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: aluminium / clear glass,

incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
33307023	chrome	2700 K	
33307073	white	2700 K	
33307253	alu satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: aluminium, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36307020	chrome
36307070	white
36307250	alu satin

*	230 V AC 50 Hz	25°	ET 150

20013... / 33308... / 36308... Recessed spots

IP20









limitation of glare by inside-mounted bulb





Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
20013020	chrome
20013070	white
20013250	alu satin



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass,

incl. driver for 230 V-connection, not dimmable, dimension driver: I 58 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperat	ure
33308023	chrome	2700 K	
33308073	white	2700 K	
33308253	alusatin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: aluminium, HV-clamp included

Article-no.	Colour of housing
36308020	chrome
36308070	white
36308250	alu satin



1938... / 33315... / 36315... Recessed spots







inside-mounted bulb



Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Artio	cle-no.	Colour of housing
193	38.02	chrome
193	38.05	gold
193	38.07	white
193	38.15	nickel satin



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

are available on demand.

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
33315023	chrome	2700 K	_
33315053	gold	2700 K	
33315073	white	2700 K	
33315153	nickel satin	2700 K	
			_

230 V AC 50 Hz	20°	ET 70	₩ 410 lm
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Modular construction: further light colors and power outputs

Base model HV for retrofit

For lamp: 1x GU10 QPAR51. power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36315020	chrome
36315050	gold
36315070	white
36315150	nickel satin



1939... / 33315... / 36315... Recessed spots







limitation of glare by inside-mounted bulb

Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A++ to E

Article-no.	Colour of housing	
1939.02	chrome	
1939.05	gold	
1939.07	white	
1939.15	nickel satin	
		_

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel / clear glass,

incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperati	ure
33316023	chrome	2700 K	
33316053	gold	2700 K	
33316073	white	2700 K	
33316153	nickel satin	2700 K	
230	V AC UHZ 20°	ET 70 41	∀ 0 Im

Modular construction: further light colors and power outputs are available on demand

Base model HV for retrofit

For lamp: 1x GU10 QPARC51, power: max. 50 W, material: steel, HV-clamp included

Article-no.	Colour of housing	
36316020	chrome	_
36316050	gold	
36316070	white	
36316150	nickel satin	
230	V AC DHZ 25°	ET 125

1998... / 33318... / 36318... Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing	
1998.02	chrome	
1998.07	white	
1998.15	nickel satin	



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: steel / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	е
33318023	chrome	2700 K	
33318073	white	2700 K	
33318153	nickel satin	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36318020	chrome
36318070	white
36318150	nickel satin







1996.51 / 33182513 / 36182510 Recessed spots



Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1996.51	gold-white-gold



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel / clear glass,

incl. driver for 230 V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	temperatu	re
33182513	gold-white-gold	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

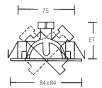
For high voltage lamp: 1x GU10 QPARC51, power: max. 50 W, material: steel, HV-clamp included

Article-no.	Colour of housing
36182510	gold-white-gold



2204... / 33319... / 36319... Recessed spots













edge vaulted

Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2204.02	chrome
2204.03	chrome satin
2204.05	gold
2204.07	white



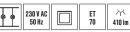
LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: cast / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w 35 \times h 21$ mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
33319023	chrome	2700 K	
33319033	chrome satin	2700 K	
33319053	gold	2700 K	
33319073	white	2700 K	



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: cast, HV-clamp included

Article-no.	Colour of housing
36319020	chrome
36319030	chrome satin
36319030	gold
36319070	white



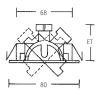






1937.00 / 33321003 / 36321000 Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: brass / steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1937.00	brass



LED -Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: brass / steel / clear glass, incl. driver for 230 V- connection, not dimmable, dimension driver: $168 \times w 35 \times h 21 \text{ mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
33321003	brass	2700 K	0

Modular construction: further light colors and power outputs are available on demand.

410 lm

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: brass / steel, HV-clamp included

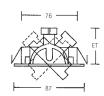
Energy efficiency class: A++ to E

36321000	hrace
Article-no.	Colour of housing

230 V AC 50 Hz	25°	ET 125

1009.00 / 33340003 / 36340000 Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: brass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of nousing
1009.00	brass

12 V 25° ET 55 Sa66 MC 5

LED-Set, including driver

Incl. light source: 1x LED, power: $6,6\,\mathrm{W}$, beam angle: 38° , material: brass / clear glass, incl. driver for $230\,\mathrm{V}$ -connection, not dimmable, dimension

incl. driver for 230 V-connection, not dimmable, dimension driver: I $68 \times w 35 \times h 21 \text{ mm}$

Energy efficiency class: A++ to A

Article-no.

This luminaire contains incorporated and non-exchangeable LED light sources.

Colour of housing

33340003	brass		2700	К
230 50	V AC	25°	ET 65	☆ ∖ 410 lm

Modular construction: further light colors and power outputs are available on demand.

Colour

temperature

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPARC51, power: max. 50 W, material: brass, HV-clamp included

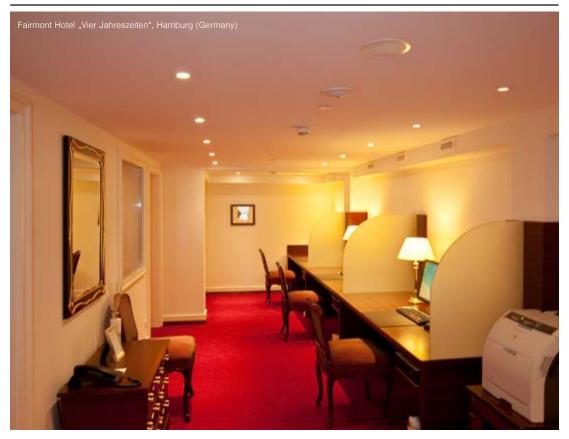
Energy efficiency class: A++ to E

Article-no. Colour of housing
36340000 brass









1920... / 33343... / 36343... Recessed spots







33343...: Modular construction: further light colors and power outputs are available on demand.

Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 35W, material: steel / glass partly satined

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1920.02	chrome
1920.03	chrome satin
1920.07	white
Article-no.	Specification
5760.00	renlacement alass

replacement glass

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: steel / glass partly satined / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: 168 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperatu	re
33343023	chrome	2700 K	
33343033	chrome satin	2700 K	
33343073	white	2700 K	
Article-no.	Specification		
5760.00	replacement glass		

230 V AC 410 lm

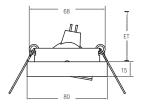
Base model HV for retrofit

For lamp: 1x GU10 QPAR51, power: max. 35W, material: steel / glass partly satined, HV-clamp included

Article-no.	Colour of housing
36343020	chrome
36343030	chrome satin
36343070	white
Article-no.	Specification
5760.00	replacement glass

20023... / 33341... / 36341... Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing	
20023020	chrome	
20023070	white	
20023150	nickel satin	



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: aluminium cast / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w 35 \times h 21$ mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.		Colour of housing	Colour temperature	Colour temperature	
	33341023	chrome	2700 K		
	33341073	white	2700 K		
	33341153	nickel satin	2700 K		



Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium cast, HV-clamp included

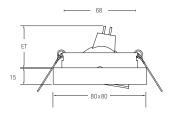
Energy efficiency class: A++ to E

Article-no.	Colour of housing
36341020	chrome
36341070	white
36341150	nickel satin



20024... / 33342... / 36342... Recessed spots







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing	
20024020	chrome	
20024070	white	
20024150	nickel satin	



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium cast / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: 168 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
33342023	chrome	2700 K	
33342073	white	2700K	
33342153	nickel satin	2700 K	



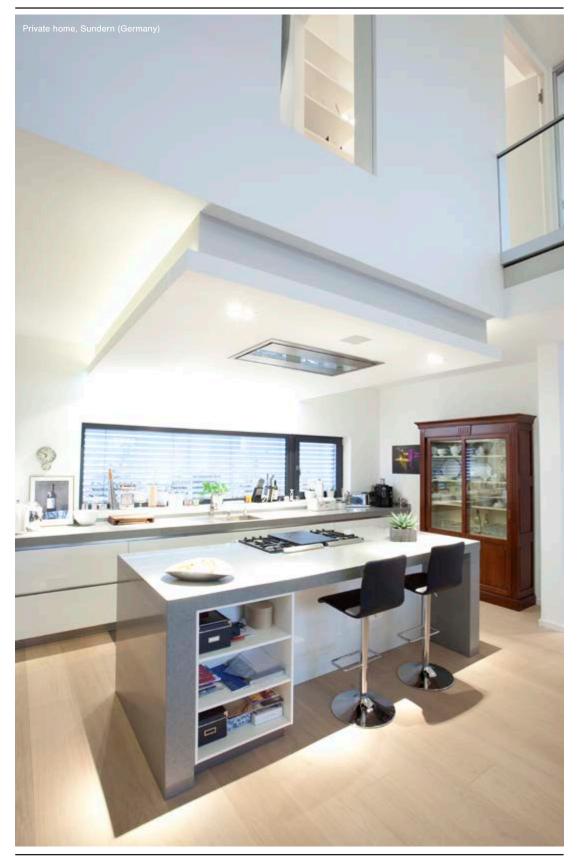
Modular construction: further light colors and power outputs are available on demand.

Base model HV for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: aluminium cast, HV-clamp included

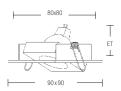
Colour of housing
chrome
white
nickel satin

T	230 V AC		ET
*	50 Hz	25°	125



512811 / 33323253 recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
512811	alu satin



LED-Set, including driver

Incl. light source: LED, power: ca. 6,6W, beam angle: 38° , material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $168 \times w \ 35 \times h \ 21$ mm

Energy efficiency class: A++ to A

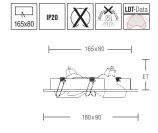
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33323253	alu satin	2700 K 🔵



Modular construction: further light colors and power outputs are available on demand.

512812 / 33324253 recessed spot





Base model low-voltage

For low voltage lamp: 2x GX5,3 QRCBC51, power: 2x max. 50 W, material: aluminium

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
512812	alu satin



LED-Set, including driver

Incl. light source: 2x LED, power: 2x ca. 6,6W, beam angle: 38° , material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: $1145 \times w 50 \times h 22$ mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
33324253	alu satin	2700 K 🔵



Modular construction: further light colors and power outputs are available on demand.



2218... / 36344... Recessed spots with squared LED deco-light

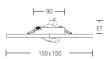








Delivery with LED-driver (protection class II, not dimmable). The transformer for low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1 -> HV / transformer / circuit 2 -> LED driver)





Base model low-voltage

For lamp: 1x GX5,3 QRCBC51, power: max. 35 W and LED-Platine, power: 2,4 W, material: aluminium / glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2218.25B	alu satin
2218.25W O	alu satin



Base model high-voltage for retrofit

For lamp: 1x GU10 QPAR51, power: max. 35 W and LED-Platine, power: 2,4 W material: aluminium / glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36344258	alu satin
36344255	alu satin



2219... / 36345... Recessed spots with radial LED deco-light













Delivery with LED-driver (protection class II, not dimmable). The transformer for low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1 -> HV / transformer / circuit 2 -> LED driver)





Base model low-voltage

For lamp: 1x GX5,3 QRCBC51, power: max. 35 W and LED-Platine, power: 2,4 W, material: aluminium / glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2219.25B •	alu satin
2219.25W	alu satin



Base model high-voltage for retrofit

For lamp: 1x GU10 QPAR51, power: max. 35 W and LED-Platine, power: 2,4 W material: aluminium / glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36345258	alu satin
36345255	alu satin



2220... / 36346...

Recessed spots with radial LED deco-light







Delivery with LED-driver (protection class II, not dimmable). The transformer for low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1 -> HV transformer / circuit 2 -> LED driver)

Base model low-voltage

For lamp: 1x GX5,3 QRCBC51, power: max. 35W and LED-Platine, power: 2,4W, material: aluminium / glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2220.25B	alu satin
2220.25WW O	alu satin

Base model HV for retrofit

For lamp: 1x GU10 QPAR51, power: max. 35W and LED-Platine, power: 2,4W material: aluminium / glass, HV-clamp included

Energy efficiency class: A++ to E

- 90 -

Article-no.		Colour of housing
36346258	•	alu satin
36346253		alu satin



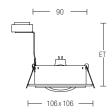


2221... / 36347...

Recessed spots with radial LED deco-light









Delivery with LED-driver (protection class II, not dimmable). The transformer for low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1 -> HV transformer / circuit 2 -> LED driver)

Base model low-voltage

For lamp: 1x GX5,3 QRCBC51, power: max. 35 W and LED-Platine, power: 2,4 W, material: aluminium / glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2221.25B	alu satin
2221 25WW 0	alu satin



Base model HV for retrofit

For lamp: 1x GU10 QPAR51, power: max. 35 W and LED-Platine, power: 2,4 W material: aluminium / glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
36347258	alu satin
36347253	alu satin



2225.../ 36348... Recessed spots with radial LED deco-light





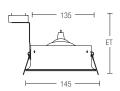








Delivery with LED-driver (protection class II, not dimmable). The transformer for low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1 -> HV transformer / circuit 2 -> LED driver)





Base model low-voltage

For lamp: 1x GX5,3 QRCBC51, power: max. 35 W and LED-Platine, power: 3,4 W, material: aluminium / glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 2225.25WW alu satin















Base model HV for retrofit

For lamp: 1x GU10 QPAR51, power: max. 35 W and LED-Platine, power: 3,4 W material: aluminium / glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of housing 36348253 alu satin







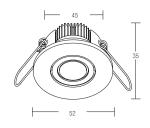


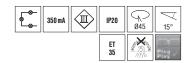




P3680NW LED recessed spot







Specification

Incl. light source: 1x LED, power: ca. 1 W, material: aluminium / plastic, incl. optical lense 38°

Installation into suspended ceilings by spring fixation

driver see page 628.

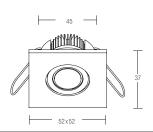
Energy efficiency class: A++ to A

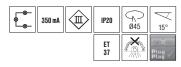
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
P3680NW	alu satin	4100K

P3681NW LED recessed spot







Specification

Incl. light source: 1x LED, power: ca. 1 W, material: aluminium / plastic, incl. optical lense 38°,

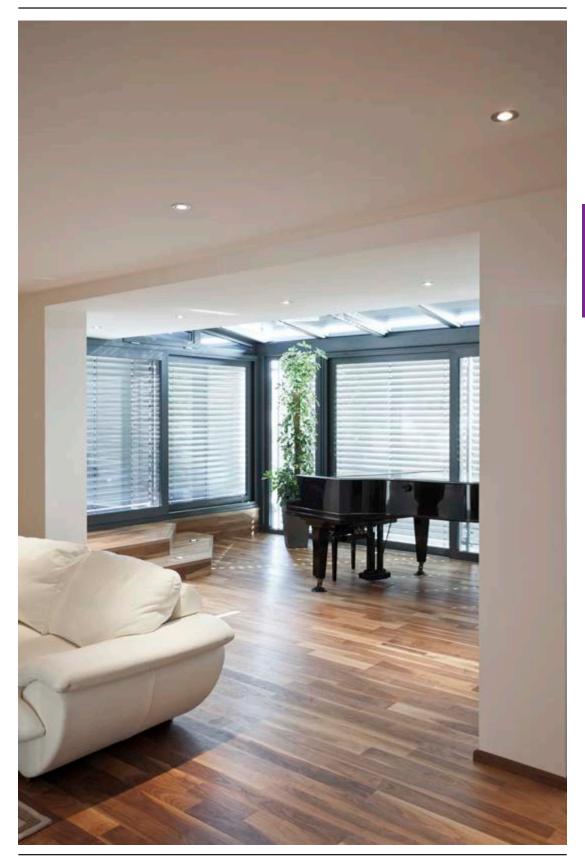
Installation into suspended ceilings by spring fixation

driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

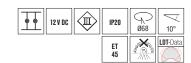
Article-no.	Colour of housing	Colour temperature
P3681NW	alu satin	4100K



R3004... LED recessed spots







Specification

Incl. light source: 1x LED, power: ca. 4,3W, material: steel / aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 644.

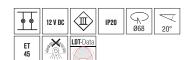
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperatur	e	Flux	Colour- rendering-index	Lense
R3004NW2	nickel satin	4100 K		290 lm	CRI > 80	25°
R3004NW4	nickel satin	4100 K		283 lm	CRI > 80	45°
R3004NW6	nickel satin	4100 K		279 lm	CRI > 80	60°
R3004W2	nickel satin	6500 K		314 lm	CRI > 75	25°
R3004W4	nickel satin	6500 K		300 lm	CRI > 75	45°
R3004W6	nickel satin	6500 K		291 lm	CRI > 75	60°
R3004WW2	nickel satin	3000 K		176 lm	CRI > 90	25°
R3004WW4	nickel satin	3000 K		172 lm	CRI > 90	45°
R3004WW6	nickel satin	3000 K		169 lm	CRI > 90	60°



R6304... LED recessed spots





82 x 82 -



Specification

Incl. light source: 1x LED, power: ca. 4,3W, material: aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 644.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperature	Flux	Colour- rendering-index	Lense
R6304NW2	alu satin	4100 K	290 lm	CRI > 80	25°
R6304NW4	alu satin	4100 K	283 lm	CRI > 80	45°
R6304NW6	alu satin	4100 K	279 lm	CRI > 80	60°
R6304W2	alu satin	6500 K	314 lm	CRI > 75	25°
R6304W4	alu satin	6500 K	300 lm	CRI > 75	45°
R6304W6	alu satin	6500 K	291 lm	CRI > 75	60°
R6304WW2	alu satin	3000 K	176 lm	CRI > 90	25°
R6304WW4	alu satin	3000 K	172 lm	CRI > 90	45°
R6304WW6	alu satin	3000 K	169 lm	CRI > 90	60°

R6304... LED recessed spots



Specification

Incl. light source: 1x LED, power: ca. 4,3W, material: aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 644.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperature	Flux	Colour- rendering-index	Lense
R6504NW2	alu satin	4100 K	290 lm	CRI > 80	25°
R6504NW4	alu satin	4100 K	283 lm	CRI > 80	45°
R6504NW6	alu satin	4100 K	279 lm	CRI > 80	60°
R6504W2	alu satin	6500 K	314 lm	CRI > 75	25°
R6504W4	alu satin	6500 K	300 lm	CRI > 75	45°
R6504W6	alu satin	6500 K	291 lm	CRI > 75	60°
R6504WW2	alu satin	3000 K	176 lm	CRI > 90	25°
R6504WW4	alu satin	3000 K	172 lm	CRI > 90	45°
R6504WW6	alu satin	3000 K	169 lm	CRI > 90	60°

R3005... LED recessed spots







Specification

Incl. light source: 1x LED, power: ca. $3.3\,\mathrm{W}$, material: steel / aluminium / plastic

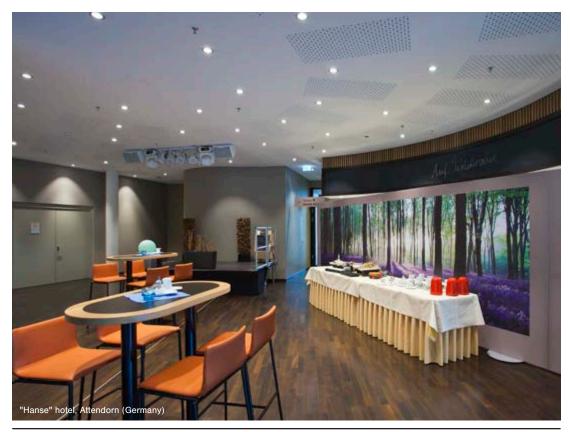
Installation into suspended ceilings by spring fixation.

driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperati	ure	Flux	Colour- rendering-index	Lense
R3005NW2	nickel satin	4100 K		290 lm	CRI > 80	25°
R3005NW4	nickel satin	4100 K		283 lm	CRI > 80	45°
R3005NW6	nickel satin	4100 K		279 lm	CRI > 80	60°
R3005W2	nickel satin	6500 K		314 lm	CRI > 75	25°
R3005W4	nickel satin	6500 K		300 lm	CRI > 75	45°
R3005W6	nickel satin	6500 K		291 lm	CRI > 75	60°
R3005WW2	nickel satin	3000 K		176 lm	CRI > 90	25°
R3005WW4	nickel satin	3000 K		172 lm	CRI > 90	45°
R3005WW6	nickel satin	3000 K		169 lm	CRI > 90	60°



R0063... LED recessed spots







Specification

Incl. light source: 1x LED, power: ca. 3,3 W, material: aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperature	e	Flux	Colour- rendering-index	Lense
R0063NW2	alu satin	4100 K		290 lm	CRI > 80	25°
R0063NW4	alu satin	4100 K		283 lm	CRI > 80	45°
R0063NW6	alu satin	4100 K		279 lm	CRI > 80	60°
R0063W2	alu satin	6500 K		314 lm	CRI > 75	25°
R0063W4	alu satin	6500 K		300 lm	CRI > 75	45°
R0063W6	alu satin	6500 K		291 lm	CRI > 75	60°
R0063WW2	alu satin	3000 K		176 lm	CRI > 90	25°
R0063WW4	alu satin	3000 K		172 lm	CRI > 90	45°
R0063WW6	alu satin	3000 K		169 lm	CRI > 90	60°

R0065... LED recessed spots







Specification

Incl. light source: 1x LED, power: ca. 3,3 W, material: aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperature	Flux	Colour- rendering-index	Lense
R0065NW2	alu satin	4100 K	290 lm	CRI > 80	25°
R0065NW4	alu satin	4100 K	283 lm	CRI > 80	45°
R0065NW6	alu satin	4100 K	279 lm	CRI > 80	60°
R0065W2	alu satin	6500 K	314 lm	CRI > 75	25°
R0065W4	alu satin	6500 K	300 lm	CRI > 75	45°
R0065W6	alu satin	6500 K	291 lm	CRI > 75	60°
R0065WW2	alu satin	3000 K	176 lm	CRI > 90	25°
R0065WW4	alu satin	3000 K	172 lm	CRI > 90	45°
R0065WW6	alu satin	3000 K	169 lm	CRI > 90	60°

R3001... LED recessed spots







Specification

Incl. light source: 3x LED, power: ca. 6,7 W, material: steel / aluminium / plastic

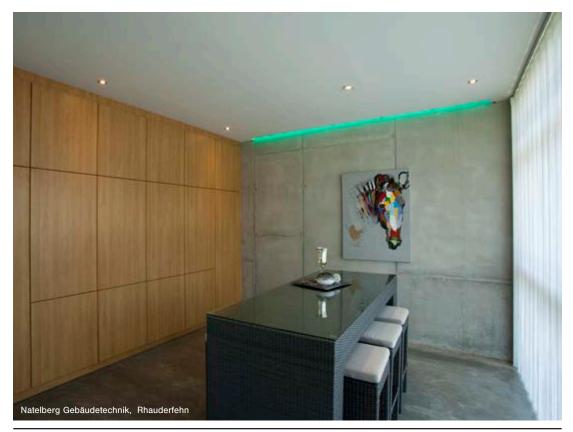
Installation into suspended ceilings by spring fixation.

driver see page 634.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperati	ure	Flux	Colour- rendering-index	Lense
R3001NW2	nickel satin	4100 K		435 lm	CRI > 80	25°
R3001NW4	nickel satin	4100 K		423 lm	CRI > 80	45°
R3001NW6	nickel satin	4100 K		416 lm	CRI > 80	60°
R3001W2	nickel satin	6500 K		442 lm	CRI > 75	25°
R3001W4	nickel satin	6500 K		439 lm	CRI > 75	45°
R3001W6	nickel satin	6500 K		435 lm	CRI > 75	60°
R3001WW2	nickel satin	3000 K		281 lm	CRI > 90	25°
R3001WW4	nickel satin	3000 K		274 lm	CRI > 90	45°
R3001WW6	nickel satin	3000 K		269 lm	CRI > 90	60°



R6301... LED recessed spots







Specification

Incl. light source: 3x LED, power: ca. 6,7 W, material: aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 634.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperat	ure	Flux	Colour- rendering-index	Lense
R6301NW2	alu satin	4100K		435lm	CRI > 80	25°
R6301NW4	alu satin	4100K		423lm	CRI > 80	45°
R6301NW6	alu satin	4100K		416lm	CRI > 80	60°
R6301W2	alu satin	6500K		442lm	CRI > 75	25°
R6301W4	alu satin	6500K		439lm	CRI > 75	45°
R6301W6	alu satin	6500K		435lm	CRI > 75	60°
R6301WW2	alu satin	3000 K		281lm	CRI > 90	25°
R6301WW4	alu satin	3000 K		274lm	CRI > 90	45°
R6301WW6	alu satin	3000 K		269lm	CRI > 90	60°

R6501... LED recessed spots







Specification

Incl. light source: 3x LED, power: ca. 6,7 W, material: aluminium / plastic

Installation into suspended ceilings by spring fixation.

driver see page 634.

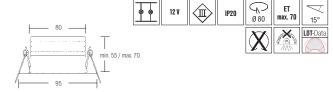
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of housing	Colour temperatu	ıre	Flux	Colour- rendering-index	Lense
R6501NW2	alu satin	4100K		435lm	CRI > 80	25°
R6501NW4	alu satin	4100K		423lm	CRI > 80	45°
R6501NW6	alu satin	4100K		416lm	CRI > 80	60°
R6501W2	alu satin	6500K		442lm	CRI > 75	25°
R6501W4	alu satin	6500K		439lm	CRI > 75	45°
R6501W6	alu satin	6500K		435lm	CRI > 75	60°
R6501WW2	alu satin	3000 K		281lm	CRI > 90	25°
R6501WW4	alu satin	3000 K		274lm	CRI > 90	45°
R6501WW6	alu satin	3000 K		269lm	CRI > 90	60°

1085... Low voltage-Recessed spots





Specification

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

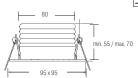
Drivers see page 645.

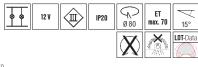
Energy efficiency class: A to C

Article-no.	Colour of housing
1085.07	white
1085.08	black

1086... Low voltage-Recessed spots







Specification

For low voltage lamp: 1x 1x GX5,3 QRCBC51, power: max. 50 W, material: steel

Drivers see page 645.

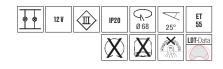
Energy efficiency class: A to C

Colour of housing
white
black

1928... Low voltage-Recessed spots







Specification

For low voltage lamp: 1x 1x GX5,3 QRCBC51, power: max. 50 W, material: cast / steel

Drivers see page 645.

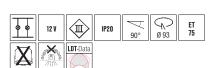
Energy efficiency class: A to C

edge angular

Article-no.	Colour of housing
1928.02	chrome
1928.07	white
1928.15	nickel satin



2139... Low voltage-Recessed spots







Specification

For low voltage lamp: 1x 1x GX5,3 QRCBC51, power: max. 50 W, material: cast / steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2139.02	chrome
2139.03	chrome satin
2130.07	white







2174.25

Specification

For low voltage lamp: 1x 1x GX5,3 QRCBC51, power: max. 50 W, material: cast / steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing
2174.25 alu satin

26002...

Low voltage-Recessed spots







Specification

For low voltage lamp: 1x 1x GX5,3 QRCBC51, power: max. 50 W, material: cast / steel

Drivers see page 645.

Energy efficiency class: A to C

Colour of housing Article-no.

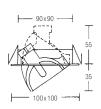
26002070 white

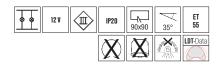
26002150 nickel satin

2132.07

Low voltage-Recessed spots







Specification

For low voltage lamp: 1x 1x GX5,3 QRCBC51, power: max. 50 W, material: cast / steel

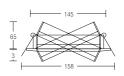
Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 2132.07 white

512761 Low voltage-Recessed luminaire





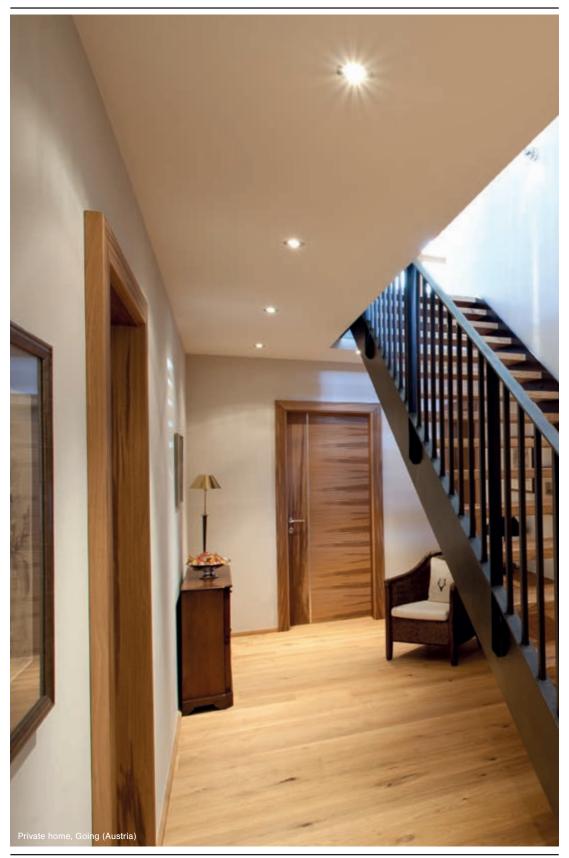


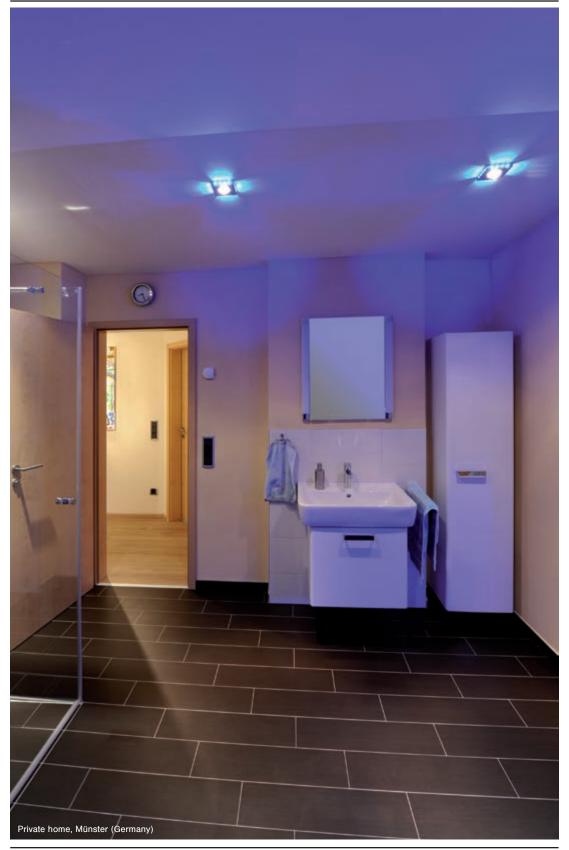
Specification

For low voltage lamp: 1x G53 QR-LP111, power: max. 50 W, material: aluminium

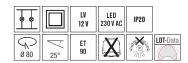
Drivers see page 645.

Energy efficiency class: A to C





2288... recessed low-voltage spot with radial-led-circuit







Specification

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 35W, material: cast / crystal glass

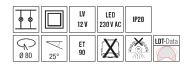
delivery with LED-driver (not dimmable). The transformer for the low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1-> transformer / cicuit 2-> LED driver)

Low-voltage drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2288.02W 🔾	chrome
2288.02B	chrome
2288.02R 🔵	chrome
2288.02Y 🛑	chrome
2288.02G •	chrome

2284... recessed low-voltage spot with radial-led-circuit







Specification

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 35W, material: cast

delivery with LED-driver (not dimmable). The transformer for the low voltage bulb is not included. For separately switchable control two 230 V AC circuits needed (circuit 1-> transformer / cicuit 2-> LED driver).

Low-voltage drivers see page 645.

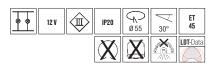
Energy efficiency class: A to C

Article-no	Colour of housing
2284.02W O	chrome
2284.02B •	chrome
2284.02R •	chrome
2284.02Y •	chrome
2284.02G	chrome

0067.25 low voltage spot







Specification

For low voltage lamp: 1x GZ4 QRCBC35, power: max. 35 W, material: aluminium

Drivers see page 645.

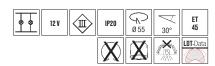
Energy efficiency class: A+ to C

Article-no. Colour of housing 0067.25 alu satin

0068.25 low voltage spot







Specification

For low voltage lamp: 1x GZ4 QRCBC35, power: max. 35 W, material: aluminium

Drivers see page 645.

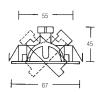
Energy efficiency class: A+ to C

Article-no. Colour of housing

0068.25 alu satin

2019... low voltage spot







Specification

For low voltage lamp: 1x GZ4 QRCBC35, power: max. 20 W, material: steel / brass

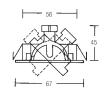
Drivers see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour of housing
2019.02	chrome
2019.03	chrome satin
2019.07	white

1927... low voltage spot







Specification

For low voltage lamp: 1x GZ4 QRCBC35, power: max. 20 W, material: cast / steel

Drivers see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour of housing
1927.05	gold
1927.07	white
1927.15	nickel satin

2089... low voltage spot







Specification

For low voltage lamp: 1x GZ4 QRCBC35, power: max. 20 W, material: pure brass

Drivers see page 645.

Energy efficiency class: A+ to C

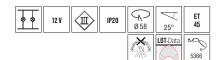
Article-no. Colour of housing 2089.00

2089.03 chrome satin

1026... low voltage spot







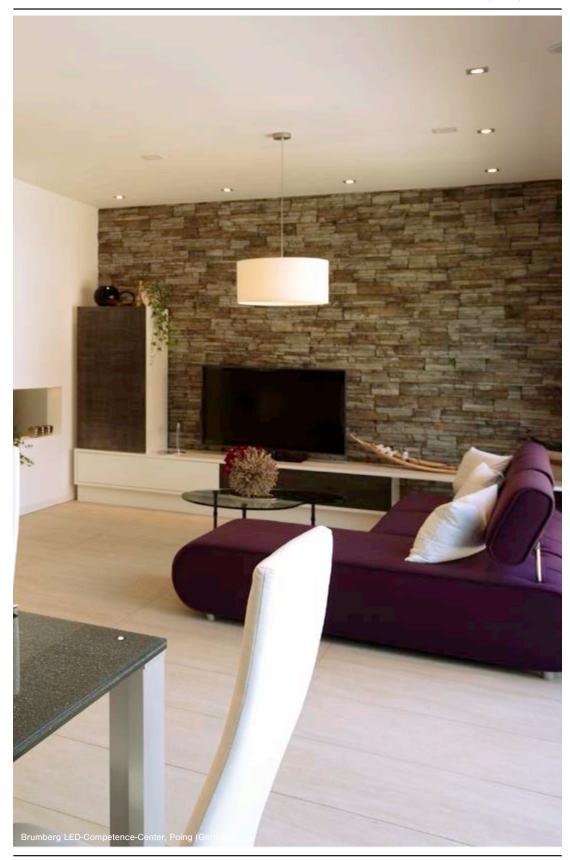
Specification

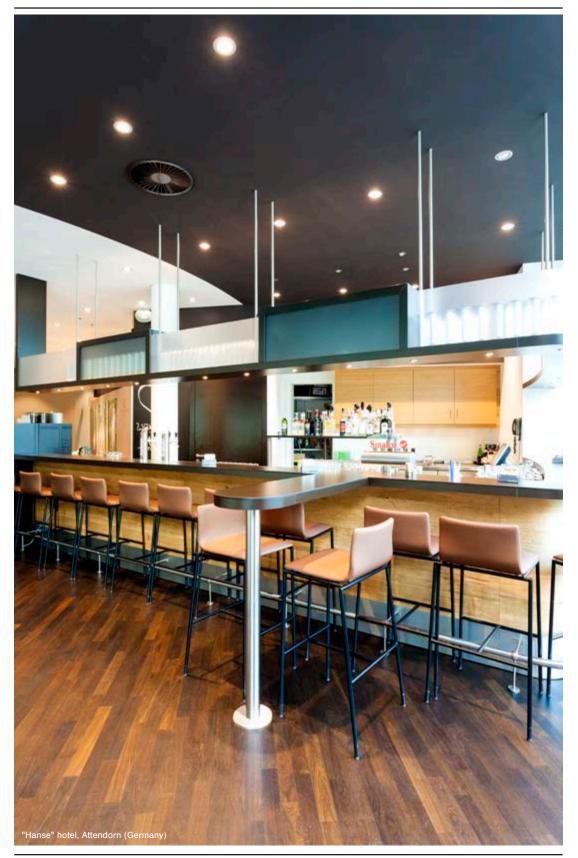
For low voltage lamp: 1x GZ4 QRCBC35, power: max. 35 W, material: pure brass

Drivers see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour of housing
1026.02	chrome
1026.03	chrome satin
1026.07	white





2164... High voltage recessed spots







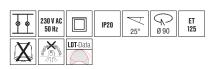
Specification

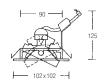
For high voltage lamp: 1x GU10 QPAR64, power: max. 75 W, material: cast, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
2164.02	chrome
2164.03	chrome satin
2164.07	white

2192.03 High voltage recessed spot







Specification

For high voltage lamp: 1x GU10 QPAR64, power: max. $75\,\mathrm{W}$, material: cast, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of housing
2192.03	chrome satin

1204... | recessed & surface mounted high-voltage lights



applies just for article-no.12043150







Specification

For lamp: 1x GU10 QPAR51 power: max. 50 W, material: steel / cast

Energy efficiency class: A++ to E

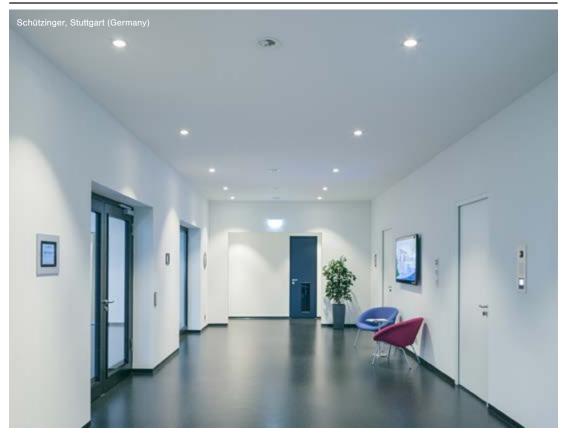
Article-no.	Colour of housing
12043150	nickel satin
12044150	nickel satin



recessed

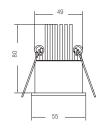
ceiling rigid





12412023 / 12413023 LED recessed downlight







Specification

Incl. light source: 1x LED, power: 5 W, beam angle: 50° material: aluminium / glass

Drivers see page 628.

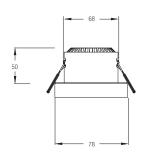
Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	cover	colour temperature	Flux
12412023	chrome	clear glass	3000 K	420 lm
12413023	chrome	glass satin	3000 K	400 lm







12347003 LED recessed downlight

NEW

Specification

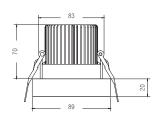
Incl. light source: LED, power: 7 W, beam angle: 38°, material: aluminium / plastic / clear glass

Article-No.	Colour of housing	colour temperature
12347003	acryl glass partly satined	2700 K

Drivers see page 628.

Energy efficiency class: A++ bis A This luminaire contains incorporated and









Specification

Incl. light source: 1x LED, power: about 10 W, material: aluminium / plastic satin

Drivers see page 628.

Energy efficiency class: A++ bis A

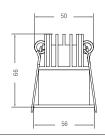
This luminaire contains incorporated and non-exchangeable LED light sources.

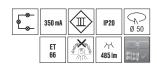


Article-No.	Colour of housing	colour temperature
2416003	plastic satin	3000 K

12105073 LED recessed downlight







Specification

Incl. light source: 1x LED, power: 6.2 W, beam angle: 24°, material: aluminium / clear plastic, suitable for ceiling thicknesses up to a maximum of 40 mm

Drivers see page 628.

Energy efficiency class: A++ to A

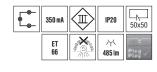
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	colour temperature	CRI	
12105073	white	3000 K	90	

12107073 LED recessed downlight







Specification

Incl. light source: 1x LED, power: 6,2 W, beam angle: 24°, material: aluminium / clear plastic, suitable for ceiling thicknesses up to a maximum of 40 mm

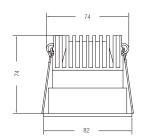
Drivers see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	colour temperature	CRI
12107073	white	3000 K	90





12108063 gold satin

12108253 alu satin

12108073 white

Colour of housing colour temperature

3000 K

3000 K

3000 K



CRI

90

90

90

Specification

Incl. light source: 1x LED, power: 11 W, beam angle: 32° , material: aluminium / clear plastic

Suitable for ceiling thickness up to 30 mm.

Drivers see page 633.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.



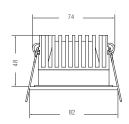


12108253

12108063

12106... LED recessed downlight





Colour of housing

colour temperature

3000 K

3000 K

3000 K

Article-No.

12106063 gold satin

12106073 white

12106253 alu satin



CRI

90

90

90

Specification

Incl. light source: 1x LED, power: 10 W, beam angle: 32° , material: aluminium / clear plastic

Drivers see page 633.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.



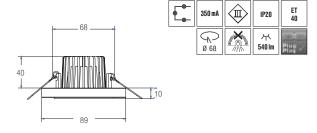


12106253

12106063

13335003 / 13333003 LED design downlight





Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38°, material: aluminium / smooth glass reflected on back wall / clear

Drivers see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

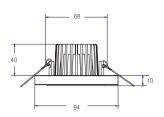
Article-No.	Colour of housing	colour temperature
13335003	smoked glass / alu	2700 K O
13333003	clear glass / alu	2700 K O

Modular construction: further light colors and power outputs are available on demand



13338003 / 13337003 LED design downlight







Specification

Incl. light source: 1x LED, power: 6 W, beam angle: $38^\circ,$ material: aluminium / prismatic glass reflected on back wall / clear glass

Drivers see page 628.

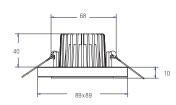
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	colour temperature
13338003	smoked glass / alu	2700 K
13337003	clear glass / alu	2700 K O

Modular construction: further light colors and power outputs are available on demand

350 mA III IP20 ET 40





13336003 / 13334003 LED design downlight

Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38° , material: aluminium / smooth glass reflected on back wall / clear glass

Drivers see page 628.

Energy efficiency class: A++ to A

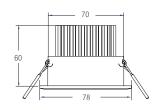
This luminaire contains incorporated and non-exchangeable LED light sources.

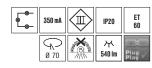
Article-No.	Colour of housing	colour temperature
13336003	smoked glass / alu	2700 K
13334003	clear glass / alu	2700 K

Modular construction: further light colors and power outputs are available on demand

12350253 / 12351253 / 12352253 LED built-in downlight







Specification

Incl. light source: 1x LED, power: 8 W, beam angle: 38°, material: aluminium / clear glass

Drivers see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

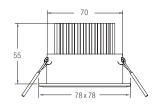
Article-No.	Colour of housing	colour temperature
12350253	alu satin / black	2700 K
12351253	alu satin / blue	2700 K
12352253	alu satin / green	2700 K





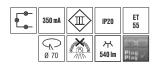
12349253 / 12349613 LED built-in downlight





Colour of housing

Article-No.



Specification

Incl. light source: 1x LED, power: 8 W, beam angle: 38°, direct light emission, material: aluminium / clear glass

Drivers see page 628.

Energy efficiency class: A++ to A

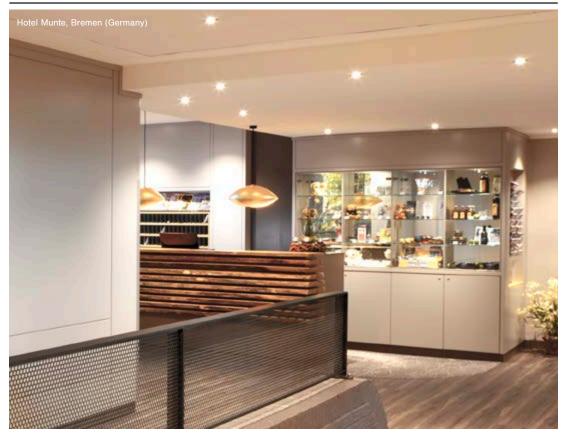
This luminaire contains incorporated and non-exchangeable LED light sources.



12349253

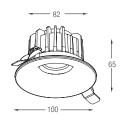
12349253	alu satin / black	2700 K	
12349613	alu satin / gold	2700 K	

colour temperature



12411073 LED recessed downlight







Specification

Incl. light source: 1x LED, power: 6,2 W, material: aluminium

Drivers see page 628.

Energy efficiency class: A++ to A

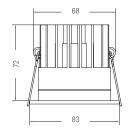
This luminaire contains incorporated and non-exchangeable LED light sources.

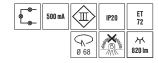
Article-No.	Colour of housing	colour temperature	Beam angle
12411073	white	3000 K	40°

12035...

LED recessed downlight







Specification

Incl. light source: 1x LED, power: 9,2 W, beam angle: 33°, material: aluminium / clear glass

Drivers see page 633.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	colour tempera	ature
12035173	textured white	3000 K	
12035553	textured white / textured black	3000 K	
12035753	textured white / textured gold	3000 K	
12035853	textured black / textured gold	3000 K	



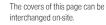
12035553 textured white / textured black



12035753 textured white / textured gold

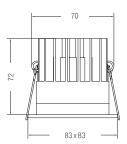


12035853 textured black / textured gold









12036... LED recessed downlight



12036173 textured white

Specification

Incl. light source: 1x LED, power: 9,2 W, beam angle: 33°, material: aluminium / clear glass

Drivers see page 633.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	colour temperature
12036173	textured white	3000 K
12036553	textured white / textured black	3000 K
12036753	textured white / textured gold	3000 K
12036853	textured black / textured gold	3000 K



12036553 textured white / textured black



12036753 textured white / textured gold



12036853 textured black / textured gold

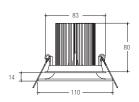
The covers of this page can be interchanged on-site.





12406073 / 33406073 Semi-recessed direct / indirect LED downlight







Base model LED 350mA

Incl. light source: LED, Power: 10,5 W, material: aluminium, additional indirect ambient light

Dimmable Drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature		Beam angle
12406073	white	3000 K	0	45°



LED-Set, including driver

Incl. light source: LED, Power: 10,5 W, material: aluminium, incl. driver for 230V-connection, not dimmable, dimension driver: I 115 x w 34 x h 19 mm additional indirect ambient light

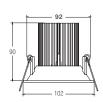
Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature	Beam angle
33406073	white	3000 K	45°

**	230 V AC 50Hz		IP20
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12407073 Ceiling-recessed LED downlight







Specification

Incl. Light source: LED, power: 13,6 W, material: aluminium, with circular light slot

Drivers see page 634.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

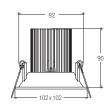
Equivalent surface mounted versions see page 322.



Article-no. Colour of housing Colour temperature Beam angle 12407073 white 3000 K 38°

12408073 Ceiling-recessed LED downlight







Specification

Incl. Light source: LED, power: 13,6 W, material: aluminium, with circular light slot

Drivers see page 634.

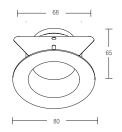
Energy efficiency class: A++ to A



Article-no.	Colour of housing	Colour temperature	Beam angle
12408073	white	3000 K	38°

R3008... Ceiling-recessed LED downlight







Specification

Incl. light source: LED, power: 3,3 W, material: aluminium / plastic

Drivers see page 628.

Energy efficiency class: A++ to A

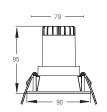
This luminaire contains incorporated and non-exchangeable LED light sources.

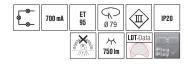
Article-no.	Colour of housing	Colour temperature	Flux	Beam angle
R3008NW2	white	4100 K	290lm	25°
R3008NW4	white	4100 K	283lm	45°
R3008W2	white	6500 K \bigcirc	314lm	25°
R3008W4	white	6500 K	300lm	45°
R3008WW2	white	3000 K	176lm	25°
R3008WW4	white	3000 K	172lm	45°

Modular construction: further light colors and power outputs are available on demand

12403073 Ceiling-recessed LED downlight







Specification

Incl. light source: LED, power: 10 W, material: aluminium / plastic

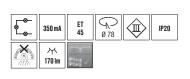
Drivers see page 634.

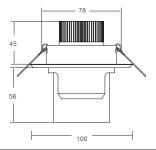
Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature	Beam angle
12403073	white	3000 K	30°

12012253

Ceiling-recessed LED downlight







Design by Lounge Design

Specification

Incl. light source: LED, power: 3,3 W, material: aluminium / acrylic glass

Drivers see page 628.

Energy efficiency class: A++ to A

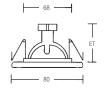
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	Beam angle
12012253	alu satin	3000 K	30°

Modular construction: further light colors and power outputs are available on demand

2170... / 12184... 33184... Ceiling-recessed downlight







Modular construction: further light colors and power outputs are available on demand (12184... / 33184...)

Base model low-voltage

For Low-voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: aluminium / clear alass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2170.02	chrome
2170.05	gold
2170.25	alu satin

Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: aluminium / clear glass

Dimmable Drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12184023	chrome	2700 K
12184053	gold	2700 K 🔾
10104050	almantin	07001/

LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature
33184023	chrome	2700 K 🔍
33184053	gold	2700 K 🔾
33184253	alu satin	2700 K

























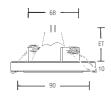






0282.00 Low-voltage recessed downlight







Base model low-voltage

For Low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: cast/glass

Drivers see page 645.

Energy efficiency class: A to C

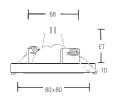
Article-no.	Colour of housing
-------------	-------------------

chrome / clear glass

0282.00

0283.00 Low-voltage recessed downlight







Base model LV

For Low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: cast / glass

Drivers see page 645.

Energy efficiency class: A to C

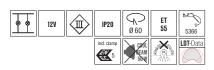
Article-no. Colour of housing

0283.00 chrome / clear glass

2082... Low-voltage recessed downlight







Specification

For Low-voltage lamp: 1x GX5,3 QRC51, power: max. 50W, material: brass

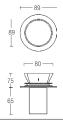
Drivers see page 645.

Article-no.	Colour of housing
2082.00	brass
2082.02	chrome
2082.03	chrome satin
2082.07	white



2553.25 Low-voltage recessed downlight







Specification

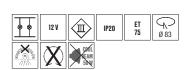
For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50W, material: aluminium / glass satined

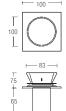
Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing

2332.15 alu satin / frosted glass





2555.25 Low-voltage recessed downlight



Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50W, material: aluminium / glass satined

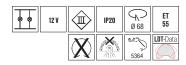
Drivers see page 645.

1924...

Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 35 W, material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing

1924.02	chrome	
1924.07	white	
1924.15	nickel satin	

2117..

Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W material: aluminium cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2117.02	chrome
2117.03	chrome satin
2117.07	white

2535.25 Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W material: aluminium

Drivers see page 645.

Article-no.	Colour of housing
2535.25	alu satin

2033... Low-voltage recessed downlight







Specification

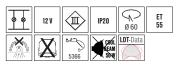
For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W material: cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2033.02	chrome
2033.03	chrome satin
2033.05	gold
2033.07	white

2203... Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51 power: max. 50 W, material: cast $\,$

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2203.02	chrome
2203.03	chrome satin





2350... | | High-voltage recessed downlight



Specification

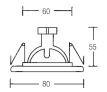
For high-voltage lamp: 1x GZ10 QPAR-CB51, power: max. 20 W, edge vaulted, material: cast, incl. high voltage bracket

Article-no.	Colour of housing
2350.02	chrome
2350.03	chrome satin
2350.05	gold
2350.07	white

2017...

Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: steel

Drivers see page 645.

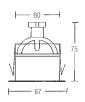
Energy efficiency class: A to C

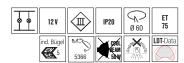
Article-no.	Colour of housing
2017.02	chrome

2017.03 chrome satin 2017.04 bronze 2017.07 white

1052.07 Low-voltage recessed downlight







limitation of glare by inside-mounted bulb

Specification

For Low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: brass

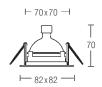
Drivers see page 645.

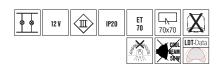
Energy efficiency class: A+ to C

Article-no. Colour of housing 1052.07 white

2094.25 Low-voltage recessed downlight







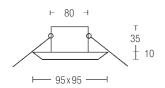
Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. $50\,\mathrm{W}$, material: aluminium cast

Drivers see page 645.

2147.15 Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GY6,35 QT12, power: max. 35 W, material: cast / glass satined $\,$

Article-no. Colour of housing

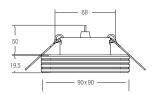
2147.15 nickel satin

Drivers see page 645.

Energy efficiency class: A to E

20028020 Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material aluminium

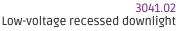
Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
20028020	chromo









Specification

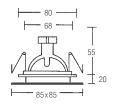
For low-voltage lamp: 1x GX5,3 QRCBC51, power: max. 20 W, material: cast / clear glass

Article-no. Colour of housing 3041.02 chrome

Drivers see page 645.

1960... Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W material: aluminium cast / partially satined glass

Drivers see page 645.

Energy efficiency class: A to C

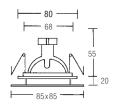
Article-no. Colour of housing

1960.02 chrome 1960.15 nickel satin

5740.00 replacement glass

Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: aluminium cast / partially satined glass

Drivers see page 645.

Energy efficiency class: A to C

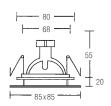
Article-no. Colour of housing 1961.02 chrome

1961.15 nickel satin

5741.00 replacement glass

1965... Low-voltage recessed downlight







Specification

For low-voltage lamp: $1x\ GX5,3\ QRC51,$ power: max. $50\ W$ material: aluminium cast / partially satined glass

Drivers see page 645.

Energy efficiency class: A to C

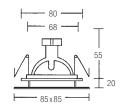
Article-no. Colour of housing 1965.02 chrome

1965.02 chrome 1965.15 nickel satin

5745.00 replacement glass

1966... Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: aluminium cast / partially satined glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
1966.02	chrome

nickel satin

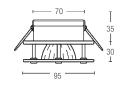
5746.00 replacement glass

1966.15

1930...

Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRCBC51, power: max. 50W material: iron / clear glass

Drivers see page 645.

Energy efficiency class: A to C

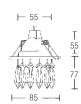
Article-no.	Colour of housing
1930.02	chrome
1930.05	gold

nickel satin

1930.15

0284.00 Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRC51, power: max. 35W, material: iron / crystal glass

Drivers see page 645.

Energy efficiency class: A to C

Article-no. Colour of housing 0284.00 gold

0286.00 Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GX5,3 QRCBC51, power: max. 35 W material: iron / crystal glass

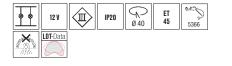
Drivers see page 645.

Energy efficiency class: A to C

Colour of housing Article-no.

0286.00 gold

0287.00 Low-voltage recessed downlight







Specification

For low-voltage lamp: 1x GZ4 QRCBC35, power: max. 20 W, material: brass

Drivers see page 645.

Energy efficiency class: A+ to C

LDT-Data

 (Π)

Article-no. Colour of housing
0287.02 chrome

0287.02 chrome satin

56 -

0287.07 white

1926... Low-voltage recessed downlight





Specification

For low-voltage lamp: 1x GZ4 QRCBC35, power: max. 20 W, material: iron / crystal glass

Drivers see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour	of	housing

1926.02	chrome
1926.07	white

12V IP20 0 48 ET 45 UDT-Data







Specification

For Low-voltage lamp: 1x GZ4 QRCBC35, power: max. 20W, material: cast

Drivers see page 645.

Article-no.	Colour of housing
2103.02	chrome
2103.03	chrome satin
2103.05	gold
2103.07	white



recessed

ceiling downlights

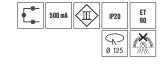




Recessed LED downlight







Specification

Incl. light source: 1x LED, power: 14 W, material: aluminium / plastic, beam angle: 60°, UGR<19, reflector silver satin

Driver see page 633.

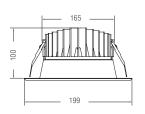
BRUMBERG[®]

Energy efficiency class: A++ to A

Article-No.	Colour of housing	Colour temperature	light flux	CRI
40515073	white	3000 K	1050 lm	>83
40515074	white	4000 K	1150 lm	>83

40516... Recessed LED downlight







Specification

Incl. light source: 1x LED, power: 24 W, material: aluminium / plastic, beam angle: 60°, UGR<19, reflector silver satin

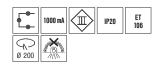
Driver see page 634.

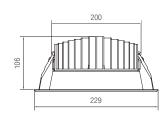
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	light flux	CRI
40516073	white	3000 K	2150 lm	>83
40516074	white	4000 K	2350 lm	>83

40517... Recessed LED downlight







Specification

Incl. light source: 1x LED, power: 36 W, material: aluminium / plastic, beam angle: 70°, UGR<19, reflector with silver finish

Driver see page 639.

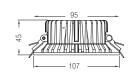
Energy efficiency class: A++ to A

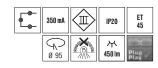
Article-No.	Colour of housing	Colour temperature	light flux	CRI
40517073	white	3000 K	3250 lm	>83
40517074	white	4000 K	3510 lm	>83

40523073

Recessed LED downlight







Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 90°, material: aluminium / plastic satin, plastic mounting ring, maximum installation thickness: 15 mm

Article-No. Colour of housing 40523073 white

Colour temperature

3000 K

Driver see page 628.

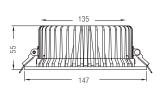
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

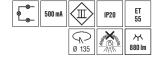
40524073

Recessed LED downlight





Article-No.



Specification

Incl. light source: 1x LED, power: 12 W, beam angle: 90°, material: aluminium / plastic satin, maximum installation thickness: 15 mm

Colour of housing 40524073 white

Colour temperature

3000 K

Driver see page 633.

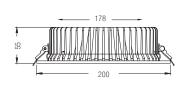
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

40526073

Recessed LED downlight







Specification

Incl. light source: 1x LED, power: 17 W, beam angle: 100°, material: aluminium / plastic satin, maximum installation thickness: 15 mm

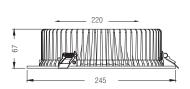
Article-No. Colour of housing Colour temperature 40526073 3000 K white

Driver see page 634.

Energy efficiency class: A++ to A

40527073 Recessed LED downlight







Specification

Incl. light source: 1x LED, power: 22 W, beam angle: 100°, material: aluminium / plastic satin, maximum installation thickness: 15 mm

Article-No.	Colour of housing	Colour temperature
40527073	white	3000 K

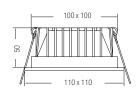
Driver see page 634.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

40535073 Recessed LED downlight







Specification

Incl. light source: LED, power: 13 W, material: aluminium / plastic satin, beam angle: 100°

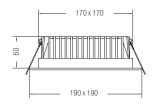
Article-No.	Colour of housing	Colour temperature
40535073	white	3000 K

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

700 mA III IP20 ET 60





Specification

Incl. light source: LED, power: 25 W, material: aluminium / plastic satin, beam angle: 100°

Article-No.	Colour of housing	Colour temperature
40536073	white	3000 K

Driver see page 634.

Energy efficiency class: A++ to A

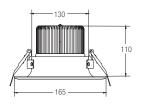
This luminaire contains incorporated and non-exchangeable LED light sources.

40536073



12414073 LED recessed pivotable downlight





-	500 mA	IP20	Ø 130
	25°	ET 110	兴 1815 lm

Specification

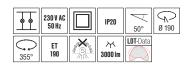
$$\label{eq:local_light} \begin{split} &\text{Incl. light source: 1x LED, beam angle: } 38^\circ, \\ &\text{material: aluminium / clear glass} \end{split}$$

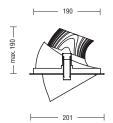
Driver see page 633.

Energy efficiency class: A++ to A

Article-No.	Colour of housing	Power	Colour temperature
12414073	white	18 W	3000 K

88492... / 88493... Recessed LED spot







Specification

Incl. light source: LED, material: aluminium / clear glass, LED power: 29W, system power: 32W, flux: 3270lm, heat dissipation: passive (without fan), incl. separate operating device (driver dimensions: 147 x 45 x 32 mm).

Not applicable for through-wiring.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

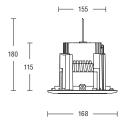
Article-no.	Colour of housing	Colour temperature	Beam patterns
88492073	white	3000 K 🔵	24° (MF)
88492083	black	3000 K 🔾	24° (MF)
88492683	silver	3000 K 🔵	24° (MF)
88493073	white	3000 K 🔾	40° (FL)
88493083	black	3000 K 🔵	40° (FL)
88493683	silver	3000 K 🔾	40° (FL)



On request also available in colour temperatures 2700K, 3500K and 4000 K.

88415... Recessed LED spot







Specification

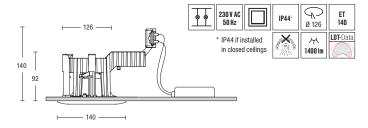
Incl. light source: LED, material: aluminium / plastic clear, incl. separate operating device (driver dimensions: $160 \times 80 \times 35$ mm). Not applicable for through-wiring.

Enorgy	efficiency	clace.	$\Lambda + +$	ŧο	٨

Article-no.	Colour of housing	Power	Colour temperature	Beam patterns
88415073	white satin	36W	3000 K	36° (FL)
88415683	silver	36W	3000 K	36° (FL)

88405... Recessed LED downlight





Specification

Incl. light source: LED, material: aluminium / clear glass, incl. separate operating device (driver dimensions: 100 x 50 x 30 mm). Not applicable for through-wiring.

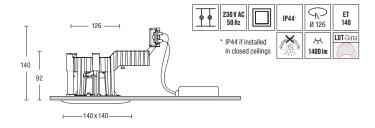
Article-no.	Colour of housing	Power	Colour temperature	Beam patterns
88405073	white	12 W	3000 K	60° (WFL)
88405683	silver	12 W	3000 K	60° (WFL)

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

88406... Recessed LED downlight





Specification

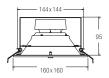
Incl. light source: LED, material: aluminium / clear glass, incl. separate operating device (driver dimensions: 100 x 50 x 30 mm). Not applicable for through-wiring.

Fnerny	efficiency	class.	Δ++	tn A

Article-no.	Colour of housing	Power	Colour temperature	Beam patterns
88406073	white	12 W	3000 K	60° (WFL)
88406683	silver	12 W	3000 K	60° (WFL)

40510223 Recessed LED downlight







Specification

Incl. light source: LED, material: stainless steel / glass, cover: partially frosted, incl. operating device. Adapted for through-wiring.

Article-no.	Colour of housing	Power	Colour temperature	Beam patterns
40510223	stainless steel	12 W	3000 K	60° (WFL

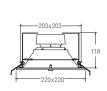
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.



40511223 Recessed LED downlight







Specification

Incl. light source: LED, material: stainless steel / glass, cover: partially frosted, incl. operating device. Adapted for through-wiring.

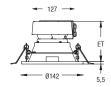
Article-no.	Colour of housing	Power	Colour temperature	Beam Patterns
40511223	stainless steel	26 W	3000 K	60° (WFL)

Energy efficiency class: A++ to A



88431... / 88433... Recessed LED downlight







Specification

Incl. light source: LED, material: steel / aluminium, incl. operating device. Not applicable for through-wiring.

Energy efficiency class: A++ to A

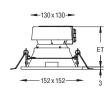
This luminaire contains incorporated and non-exchangeable LED light sources.

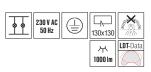
Article-no.	Colour of housing	Installation depth	Protection	Power	Colour temperature	Beam patterns
88431073	white	91 mm	IP20	15 W	3000 K	60° (WFL)
88431074	white	91 mm	IP20	15 W	4000 K	60° (WFL)
88433073	white	95 mm	IP44*	15 W	3000 K	60° (WFL)
88433074	white	95 mm	IP44*	15 W	4000 K	60° (WFL)

^{*} IP44 if installed in closed ceilings (cover: clear glass)

88445... / 88446... Recessed LED downlight







Specification

Incl. light source: LED, material: steel / aluminium, incl. operating device. Not applicable for through-wiring.

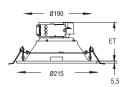
Energy efficiency class: A++ to A

Article-no.	Colour of housing	Installation depth	Protection	Power	Colour temperature	Beam patterns
88445073	white	77 mm	IP20	15W	3000 K	60° (WFL)
88445074	white	77 mm	IP20	15W	4000 K	60° (WFL)
88446073	white	81 mm	IP44*	15W	3000 K	60° (WFL)
88446074	white	81 mm	IP44*	15W	4000 K	60° (WFL)

^{*} IP44 if installed in closed ceilings (cover: clear glass)

88432... / 88434... Recessed LED downlight







Specification

Incl. light source: LED, material: steel / aluminium, incl. operating device. Adapted for through-wiring.

Energy efficiency class: A++ to A

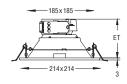
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Installation depth	Protection	Power	Colour temperature	Beam patterns
88432073	white	104 mm	IP20	26 W	3000 K	60° (WFL)
88432074	white	104 mm	IP20	26 W	4000 K	60° (WFL)
88434073	white	108 mm	IP44*	26 W	3000 K	60° (WFL)
88434074	white	108 mm	IP44*	26 W	4000 K	60° (WFL)

^{*} IP44 if installed in closed ceilings (cover: clear glass)

88447... / 88448... Recessed LED downlight







Specification

Incl. light source: LED, material: steel / aluminium, incl. operating device. Adapted for through-wiring.

Energy efficiency class: A++ to A

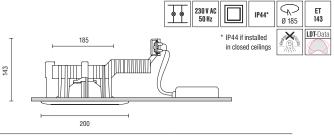
Article-no.	Colour of housing	Installation depth	Protection	Power	Colour temperature	Beam patterns
88447073	white	84 mm	IP20	26 W	3000 K	60° (WFL)
88447074	white	84 mm	IP20	26 W	4000 K	60° (WFL)
88448073	white	89 mm	IP44	26 W	3000 K 🔾	60° (WFL)
88448074	white	89 mm	IP44	26 W	4000 K	60° (WFL)

^{*} IP44 if installed in closed ceilings (cover: clear glass)



88401... / 88402... Recessed LED downlight





Specification

Incl. light source: LED, material: aluminium, incl. separate operating device (driver dimensions: 160 x 80 x 35 mm).

Not applicable for through-wiring.

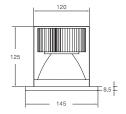
Energy efficiency class: A++ to A

Article-no.	Colour of housing	Power	Colour temperature	Flux	Beam angle
88401073	white	39 W	3000 K	3500 lm	WFL
88401683	silver	39 W	3000 K	3500 lm	WFL
88402073	white	51 W	3000 K	5000 lm	WFL
88402683	silver	51 W	3000 K	5000 lm	WFI

40601074 / 40602074 / 40603074 TunableWhite LED-Downlight



40602074







40601074

40603074

Specification

Incl. light source: LED, material: aluminium / steel, beam angle: 45°, colour rendering: CRI>90

Create an ambient room lightening by adjustable colour temperature from cool white to warm white. I.e. cool white at day and warm and comfortable light in the evening.

- Control via two 1-10V-interface: 1. for luminaire dimming 2. to control light colour (3000 K–5700 K)

driver see page 640. control see page 517.

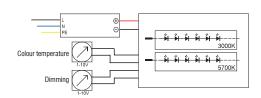
Energieeffizienzklasse: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Cover	Protection	Power	Colour temperature	Flux
40601074	none	IP20	21 W	2700 K-5700 K	1250 lm
40602074	satined glass ring	IP20	21 W	2700 K-5700 K	1250 lm
40603074	satined glass cover	IP44*	21 W	2700 K-5700 K	1250 lm

* IP44 if installed in closed ceilings

	24 V DC	
Ø 120	ET 125	X





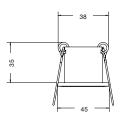
recessed

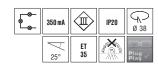
ceiling light spots



12169... Recessed LED light spot pivotable







Specification

Incl. light source: 1x LED, power 1 W, material: aluminium / plastic, Maximum installation thickness: 20 mm (clearance hole)

Driver see page 628.

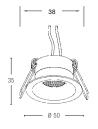
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

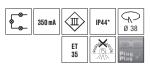
Article-No.	Colour of housing	Colour temperature
12169023	chrome	3000 K
12169073	white	3000 K
12169153	nickel satin	3000 K

12079... Recessed LED light spot





*IP44 if installed in closed ceilings



Hint: A natural oxidation of copper is possible.

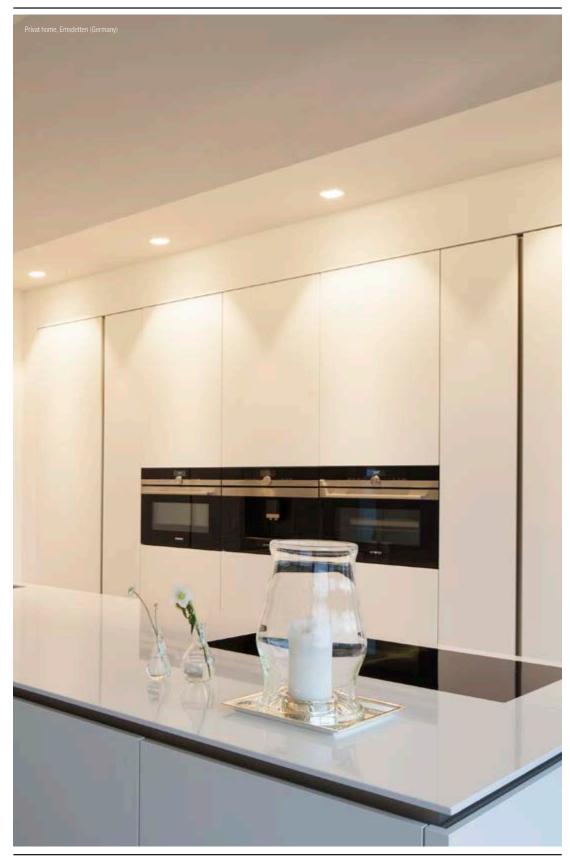
Specification

Incl. light source: 1x LED, power 4 W

Driver see page 628.

Energy efficiency class: A++ to A

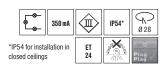
Article-No.	Material	Colour of housing	Colour temp	erature
12079023	aluminium / stainless steel	chrome	3000 K	
12079073	aluminium / stainless steel	white	3000 K	
12079193	aluminium / copper	copper	3000 K	



12031023 LED light point







Design by BCM Lighting

Specification

Incl. light source: LED, power: 1 W, beam angle: 15°, material: aluminium / clear glass, height: 8 mm

Drivers see page 628.

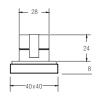
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12031023	chrome	3100 K 🔘

12032023 LED light point







Design by BCM Lighting

Specification

Incl. light source: LED, power: 1 W, beam angle: 15°, material: aluminium / clear glass , height: 8 mm

Drivers see page 628.

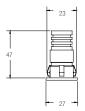
BRUMBERG[®]

Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature
12032023	chrome	3100 K

12051173 LED light point







Specification

Incl. light source: LED, power: 1 W, beam angle: 45°, material: aluminium / clear glass

Drivers see page 628.

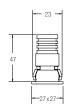
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature	
12051173	textured white	3100 K	

12052173 LED light point







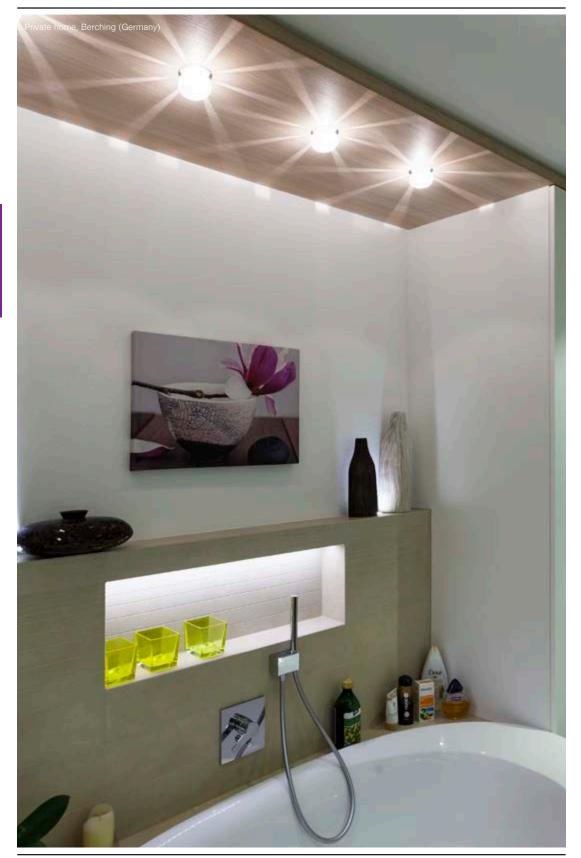
Specification

Incl. light source: LED, power: 1 W, beam angle: 45° , material: aluminium / clear glass

Drivers see page 628.

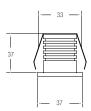
Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature
12052173	textured white	3100 K



12053173 LED light point







Specification

Incl. light source: LED, power: 3 W, beam angle: 45°, material: aluminium / glass textured

Drivers see page 634.

Energy efficiency class: A++ to A

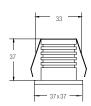
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of housing Colour temperature

12053173 textured white 3100 K

12054173 LED light point







Specification

Incl. light source: LED, power: 3 W, beam angle: 45°, material: aluminium / glass textured

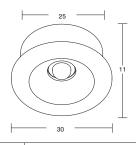
Drivers see page 634.

Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature
12054173	textured white	3100 K

P3605... LED light point







Specification

Incl. light source: LED, power: 1 W, beam angle: 120°, material: plastic / aluminium, colour: chrome, installation into suspended ceilings with low installation depth

INDOOR

Drivers see page 628.

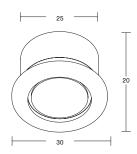
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Light colour	Flux	
P3605W	6500 K 🔾	60 lm	
P3605WW	3100 K 🔾	40 lm	
P3605B			
P3605R			
P3605Y			
P3605G			

P3653... LED light point







*IP43 for installation in closed ceilings only indoor

Specification

Incl. light source: LED, power: 1 W, 30° optical lense incl., material: plastic / aluminium, colour: chrome, installation into suspended ceilings with low installation depth

INDOOR

Drivers see page 628.

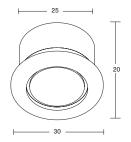
Energy efficiency class: A++ to A

Article-no.	Light colour	Flux	
P3653W	6500 K \bigcirc	60 lm	
P3653 WW	3100 K	40 lm	
P3653B	•		
P3653R	•		
P3653Y			
P3653G			

P3654... LED light point



*IP43 for installation in closed ceilings, only indoor





Specification

Incl. light source: LED, power: 1 W, 10° optical lense incl., material: plastic / aluminium, colour: chrome, installation into suspended ceilings with low installation depth

INDOOR

Drivers see page 628.

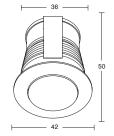
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Light colour	Flux	
P3654W	6500 K \bigcirc	60 lm	
P3654WW	3100 K	40 lm	
P3654B			
P3654R	•		
P3654Y			
P3654G	•		



*IP43 for installation in closed ceilings only indoor





Specification

Incl. light source: LED, power: 1 W, beam angle: 120°, material: stainless steel / glass satin, colour: stainless steel, installation into suspended ceilings by leaf spring fixation

INDOOR

Drivers see page 628.

Energy efficiency class: A++ to A

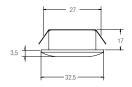
This luminaire contains incorporated and non-exchangeable LED light sources.

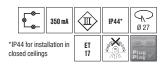
Article-no.	Light colour	Flux	
P3659W	6500 K \bigcirc	60 lm	
P3659WW	3100 K	40 lm	
P3659B			
P3659R			
P3659Y	•		
P3659G	•		

P3659...

12071... LED light point







Specification

Incl. light source: LED, power: 1 W, beam angle: 30° material: aluminium / textured plastic

Drivers see page 628.

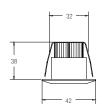
Energy efficiency class: A++ to A

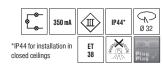
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of housing	Colour temperature
12071023	chrome	3000 K 🔵
12071073	white	3000 K 🔾
12071253	aluminium satin	3000 K 🔵

12070253 LED light point







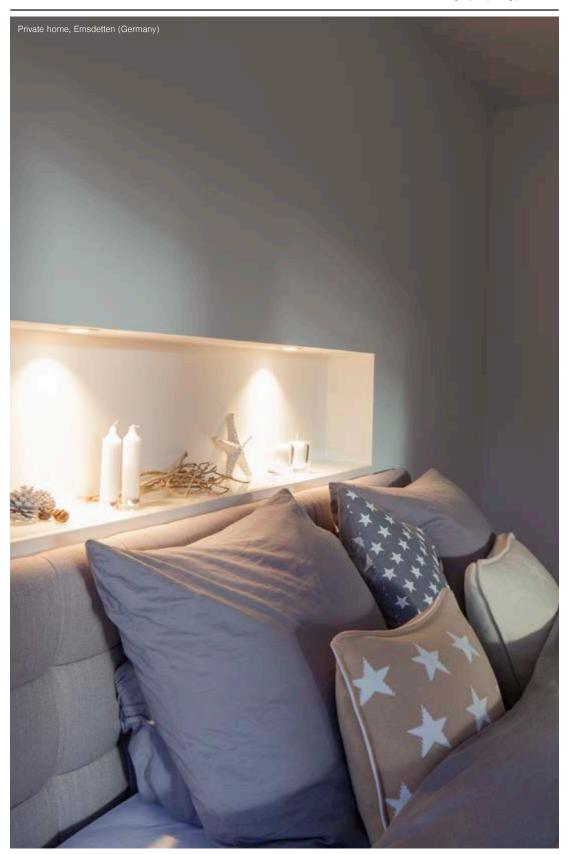
Specification

Incl. light source: LED, power: 1,2W, beam angle: 36° material: aluminium / textured plastic

Drivers see page 628.

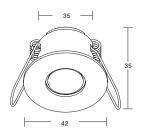
Energy efficiency class: A++ to A

Article-no.	Colour of housing	Colour temperature
12070253	aluminium satin	3000 K 🔵



P3650... LED light point







Specification

Incl. light source: LED, power: 1 W, material: brass / plastic clear, colour: chrome satin, 10° optical lense incl., installation into suspended ceilings by spring fixation

Drivers see page 628.

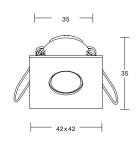
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour temperature	Flux
P3650W	6500 K O	60 lm
P3650WW	3100 K 🔾	40 lm
P3650B		
P3650R	•	
P3650Y		
P3650G	•	

P3651... LED light point







Specification

Incl. light source: LED, power: 1 W, material: brass / plastic clear, colour: chrome satin, 10° optical lense incl., installation into suspended ceilings by spring fixation

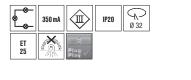
Drivers see page 628.

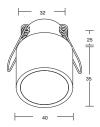
BRUMBERG[®]

Energy efficiency class: A++ to A

Article-no.	Colour temperature	Flux
P3651 W	6500K O	60 lm
P3651 WW	3100 K 🔾	40 lm
P3651B		
P3651R	•	
P3651Y		
P3651G		

P3669... LED effect-light point







Specification

Incl. light source:LED, power 1 W, material: aluminium / acryl, installation into suspended ceilings by spring fixation.

Drivers see page 628.

Energy efficiency class: A++ to A
This luminaire contains incorporated and non-exchangeable LED light sources.

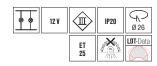
Article-no.	Colour temperature	Flux
P3669W	6500K O	60 lm
P3669WW	3100 K 🔾	40 lm
P3669B		
P3669R	•	
P3669Y		
P3669G	•	



2030... low voltage light spot







Specification

For lamp: 1x G4 QT9, power: max. 20 W material: cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2030.02	chrome
2030.03	chrome satin
2030.05	gold
2030.07	white

0232... low voltage light spot







Specification

For lamp: 1x G4 QT9, power: max. 20 W material: steel

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
0232.02	chrome

0232.03 chrome satin

2020... low voltage light spot







Specification

For lamp: 1x G4 QT9, power: max. 20 W material: brass

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2020.00	brass
2020.02	chrome
2020.03	chrome satin
2020.07	white

12 V IP20 0 26



2031... low voltage light spot



Specification

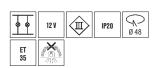
For lamp: 1x G4 QT9, power: max. 10 W material: cast

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
2031.02	chrome
2031.03	chrome satin
2031.05	gold
2031.07	white

0289.00 low voltage light spot







Specification

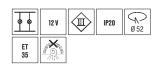
For lamp: 1x G4 QT9, power: max. 20 W, material: steel / crystal glass, colour: chrome frame surface

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
0289.00	chrome

0210.02 low voltage light spot







Specification

For lamp: 1x G4 QT9, power: max. 20 W, material: steel / crystal glass, colour: chrome frame surface

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of housing
0210.02	chrome



recessed

ceiling LED panels



12015073 / 12172073 LED recessed panel









LDT-Data



Base model LED 24 V DC

Incl. light source: SMD-LED, power: 6 W, material: aluminium / plastic, beam angle: 120°

Dimmable drivers see page 640.

Energy efficiency class: A++ to A

Article-No.

This luminaire contains incorporated and none-xchangeable LED light sources.

Colour of housing

12015073 white

367 lm

Colour temperature 3000 K

LED set, including power supply

Incl. light source: SMD-LED and seperate driver for 230 V-connection (I 68 x w 35 x h 21 mm), not dimmable,

power: 6 W, material: aluminium / plastic, beam angle: 120°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12172073	white	3000 K



12016073 / 12173073 LED recessed panel





100 x 100

Base model LED 24 V DC

Incl. light source: SMD-LED, power: 5 W, material: aluminium / plastic, beam angle: 120°

Dimmable drivers see page 640.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature	
12016073	white	3000 K	



LED set, including power supply

Incl. light source: SMD-LED and seperate driver for 230 V-connection (I 68 x w 35 x h 21 mm), not dimmable,

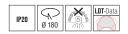
power: 5W, material: aluminium / plastic, beam angle: 120°

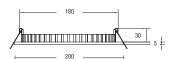
Energy efficiency class: A++ to A

Article-No.	Colour of housing	Colour temperature
12173073	white	3000 K



12017073 / 12174073 LED recessed panel







Base model LED 24 V DC

Incl. light source: SMD-LED, power: 11 W, material: aluminium / plastic, beam angle: 120°.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

LED set, including power supply

Incl. light source: SMD-LED and seperate driver for 230 V-connection (I $145 \times w 55 \times h 19$ mm), power: 11 W, dimmable material: aluminium / plastic, beam angle: 120° .

Energy efficiency class: A++ to A

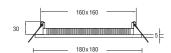
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12017073	white	3000 K

735 lm









Base model LED 24 V DC

Incl. light source: SMD-LED, power: 12 W, material: aluminium / plastic, beam angle: 120°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of housing	Colour temperature
12018073	white	3000 K



LED set, including power supply

Incl. light source: SMD-LED and seperate driver for 230 V-connection (I $145\,x\,w$ $55\,x\,h$ $19\,mm), dimmable,$

power: 12 W, material: aluminium / plastic, beam angle: 120°.

Energy efficiency class: A++ to A

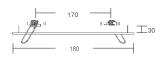
Article-No.	Colour of housing	Colour temperature
12173073	white	3000 K

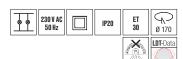
	230 V AC 50 Hz		☆ 735 Im	ET 30	1-10
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3381...

LED recessed panel







Specification

Incl. light source: 90x SMD-LED, power: 10 W, material: aluminium cast / glass satin, colour: silver satin, beam angle: 120°

incl. driver for 230 V-connection (I105 x w 31 x h 25 mm), not dimmable.

Article-no.	Colour temperature	Flux
3381WW	3100 K 🔵	650 lm
3381NW	4200 K	700 lm

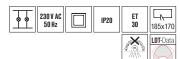
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

3380... LED recessed panel







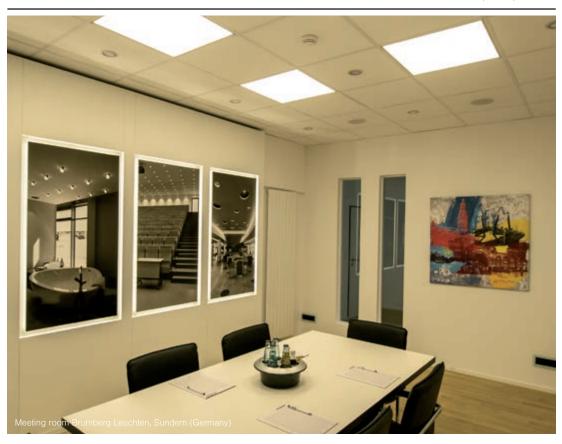
Specification

Incl. light source: 90x SMD-LED, power: 10 W, material: aluminium cast / glass satin, colour: silver satin, beam angle: 120°

incl. driver for 230V-connection (I 105 x w 31 x h 25 mm), not dimmable.

Article-no.	Colour temprature	Flux
3380WW	3100 K	650 lm
3380NW	4200 K	700 lm

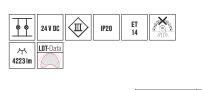
Energy efficiency class: A++ to A



⊥14

622x622 -

12030... LED recessed Panel





Specification

Incl. light source: 372x SMD-LED, Material: aluminium / plastic satin.

Suitable for grid ceiling 625 x 625 mm

Driver see page 641.

Energy efficiency class: A++ to A

Article-no.	Colour of housing	Power	Colour temperature	Beam angle
12030003	silver satin	48 W	3000 K	120°
12030005	silver satin	48 W	6500 K	120°



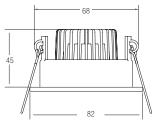
recessed

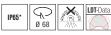
high degree of protection indoor



12353... / 33353... LED recessed spots







* IP65 for installation in closed ceilings



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6 W, beam angle: 38°, material: aluminium / caoutchouc / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	
12353073	white	3000 K	
12353253	alu satin	3000 K	



LED-set, including driver

Incl. light source: 1 x LED, power: 6 W, beam angle: 38°, material: aluminium / caoutchouc / clear glass, incl. driver for 230 V-connection, dimensions of driver: I 100 x w 38 x h 22 mm

Energy efficiency class: A++ to A

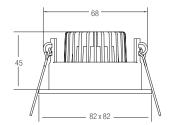
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
33353073	white	3000 K
33353253	alu satin	3000 K



12355... / 33355... LED recessed spots







* IP65 for installation in closed ceilings



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6 W, beam angle: 38°, material: aluminium / caoutchouc / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12355073	white	3000 K
12355253	alu satin	3000 K



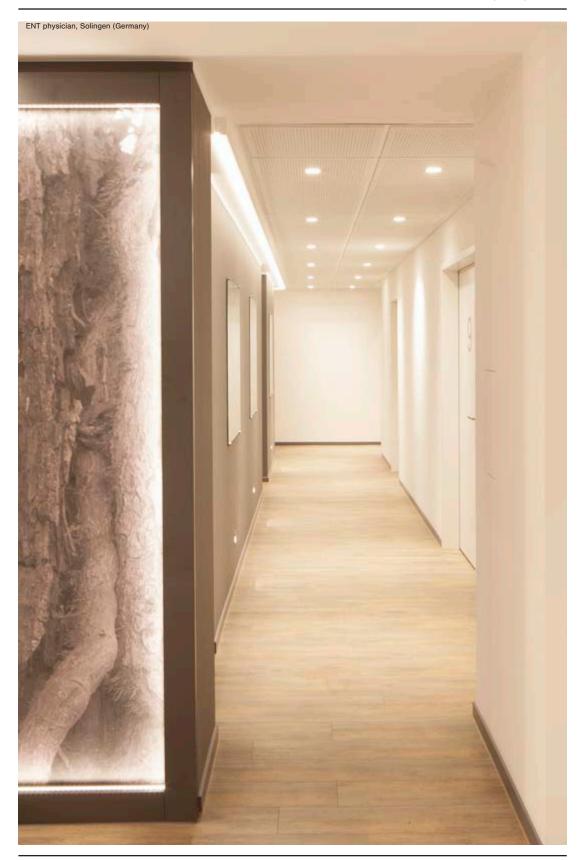
LED-set, including driver

Incl. light source: 1 x LED, power: 6 W, beam angle: 38°, material: aluminium / caoutchouc / clear glass, incl. driver for 230 V-connection, dimensions of driver: I 100 x w 38 x h 22 mm

Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temperature
33355073	white	3000 K
33355253	alu satin	3000 K

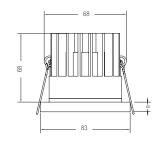


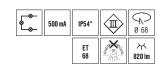


12270...

LED recessed spots







* IP54 if installed in closed ceilings

Specification

Incl. light source: 1 x LED, power: 9.2 W, beam angle: 33°, material: aluminium / clear glass

Driver see page 633.

Energy efficiency class: A++ to A

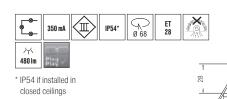
Article-No.	Colour of cabinet	Colour temperature
12270173	textured white	3000 K
12270183	textured black	3000 K



12270183



12273073 LED recessed spot





Specification

Incl. light source: 1 x LED, power: 6.3 W, beam angle: 25°, material: aluminium / clear glass

Driver see page 628.

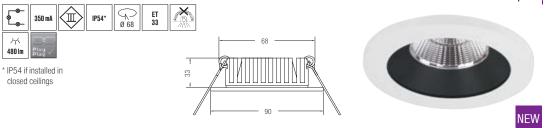
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No. Colour of cabinet Colour temperature

12273073 white 3000 K

12274553 LED recessed spot



Specification

Incl. light source: 1 x LED, power: 6.3 W, beam angle: 25° material: aluminium / clear glass

Driver see page 628.

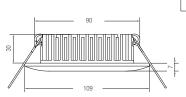
Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temperature	
12274553	white / black	3000 K	

12366073

LED recessed spot















750 lm * IP54 if installed in

closed ceilings



Specification

Incl. light source: 1 x LED, power: 10 W, material: aluminium / platic satin

Driver see page 628.

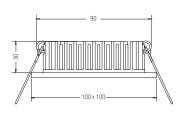
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No. Colour of cabinet Colour temperature 12366073 white $3000\,\mathrm{K}$

12367073 LED recessed spot













* IP54 if installed in closed ceilings

Specification

Incl. light source: 1 x LED, power: 10 W, material: aluminium / platic satin

Driver see page 628.

Energy efficiency class: A++ to A

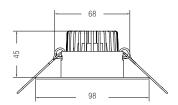
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No. Colour of cabinet Colour temperature 12367073 white 3000 K

13006... LED recessed spots



* IP44 if installed in closed ceilings





Specification

Incl. light source: 1 x LED, power: 6 W, beam angle: 25° , material: brass / aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

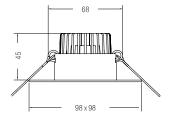
Article-No.	Colour of cabinet	Colour temperature
13006023	chrome	2700 K
13006033	chrome satin	2700 K

modular construction: further light colors and power outputs are available on demand

13007... LED recessed spots



* IP44 if installed in closed ceilings





Specification

Incl. light source: LED, power: 6 W, beam angle: $25^\circ,$ material: brass /aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

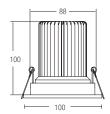
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
13007023	chrome	2700K
13007033	chrome satin	2700 K

modular construction: further light colors and power outputs are available on demand

12026073 / 33026073 LED recessed spots







* IP54 if installed in closed ceilings

Base model LED 700mA

Incl. light source: 1 x LED, power: 15 W, beam angle: 25°, material: aluminium / steel / clear glass

Dimmable driver see page 635

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12026073	white	3000 K
├		T N

100

933 lm

LED-Set, including driver

Incl. light source: 1 x LED, power: 15 W, beam angle: 25°, material: aluminium / steel / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 141 x breadth 43 x height 30mm

Energy efficiency class: A++ to A

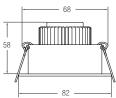
Article-no.	Colour of cabinet	Colour temperature
33026073	white	3000 K
230	OV AC ET 100	933 lm



12266... LED recessed spots



* IP54 if installed in closed ceilings





Specification

Incl. light source: LED, power: 6,6 W, material: aluminium / clear glass

 Article-no.
 Colour of cabinet
 Colour temperature
 Beam angle

 12266073
 white
 2700 K ○
 38°

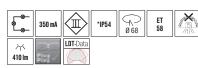
 12266083
 black
 2700 K ○
 38°

Driver see page 628.

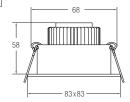
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12267... LED recessed spots



* IP54 if installed in closed ceilings





Specification

Incl. light source: LED, power: 6,6 W, material: aluminium / clear glass

Driver see page 628.

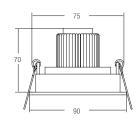
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Colour temperature	Beam angle
12267073	white	2700 K 🔵	38°
12267083	black	2700 K	38°

12268...

LED recessed spots







* IP65 if installed in closed ceilings

Specification

Incl. light source: LED, power: 6,6 W, material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

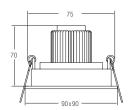
This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of cabinet	Colour temperature	Beam angle
12268073	white	2700 K	38°
12268683	silver	2700 K	38°
12268153	nickel satin	2700 K	38°

Modular construction: further light colors and power outputs are available on demand

12269... LED recessed spots







* IP65 if installed in closed ceilings

Specification

Incl. light source: LED, power: 6,6 W, material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

Article-no.	Colour of cabinet	Colour temperature	Beam angle
12269073	white	2700 K	38°
12269683	silver	2700 K	38°
12269153	nickel satin	2700 K	38°

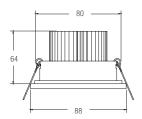
Modular construction: further light colors and power outputs are available on demand

12033023 / 33033023 LED recessed spots











Base model LED 700 mA

Incl. light source: LED, power: 7 W, material: aluminium / glass partially satin

Dimmable driver see page 635

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Design by BCM Lighting

Colour of Colour Article-no. temperature 12033023 chrome



LED-Set, including driver

Incl. light source: LED, power: 7 W, material: aluminium / partially glass, incl. driver for 230 V-connection, not dimmable, dimension driver: L 68 x B 35 x H 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Design by BCM Lighting

Article-no.	Colour of cabinet	Colour temperature		
	33033023	chrome	3000 K	



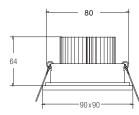








9-Ø 80





12034023 / 33034023 LED recessed spots

Base model LED 700 mA

Incl. light source: LED, power: 7 W. material: aluminium / glass partially satin

Dimmable driver see page 635

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Design by BCM Lighting

Article-no.	Colour of cabinet	Colour temperature
12034023	chrome	3000 K



LED-Set, including driver

Incl. light source: LED, power: 7 W, material: aluminium / glass partially satin, incl. driver for 230 V-connection, not dimmable, dimension driver: L 68 x B 35 x H 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Design by BCM Lighting

Article-no.	Colour of cabinet	Colour temperature
33034023	chrome	3000 K

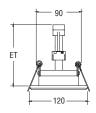






37003250 / 12152253 / 33152253 Recessed spots















IP44 if installed in closed ceilings

Base model for high-voltage

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, material: aluminium / clear glass, HV-clamp included

Energy efficiency class: A++ to E

Colour of cabinet Article-no. 37003250 alu satin







ET 130

Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature 12152253 alu satin 2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

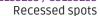
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature 33152253 alu satin 2700 K

Modular construction: further light colors and power outputs are available on demand

230 V AC 50 Hz 410 lm

37004250 / 12153253 / 33153253





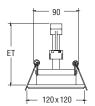














Base model for high-voltage

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, material: aluminium / clear glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of cabinet 37004250 alu satin



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12153253	alu satin	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

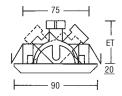
Article-no.	Colour of cabinet	Colour temperature
33153253	alu satin	2700 K

Modular construction: further light colors and power outputs are available on demand



2188.25 / 12302253 / 33302253 Recessed spots















in closed ceilings

Base model for low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: aluminium / clear glass

Driver see page 645.

Energy efficiency class: A to C

Colour of cabinet Article-no. 2188.25 alu satin



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver on page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand

Article-no.	Colour of cabinet	Colour temperature
12302253	alu satin	2700 K



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

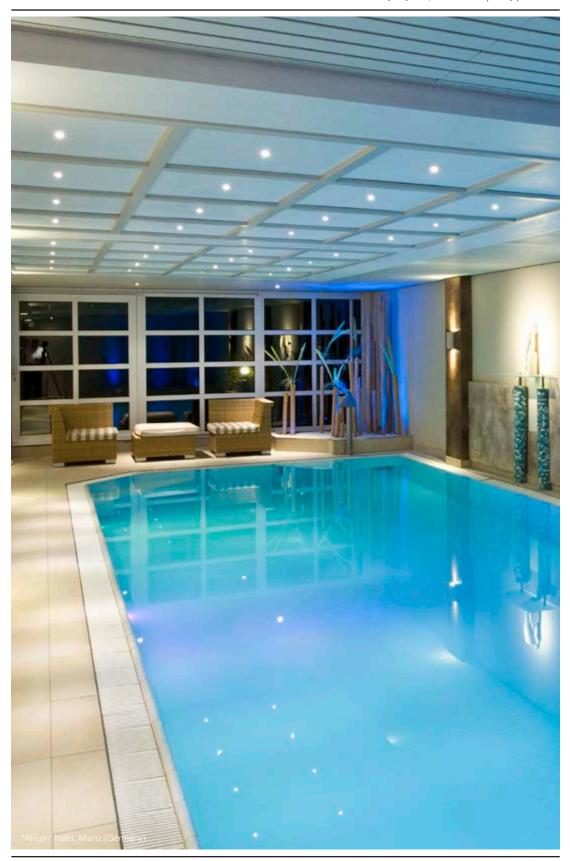
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand

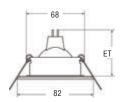
Article-no.	Colour of cabinet	Colour temperature
33302253	alu satin	2700 K





26004220 / 36004220 / 12004223 / 33004223 recessed spots AISI 316 stainless steel













* IP54 if installed in closed ceilings

Base model for low-voltage

For lamp: 1 x GX5,3 QRC51, power: max. 50 W, material: AISI 316 stainless steel / clear glass

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet
26004220 stainless steel



Base model for high-voltage spot for retrofit

For lamp: 1 x GU10 QPAR51, power: max. 50 W, HV-clamp included, material: AISI 316 stainless steel / clear glass

Energy efficiency class: A++ to E

Article-no. Colour of cabinet

36004220 stainless steel



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature

12004223 stainless steel 2700 K

Modular construction: further light colors and





LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Articleno. Colour of cabinet Colour temperature

33004223 stainless steel 2700 K

Modular construction: further light colors and power outputs are available on demand

26005220 / 36005220 / 12005223 / 33005223 recessed spots AISI 316 stainless steel





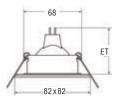








* IP54 if installed in closed ceilings





Base model for low-voltage

For lamp: 1 x GX5.3 QRC51, power: max, 50 W. material: AISI 316 stainless steel / clear glass

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 26005220 stainless steel











Base model for high-voltage spot for retrofit

For lamp: 1 x GU10 QPAR51, power: max, 50 W. HV-clamp included, material: AISI 316 stainless steel / clear glass

Energy efficiency class: A++ to E

Article-no. Colour of cabinet

36005220 stainless steel









Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°; material: AISI 316 stainless steel / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.

Colour of cabinet

Colour temperature

12005223 stainless steel

2700 K



Modular construction: further light colors and power outputs are available on demand













LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.

Colour of cabinet

Colour temperature

33005223 stainless steel

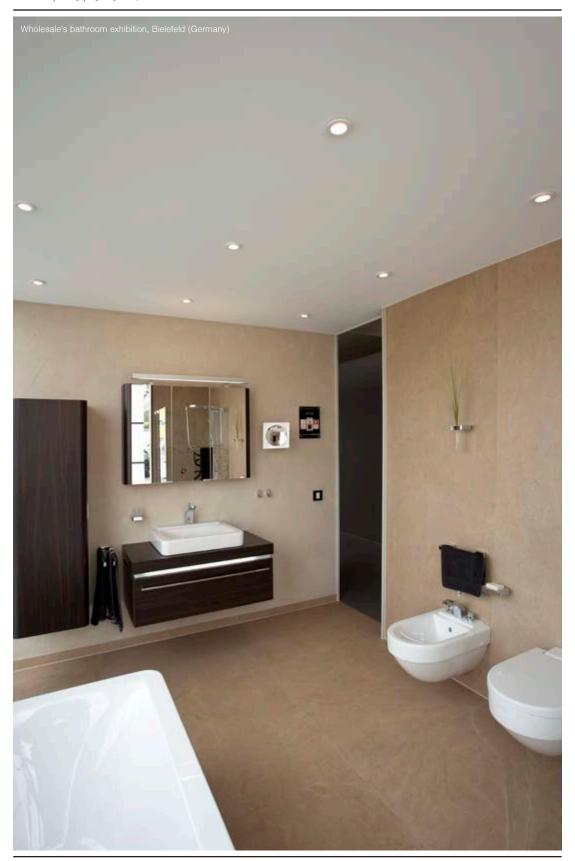
Modular construction: further light colors and power outputs are available on demand







410 lm



2062... / 36149... / 12149... / 33149... recessed spots



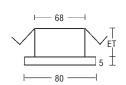














Base model for low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: cast / glass frosted

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet	
2062.02	chrome	
2062.07	white	
2062.25	alu satin	









Base model for high-voltage spot for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, material: cast / glass frosted, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36149020	chrome
36149070	white
36149250	alu satin









Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: cast / glass frosted

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12149023	chrome	2700 K
12149073	white	2700 K
12149253	alu satin	2700 K

Modular construction: further light colors and power outputs are available on demand

















Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: cast / glass frosted, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33149023	chrome	2700 K
33149073	white	2700 K
33149253	alu satin	2700 K

Modular construction: further light colors and power outputs are available on demand



2339.42 / 36306420 / 12306423 / 33306423 recessed spots AISI 316 stainless steel















IP65 if installed in closed ceilings

Base model for low-voltage

For low voltage lamp: 1 x GX5.3 QRCBC51, power: max. 50 W. material: AISI 316 stainless steel / glass frosted

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 2339.42 stainless steel



Base model for high-voltage spot for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power; max, 50 W. material: AISI 316 stainless steel / glass frosted, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of cabinet 36306420 stainless steel



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / glass frosted

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	
12306423	stainless steel	2700 K	

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / glass frosted, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33306423	stainless steel	2700 K

Modular construction: further light colors and power outputs are available on demand

230 V AC 50 Hz	ET 90	→≺ 410 lm

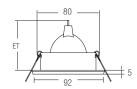
37001... / 36156... / 12156... / 33156... recessed spots



* IP65 if installed in closed ceilings

Advice

Natural colour-changing for copper-version.





Base model for low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: AISI 316 stainless steel / clear glass or copper/ clear glass

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
37001190	copper
37001200	stainless steel clear powdered



* only: 37001200

Base model for high-voltage spot for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 35 W, material: AISI 316 stainless steel / clear glass or copper / clear glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36156190	copper
36156200	stainless steel clear powdered



* only: 36156200

Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38° , material: AISI 316 stainless steel / clear glass or copper / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12156193	copper	2700 K
12156203	stainless steel clear powdered	2700 K

Modular construction: further light colors and power outputs are available on demand









LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass or copper / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	
33156193	copper	2700 K	
33156203	stainless steel clear powdered	2700 K	

Modular construction: further light colors and power outputs are available on demand

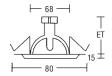


* only: 33156203

2178... / 12301... / 33301...

recessed spots















IP44 if installed in closed ceilings

Base model for low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: aluminium / clear glass

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2178.02	chrome
2178.05	gold
2178.25	alu satin



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable dirver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	Colour temperature	
12301023	chrome	2700 K	0	
12301053	gold	2700 K		
12301253	alu satin	2700 K		

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	е
33301023	chrome	2700 K	0
33301053	gold	2700 K	
33301253	alu satin	2700 K	

•	230 V AC 50 Hz	ET 65	≻ ≺ 410 lm

12199253 / 33199253 / 2162.25 recessed spots



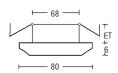








* IP44 if installed in closed ceilings





Base model for low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: aluminium / clear glass

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2162.25	alu satin











Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium cast / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12199253	alu satin	2700 K

Modular construction: further light colors and power outputs are available on demand













Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium cast / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: length 68 x breadth 35 x height 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

LED-Set, including driver

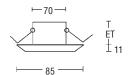
Article-no.	Colour of cabinet	Colour temperature
33199253	alu satin	2700 K



2671.02 / 12151023 / 33151023

recessed spots















in closed ceilings

Base model for low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: aluminium / glass frosted

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 2671.02 chrome











Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand

Article-no.

Colour of cabinet

Colour temperature

12151023 chrome

2700 K

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V connection, not dimmable, dimension driver: 168 x b 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further light colors and power outputs are available on demand

Article-no.

Colour of cabinet

Colour temperature

33151023 chrome

2700 K

















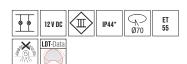




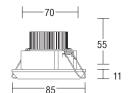




R7104... LED recessed spots



* IP44 if installed in closed ceilings





Specification

Incl. light source: LED, power: 4,3W, material: aluminium / aluminium cast / plastic / clear glass

Driver see page 644.

Energy efficiency class: A++ to A

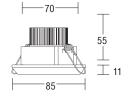
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour tem	perature	Flux	Lense
R7104NW2	chrome	4100 K	•	240 lm	25°
R7104NW4	chrome	4100 K		233 lm	45°
R7104NW6	chrome	4100 K		230 lm	60°
R7104W2	chrome	6500 K		259 lm	25°
R7104W4	chrome	6500 K		247 lm	45°
R7104W6	chrome	6500 K		241 lm	60°
R7104WW2	chrome	3000 K		145 lm	25°
R7104WW4	chrome	3000 K		142 lm	45°
R7104WW6	chrome	3000 K		139 lm	60°

R2671... LED recessed spots



* IP44 if installed in closed ceilings





Specification

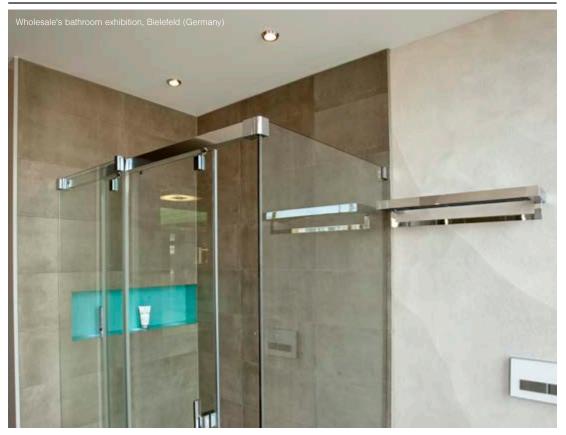
Incl. light source: LED, power: 3,3W, material: aluminium / aluminium cast / plastic / clear glass

Driver see page 628.

Energy efficiency class: A++ to A

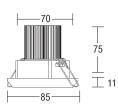
This luminaire contains incorporated and non-exchangeable LED light sources.

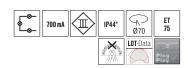
Article-no.	Colour of cabinet	Colour temperature	Flux	Lense
R2671NW2	chrome	4100 K	240 lm	25°
R2671NW4	chrome	4100 K	233 lm	45°
R2671NW6	chrome	4100 K	230 lm	60°
R2671W2	chrome	6500 K	259 lm	25°
R2671W4	chrome	6500 K	247 lm	45°
R2671W6	chrome	6500 K	241 lm	60°
R2671WW2	chrome	3000 K	145 lm	25°
R2671WW4	chrome	3000 K	142 lm	45°
R2671WW6	chrome	3000 K	139 lm	60°



R7101... LED recessed spots







* IP44 if installed in closed ceilings

Specification

Incl. light source: LED, power: 6,7 W, material: aluminium / aluminium cast / plastic / clear glass

Driver see page 634.

Energy efficiency class: A++ to A

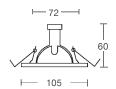
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	Flux	Lens
R7101NW2	chrome	4100 K	240 lm	25°
R7101NW4	chrome	4100 K	233 lm	45°
R7101NW6	chrome	4100 K	230 lm	60°
R7101W2	chrome	6500K	259 lm	25°
R7101W4	chrome	6500 K \bigcirc	247 lm	45°
R7101W6	chrome	6500 K	241 lm	60°
R7101WW2	chrome	3000 K	145 lm	25°
R7101WW4	chrome	3000 K	142 lm	45°
R7101WW6	chrome	3000 K	139 lm	60°

2310.22 low-voltage spot



* IP54 if installed in closed ceilings





Specification

For low voltage lamp: 1 x GX5,3 QRC51, power: max. 50 W, material: AISI 316 stainless steel / clear glass

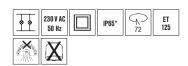
Driver see page 645.

Energy efficiency class: A to C

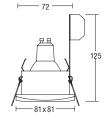
Article-no. Colour of cabinet

2310.22 stainless steel

37002150 high-voltage spot



* IP65 if installed in closed ceilings





Specification

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, material: steel / cast / clear glass

Energy efficiency class: A++ to E

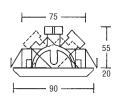
Article-no. Colour of cabinet

nickel satin

37002150

2160 Low - voltage spots







* P44 - if installed in closed ceilings

Specification

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: aluminium / glass frosted

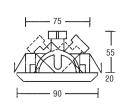
Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2160.02	chrome
2160.25	alu satin

2180.25 Spot - enhanced IP rating







* IP44 if installed in closed ceilings

Specification

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 35 W, material: aluminium / glass frosted

Driver see page 645.

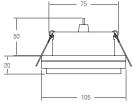
Energy efficiency class: A to C

Article-no.	Colour of cabinet
2180.25	alu satin

22007020 Recessed ceiling luminare



* IP44 if installed in closed ceilings





Specification

For lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: cast / clear glass

Driver see page 645.

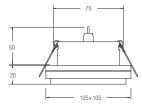
Energy efficiency class: A to C

Article-no.	Colour of cabinet
22007020	chrome

22008020 Recessed ceiling luminare









Specification

For lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: cast / clear glass

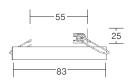
Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
22008020	chrome

2274.22 Low - voltage spot







in closed ceilings

only for indoor

Specification

For low voltage lamp: 1 x G4 QT9, power: max. 20 W, material: stainless steel / glass frosted

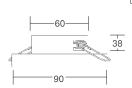
Driver see page 645.

Energy efficiency class: A+ to C

Article-no. Colour of cabinet 2274.22 stainless steel

2674.22 Low - voltage spot







* IP44 if installed in closed ceilings

only for indoor

Specification

For low voltage lamp: 1 x G4 QT9, power: max. 20 W, material: stainless steel / glass frosted

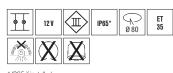
Driver see page 645.

BRUMBERG[®]

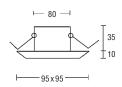
Energy efficiency class: A+ to C

Article-no. Colour of cabinet 2674.22 glass frosted

2289... Low - voltage spots









Specification

For low voltage lamp: 1x GY6,35 QT12, power: max. 35 W, material: cast / glass frosted $\,$

Driver see page 645.

Energy efficiency class: A+ to C

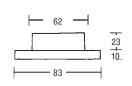
Article-no.	Colour of cabinet
2289.02	chrome
2289.15	nickel satin

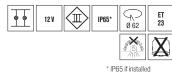


1055...

Low - voltage spots







in closed ceilings

screw mounting

Specification

For low voltage lamp: 1 x G4 QT9, power: max. 20 W, material: brass / stainless steel / glass frosted

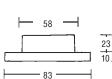
Driver see page 645.

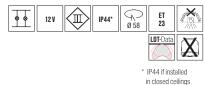
Energy efficiency class: A+ to C

Article-no. Colour of cabinet 1055.07 white 1055.22 stainless steel

1355... Low - voltage spots







clip mounting

Specification

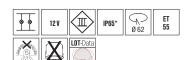
For low voltage lamp: 1 x G4 QT9, power: max. 20 W, material: brass / stainless steel / glass frosted

Driver see page 645.

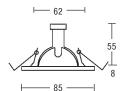
Energy efficiency class: A+ to C

Article-no.	Colour of cabinet
1355.00	brass
1355.02	chrome
1355.07	white
1355.22	stainless steel

2264.22 | Low - voltage spot



* IP65 if installed in closed ceilings





Specification

For low voltage lamp: 1x QRCBC51, power: max. 35 W, material: stainless steel / glass frosted

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2264.22	stainless steel





recessed

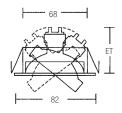
ceiling stainless steel



1180.22 / 36147220 / 12147223 / 33147223

Spot - stainless steel for outdoor use







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: AISI 316 stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1180.22	stainless steel



Base model high-voltage for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: AISI 316 stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of cabinet 36147220 stainless steel



Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass

Dimmable drivers on page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12147223	stainless steel	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33147223	stainless steel	2700 K



1181.22 / 36148220 / 12148223 / 33148223 Spot - stainless steel for outdoor use

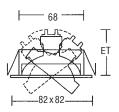














Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: AISI 316 stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1181.22	stainless steel













Base model high-voltage for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: AISI 316 stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of cabinet 36148220 stainless steel









125

Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass

Dimmable drivers on page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12148223	stainless steel	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

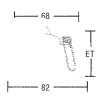
Article-no.	Colour of cabinet	Colour temperature	
33148223	stainless steel	2700 K)



2337.42 / 36195420 / 12195423 / 33195423

Spot - stainless steel for outdoor use







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: AISI 316 stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2337.42	stainless steel



Base model high-voltage for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: AISI 316 stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36195420	stainless steel



Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12195423	stainless steel	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: AISI 316 stainless steel / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

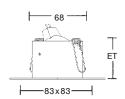
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	
33195423	stainless steel	2700 K	



2338.42 / 36196420 / 12196423 / 33196423 Spot - stainless steel for outdoor use







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: AISI 316 stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2338.42	stainless steel



Base model high-voltage for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: AISI 316 stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36196420	stainless steel



Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° , material: AISI 316 stainless steel

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12106/22	etainlace etaal	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1x LED, power: $6,6\,\text{W}$, beam angle: 38° , material: AlSI 316 stainless steel / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: $168\,\text{x}\,\text{w}\,35\,\text{x}\,\text{h}\,21\text{mm}$

Energy efficiency class: A++ to A

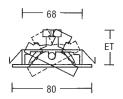
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33196423	stainless steel	2700 K



1925... / 36145... / 12145... / 33145... Recessed spot







Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1925.20	stainless steel clear powdered
1925.22	stainless steel
1925.27	stainless steel white powdered



Base model high-voltage for retrofit

For high voltage lamp: 1x GU10 QPAR51, power: max. 50 W, material: stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36145200	stainless steel clear powdered
36145220	stainless steel
36145270	stainless steel white powdered



Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12145203	stainless steel clear powdered	2700K 🔵
12145223	stainless steel	2700K
12145273	stainless steel white powdered	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38° material: stainless steel / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	ıre
33145203	stainless steel clear powdered	2700 K	
33145223	stainless steel	2700 K	
33145273	stainless steel white powdered	2700 K	



1996.22 / H1996.22 / 12182223 / 33182223



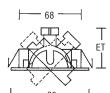














Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1996 22	stainless steel











Base model high-voltage for retrofit

For high voltage lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet	
H1996 22	stainless steel	











Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12182223	stainless steel	2700 K

Modular construction: further light colors and power outputs are available on demand

















LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

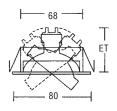
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33182223	stainless steel	2700 K



2191... / H2191... / 12194... / 33194... Recessed spot













Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2191.07	white
2191.20	stainless steel clear powdered
210122	etainless steel











FT



Base model high-voltage for retrofit

For high voltage lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
H2191.07	white
H2191.20	stainless steel clear powdered
H2191.22	stainless steel









Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperati	ıre
12194073	white	2700 K	
12194203	stainless steel clear powdered	2700 K	
12194223	stainless steel	2700 K	

Modular construction: further light colors and power outputs are available on demand

















LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	ire
33194073	white	2700 K	
33194203	stainless steel clear powdered	2700 K	
33194223	stainless steel	2700 K	











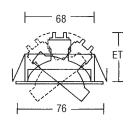
1191... / H1191... / 12193... / 33193... Recessed spot













Base model low-voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1191.07	white
1191.20	stainless steel clear powdered
1191 22	stainless steel















Base model high-voltage for retrofit

For high voltage lamp: 1x GZ10 QPAR-CB51, power: max. 50 W, material: stainless steel, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
H1191.07	white
H1191.20	stainless steel clear powdered
H1191.22	stainless steel











Base model LED 350mA

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	re
12193073	white	2700 K	
12193203	stainless steel clear powdered	2700 K	
12103223	etainless steel	2700 K	

Modular construction: further light colors and power outputs are available on demand

















LED-Set, including driver

Incl. light source: 1x LED, power: 6,6 W, beam angle: 38°, material: stainless steel / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	ıre
33193073	white	2700 K	
33193203	stainless steel clear powdered	2700 K	
33193223	stainless steel	2700 K	









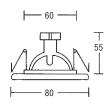




2190...

Recessed low - voltage spot







Specification

For low voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: stainless steel

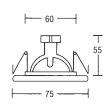
Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2190.07	white
2190.20	stainless steel clear powdered
2190.22	stainless steel

1190... Recessed low - voltage spot







Specification

For low voltage lamp: 1x GX5,3 QRC51, power: max. 50 W, material: stainless steel

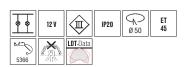
Driver see page 645.

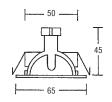
Energy efficiency class: A to C

Article-no.	Colour of cabinet
1190.07	white
1190.20	stainless steel clear powdered
1190.22	stainless steel



1192... Recessed low - voltage spot







Specification

For low voltage lamp: 1x GZ4 QRBC35, power: max. 20 W, material: stainless steel

Driver see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour of cabinet
1192.20	stainless steel clear powdered
1192.22	stainless steel



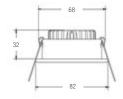
recessed

ceiling low installation depth



12261... / 12361... / 33261... / 33361... / 34261... / 34361... LED recessed spots







Base model LED 350 mA

Incl. light source: 1 x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	Flux
12261023	chrome	2700 K	710 lm
12261073	white	2700 K	710 lm
12261253	alu satin	2700 K	710 lm
12261633	champagne satin**	2700 K	710 lm
12261643	titanium satin	2700 K	710 lm
12361023	chrome	3000 K	750 lm
12361073	white	3000 K	750 lm
12361253	alu satin	3000 K	750 lm
12361633	champagne satin**	3000 K	750 lm
12361643	titanium satin	3000 K	750 lm

**as shown in picture



LED set, including driver

Incl. light source: 1 x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38°, incl. driver for 230 V-connection, not dimmable, dimensions of driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	Flux
33261023	chrome	2700 K 🔵	710 lm
33261073	white	2700 K 🔵	710 lm
33261253	alu satin	2700 K	710 lm
33261633	champagne satin**	2700 K 🔵	710 lm
33261643	titanium satin	2700 K	710 lm
33361023	chrome	3000 K O	750 lm
33361073	white	3000 K	750 lm
33361253	alu satin	3000 K	750 lm
33361633	champagne satin**	3000 K	750 lm
33361633	titanium satin	3000 K O	750 lm



included in the set

LED set, including driver, dimmable

Incl. light source: 1 x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38°, incl. driver for 230 V-connection, dimmable, dimensions of driver: I 122 x w 39 x h 18 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

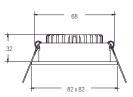
Article-No.	Colour of cabinet	Colour temperature	Flux
34261023	chrome	2700 K	710 lm
34261073	white	2700 K 🔵	710 lm
34261253	alu satin	2700 K	710 lm
34261633	champagne satin**	2700 K	710 lm
34261643	titanium satin	2700 K	710 lm
34361023	chrome	3000 K	750 lm
34361073	white	3000 K	750 lm
34361253	alu satin	3000 K	750 lm
34361633	champagne satin**	3000 K	750 lm
34361643	titanium satin	3000 K	750 lm



*for the luminaire included in the set

12262... / 12362... / 33262... / 33362... / 34262... / 34362... LED recessed spots







New Colours

Base model LED 350 mA

Incl. light source: 1 x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	Flux
12262023	chrome	2700 K 🔵	710 lm
12262073	white	2700 K 🔵	710 lm
12262253	alu satin	2700 K 🔵	710 lm
12262633	champagne satin	2700 K 🔵	710 lm
12262643	titanium satin**	2700 K	710 lm
12362023	chrome	3000 K 🔾	750 lm
12362073	white	3000 K	750 lm
12362253	alu satin	3000 K	750 lm
12362633	champagne satin	3000 K	750 lm
12362643	titanium satin**	3000 K	750 lm

**as shown in picture













LED set, including driver

Incl. light source: 1 x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38° , incl. driver for 230 V-connection, not dimmable, dimensions of driver: I $68 \times w 35 \times h 21 \text{ mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	Flux
33262023	chrome	2700 K	710 lm
33262073	white	2700 K	710 lm
33262253	alu satin	2700 K	710 lm
33262633	champagne satin	2700 K	710 lm
33262643	titanium satin**	2700 K	710 lm
33362023	chrome	3000 K	750 lm
33362073	white	3000 K	750 lm
33362253	alu satin	3000 K	750 lm
33362633	champagne satin	3000 K	750 lm
33362643	titanium satin**	3000 K	750 lm













*for the luminaire included in the set

LED set, including driver, dimmable

Incl. light source: 1 x LED, power: 7 W, material: aluminium / clear glass, beam angle: 38° , incl. driver for 230 V-connection, dimmable, dimensions of driver: I $122 \times w 39 \times h 18 \text{ mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No. Colour of cabi		Colour temperature		Flux
34262023	chrome	2700 K		710 lm
34262073	white	2700 K		710 lm
34262253	alu satin	2700 K		710 lm
34262633	champagne satin	2700 K		710 lm
34262643	titanium satin**	2700 K		710 lm
34362023	chrome	3000 K		750 lm
34362073	white	3000 K		750 lm
34362253	alu satin	3000 K		750 lm
34362633	champagne satin	3000 K		750 lm
34362643	titanium satin**	3000 K		750 lm







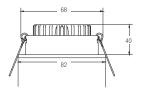


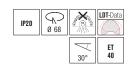


*for the luminaire included in the set

12251... / 33251... LED recessed spots







Base model LED 350 mA

Incl. light source: 1 x LED, power: 3 W, beam angle: 38°, material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12251023	chrome	2700 K
12251073	white	2700 K
12251253	alu satin	2700 K
12251633	champagne satin	2700 K
12251643	titanium satin	2700 K



LED set, including driver

Incl. light source: 1 x LED, power: 3 W, beam angle: 38°, material: aluminium / clear glass,

beam angle: 38°, incl. driver for 230 V-connection, not dimmable, dimensions of driver: I $68 \, x \, w \, 35 \, x \, h \, 21 \, mm$

Energy efficiency class: A++ to A

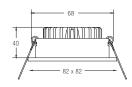
This luminaire contains incorporated and non-exchangeable LED light sources. Article-No. Colour of cabinet Colour temperature

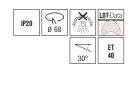
33251023	chrome	2700 K	
33251073	white	2700 K	
33251253	alu satin	2700 K	
33251633	champagne satin	2700 K	
33251643	titanium satin	2700 K	



12252... / 33252... LED recessed spots







Base model LED 350 mA

incl. light source: 1 x LED, power: 3 W, beam angle: 38° material: aluminium / clear glass

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12252023	chrome	2700 K
12252073	white	2700 K
12252253	alu satin	2700 K
12252633	champagne satin	2700 K
12252643	titanium satin	2700 K



LED set, including driver

incl. light source: 1 x LED, power: 3 W, beam angle: 38°,

material: aluminium / clear glass,

beam angle: 38°, incl. driver for 230 V-connection, not dimmable,

dimensions of driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-Ivo.	Colour of cabinet	Colour temperature
33252023	chrome	2700 K
33252073	white	2700 K
33252253	alu satin	2700 K
33252633	champagne satin	2700 K
33252643	titanium eatin	2700 K





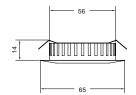


for the luminaire included in the set

12109... LED recessed furniture spot



*IP44 if installed in closed ceilings





Specification

Incl. light source: 1x LED, power 3.4 W, beam angle: 60° , material: diecast zinc / plastic satin, with 2,000 mm supply line

Driver see page 643.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12109023	chrome	3000 K
12109153	nickel satin	3000 K

Equipment base element (height 15 mm)

81019020 chrome 81019150 nickel satin

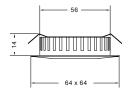




12110... LED recessed furniture spot



*IP44 if installed in closed ceilings





Specification

Incl. light source: 1x LED, power 3.4 W, beam angle: 60° , material: diecast zinc/ plastic satin, with 2,000 mm supply line

Driver see page 643.

Energy efficiency class: A++ to A

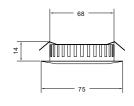
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12110023	chrome	3000 K
12110157	nickel satin	3000 K

12127...

LED recessed furniture spot







*IP44 if installed in closed ceilings

Specification

Incl. light source: 1 x LED, power 5 W, beam angle: 60°, material: diecast aluminium / plastic satin, with 2,000 mm supply line

Driver see page 643.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12127023	chrome	3000 K
12127153	nickel satin	3000 K

Accessories bottom-mounted housing (height 15mm)

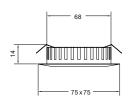
Article-No.	Colour of cabinet	Price €
81029020	chrom	12.40
81029150	nickel satin	12.40





12128... LED recessed furniture spot







*IP44 if installed in closed ceilings

Specification

Incl. light source: 1 x LED, power 5 W, beam angle: 60°, material: diecast aluminium / plastic satin, with 2,000 mm supply line

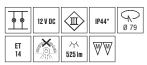
Driver see page 643.

Energy efficiency class: A++ to A

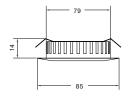
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12128023	chrome	3000 K
12128153	nickel satin	3000 K

12129... LED recessed furniture spot



*IP44 if installed in closed ceilings





Specification

Incl. light source: 1 x LED, power 7,5 W, beam angle: 60° , material: diecast aluminium / plastic satin, with 2,000 mm supply line

Driver see page 643.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12129023	chrome	3000 K
12129153	nickel satin	3000 K

Accessories bottom-mounted housing (height 15mm)

Article-No.	Colour of cabinet	Price €
81039020	chrome	14.70
81039150	nickel satin	14.70

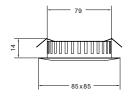




12130... LED recessed furniture spot



*IP44 if installed in closed ceilings





Specification

Incl. light source: 1 x LED, power 7,5 W, beam angle: 60° , material: diecast aluminium / plastic satin, with 2,000 mm supply line

Driver see page 643.

Energy efficiency class: A++ to A

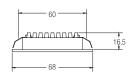
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12130023	chrome	3000 K
12130153	nickel satin	3000 K

12090....

LEDrecessed furniture spot







Specification

Incl. light source: 1 x LED, power: 3 W, beam angle: 150°, material: aluminium / plastic

Driver see page 628.

Energy efficiency class: A++ to A

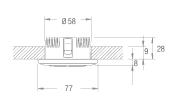
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12090073	white	3000 K
12090083	black	3000 K
12090623	polished brushed aluminium	3000 K

12091263

Recessed LED furniture spot







Specification

Incl. light source: LED, power 3,7 W, beam angle: 50°, material: aluminium / plastic

Driver see page 643.

Energy efficiency class: A++ to A

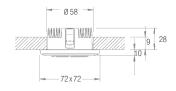
This luminaire contains incorporated and non-exchangeable LED light sources.

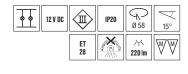
Article-no. Colour of cabinet Colour temperature 12091263 titan 3200 K

12092263

Recessed LED furniture spot







Specification

Incl. light source: LED, power 3,7 W, beam angle: 50° , material: aluminium / plastic

Driver see pag 643.

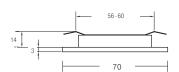
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12092263	titan	3200 K

12027153 LED recessed furniture spot







Specification

Incl. light source: LED, power: about. 2 W, beam angle: 45°, material: cast / plastic, pluggable system

Article-no. Colour of cabinet Colour temperature

12027153 titan 3000 K

See suitable accessories on the page 643.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12171153 trifold LED furniture set









Specification

Set comes with: 3x luminaire, incl. 2000 mm connection wire, 1x splitter, 1x driver Incl. light source: 3x LED, power: 3x 2 W, material: cast / plastic, beam angle: 45° , plug + play system, dimensions LED power supply: I $123 \times w 39 \times h 19$ mm

Article-no.	Colour of cabinet	Colour temperature
12171153	titan	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

3 + 70



Recessed LED furniture spot

Specification

Incl. light source: LED, power 3,5 W, beam angle: 120°, material: aluminium / plastic

Driver see page 643.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

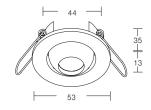
Article-no.	Colour of cabinet	Colour temperature
12093263	titan	3200 K
12093264	titan	4000 K
12093265	titan	5500 K

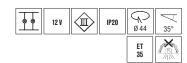
12093...

2269.15

Low - voltage spot for showcases







Specification

For lamp: 1 x G4 QT9, power: max. 20 W, material: cast delivery incl. AMP-plug

Delivery without lamp and transformer/driver/ballast AMP-accessories see page 649. Driver see page 645.

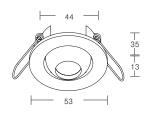
Energy efficiency class: A+ to C

Article-no. Colour of cabinet 2269.15 nickel satin

P2269WW

LED-recessed furniture light







Specification

Incl. light source: 1 x power LED, power: approx. 1,0 W, beam angle: 15°, material: cast, Installation in suspended ceilings by leaf spring fixation

Driver see page 628.

Article-no.	Colour of cabinet	Colour temperature
P2269WW	nickel satin	3100 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

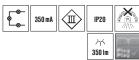
12078...

LED recessed furniture or surface mounted LED spot











(cut out 54mm) Available as recessed spot. Installation depth 16mm when recessed spot.

Specification

Incl. light source: LED, power 3,6 W, beam angle: 100°, material: aluminium / plastic

Driver see page 628.

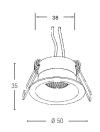
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12078073	white	3000 K
12078253	alu satin	3000 K



*IP44 if installed in closed ceilings





Specification

Incl. light source: 1 x LED, power 4 W

Driver see page 628.

Energy efficiency class: A++ to A

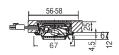
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Material	Colour of cabinet	Colour temp	perature
12079023	aluminium / stainless steel	chrome	3000 K	
12079073	aluminium / stainless steel	white	3000 K	
12079193	aluminium / copper	copper	3000 K	

2461... low - voltage recessed furniture spot



suitable for humid areas





Specification

For low pressure lamp: 1 x G4 QT9, power: max. 20 W, material: thermoplastic / clear glass

Delivery incl. AMP-plug AMP-accessories see page 649. Driver see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour of cabinet
2461.02	chrome
2461.07	white
2461.26	steel satin

12 V III IP20 ET 28 ET 28



2455... low - voltage recessed furniture spot



Specification

For lamp: 1 x G4 QT9, power: max. 20 W, material: thermoplastic / clear glass delivery incl. 2000 mm electrical feeding (in)

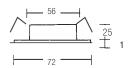
AMP-accessories see page 649. Driver see page 645.

Article-no.	Colour of cabinet
2455.02	chrome
2455.05	gold
2455.26	steel satin

Energy efficiency class: A+ to C

Low - voltage recessed furniture spot







Specification

For lamp: 1 x G4 QT9, power: max. 20 W, material: steel / glass satin

Delivery incl. AMP-plug. AMP-accessories see page 649. Driver see page 645.

Energy efficiency class: A+ to C

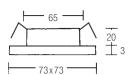
Article-no. Colour of cabinet 2358.00 hrass

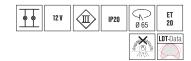
2358.02 chrome 2358.07 white 2358.15 nickel satin

2359...

Low - voltage recessed furniture spot





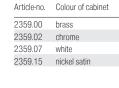


Specification

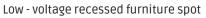
For lamp: 1 x G4 QT9, power: max. 20 W, material: steel / glass satined, cover magnetically fixed.

Delivery incl. AMP-plug AMP-accessories see page 649. Driver see page 645.

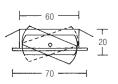
Energy efficiency class: A+ to C













Specification

For lamp: 1 x G4 QT9, power: max. 10 W, material: thermoplastic / steel / clear glass

Delivery incl. AMP-plug. AMP-accessories see page 649. Driver see page 645.

Article-no.	Colour of cabinet
2073.02	chrome
2073.03	chrome satin
2073.05	gold
2073.07	white

Energy efficiency class: A+ to C

2070... Low - voltage recessed furniture spot



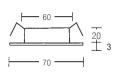














Specification

For lamp: 1 x G4 QT9, power: max. 10 W, material: thermoplastic / steel / clear glass

Delivery incl. AMP-plug. AMP-accessories see page 649. Driver see page 645.

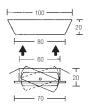
Energy efficiency class: A+ to C

Article-no.	Colour of cabinet
2070.02	chrome
2070.03	chrome satin
2070.05	gold

white

2070.07

5370... Surface ring for art.-no 2070 / 2073





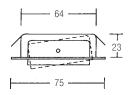
Specification

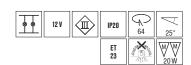
surface-mount ring for 2073 / 2070 material: steel

Article-no.	Colour of cabinet
5370.02	chrome
5370.03	chrome satin
5370.05	gold
5370.07	white

Low - voltage recessed furniture light







Specification

For lamp: 1 x G4 QT9, power: max. 20 W

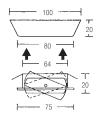
Delivery incl. AMP-plug AMP-accessories see page 649. Driver see page 645.

Energy efficiency class: A+ to C

Article-no.	Colour of cabinet	Material
2037.00	brass	steel / clear glass
2037.02	chrome	steel / clear glass
2037.03	chrome satin	steel / clear glass
2037.07	white	steel / clear glass
2037.22	stainless steel	stainless steel / clear glass

5372.22 Surface ring for art.-no. 2037.22





Specification

ring for art.-no. 2037.22 material: stainless steel

Article-no.	Colour of cabinet
5372.22	stainless steel





recessed

ceiling cardanic



512541 / 12161253 / 33161253 Recessed cardanic spot



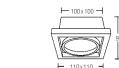












Base model low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 512541 brushed alu



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12161253	brushed alu	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33161253	brushed alu	2700 K



512542 / 12162253 / 33162253 Recessed cardanic spot

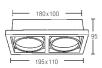














Base model low-voltage

For low voltage lamp: 2 x GX5,3 QRCBC51, power: max. 2 x 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 512542 brushed alu











Base model LED 350 mA

Incl. light source: 2 x LED, power: 2 x 6,6 W, beam angle: 38°, material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12162253	brushed alu	2700 K

Modular construction: further light colors and power outputs are available on demand















LED-Set, including driver

Incl. light source: 2 x LED, power: 2x 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. driver for 230V-connection, not dimmable, dimension driver: I 145 x w 50 x h 22 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33162253	brushed alu	2700 K









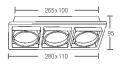






512543 / 12163253 / 33163253 Recessed cardanic spot







Base model low-voltage

For low voltage lamp: $3 \times GX5, 3 \text{ QRCBC51}$, power: max. $3 \times 50 \text{ W}$, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet

512543 brushed allu



Base model LED 350 mA

Incl. light source: $3\,x$ LED, power: $3\,x$ 6,6 W, beam angle: 38° , material: aluminium / clear glass,

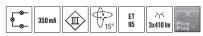
Dimmable drivers on page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12163253	brushed alu	2700 K

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: $3 \times LED$, power: $3 \times 6,6 \, W$, beam angle: 38° , material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I $145 \times w 50 \times h 22 \, \text{mm}$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

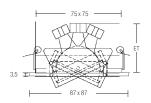
Article-no.	Colour of cabinet	Colour temperature
33163253	brushed alu	2700 K



20001... / 12157... / 33157... Recessed cardanic spot









Base model low-voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
20001070	white
20001250	alu satin



Base model LED 350 mA

Incl. light source: $1\,x$ LED, power: $6,6\,W$, beam angle: 38° , material: aluminium / clear glass,

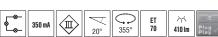
Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	
12157073	white	2700 K	
12157253	alu satin	2700 K	

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: aluminium / clear glass, incl. incl. driver for 230V-connection, not dimmable, dimension driver: I 68 x w 35 x h 21 mm

Energy efficiency class: A++ to A

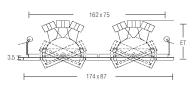
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	re
33157073	white	2700 K	
33157253	alu satin	2700 K	



20002... / 12158... / 33158... Recessed cardanic spot







Base model low-voltage

For low voltage lamp: $2 \times GX5,3 \ QRCBC51$, power: max. $2 \times 50 \ W$, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
20002070	white
20002250	alu satin



Base model LED 350 mA

Incl. light source: $2\,x$ LED, power: $2\,x$ 6,6 W, beam angle: 38° , material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	
12158073	white	2700 K	
12158253	alu satin	2700 K	

Modular construction: further light colors and power outputs are available on demand

















LED-Set, including driver

Incl. light source: $2 \times LED$, power: $2 \times 6,6 \, W$, beam angle: 38° , material: aluminium / clear glass, incl. driver for 230 V-connection, not dimmable, dimension driver: I $145 \times w 50 \times h 22 \, mm$

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	9
33158073	white	2700 K	
33158253	alu satin	2700 K	









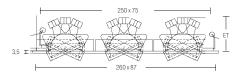






20003... / 12159... / 33159... Recessed cardanic spot







Base model low-voltage

For low voltage lamp: $3 \times GX5, 3 \text{ QRCBC51}$, power: max. $3 \times 50 \text{ W}$, material: aluminium

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
20003070	white
20003250	alu satin



Base model LED 350 mA

Incl. light source: $3\,x$ LED, power: $3\,x$ 6,6 W, beam angle: 38° , material: aluminium / clear glass

Dimmable drivers see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperatu	ire
12159073	white	2700 K	
12159253	alu satin	2700 K	

Modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: $3 \times LED$, power: $3 \times 6,6 \text{ W}$, beam angle: 38° , material: aluminium, incl. incl. driver for 230V-connection, not dimmable, dimension driver: $1145 \times w 50 \times h 22 \text{ mm}$

Energy efficiency class: A++ to A

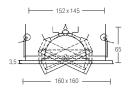
This luminaire contains incorporated and non-exchangeable LED light sources.

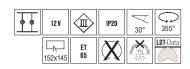
Article-no.	Colour of cabinet	Colour temperatu	re
33159073	white	2700 K	
33159253	alu satin	2700 K	



Recessed cardanic low - voltage spot







Specification

For lamp: 1 x G53 QR-LP111, power: max. 50 W, material: aluminium

Energy efficiency class: A to C

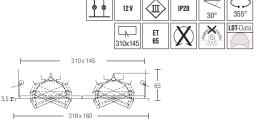
Driver see page 645.

Suitable LED-inserts see page 370.

Article-no.	Colour of cabinet	
20004070	white	
20004250	alu satin	

20005... Recessed cardanic low - voltage spot





Specification

For lamp: 2 x G53 QR-LP111, power: max. 2 x 50 W, material: aluminium

Energy efficiency class: A to C

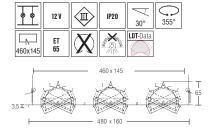
Driver see page 645.

Suitable LED-inserts see page 370.

Article-no.	Colour of cabinet
20005070	white
20005250	alu satin



20006... Recessed cardanic low - voltage spot





Specification

For lamp: $3 \times G53$ QR-LP111, power: max. 3×50 W, material: aluminium

Energy efficiency class: A to C

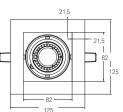
Electronic transformers see page 645.

Suitable LED-inserts see page 370.

Article-no.	Colour of cabinet
20006070	white
20006250	alu satin

46001... / 88454173 Recessed cardanic spot







Modular construction: further light colors and power outputs are available on demand (88454173)

Base model low-voltage

For lamp: 1 x GX5,3 QRCBC51, power: max. 1 x 50 W material: steel

Different RAL colours on request. delivery without lamp and without driver

Electronic transformers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet	
46001020	chrome	
46001170	textured white	



LED-Set, including driver

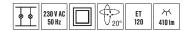
Incl. light source: LED, power: 1 x 6,6 W, beam angle: 38°, material: steel / aluminium / clear glass, incl. driver for 230V-connection, not dimmable, dimensions driver: L68 x B35 x H21 mm

Different RAL colours on request. Inclusive light source and separate driver.

Energy efficiency class: A++ to A

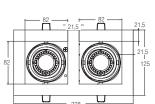
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperat	ure
88454173	textured white	2700 K	



46004... / 88457173 Recessed cardanic spot





Modular construction: further light colors and power outputs are available on demand (88457173)

 \Box 200x110 LDT-Data

Base model low-voltage

For lamp: 2 x GX5,3 QRCBC51, power: max. 2 x 50 W material: steel

Different RAL colours on request. delivery without lamp and without driver

Electronic transformers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet	
46004020	chrome	
46004170	toytured white	



LED-Set, including driver

Incl. light source: 2 x LED, power: 2 x 6,6 W, beam angle: 38°, material: steel / aluminium / clear glass , incl. driver for 230V-connection, not dimmable, wdimensions driver: L145 x B50 x H22 mm

Different RAL colours on request. Inclusive light source and separate driver.

Energy efficiency class: A++ to A

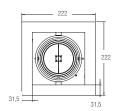
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
88457173	textured white	2700 K 🔵



46007... / 8846... Recessed cardanic spot







Base model low-voltage

For low voltage lamp: 1 x G53 QR-LP111, power: max. 1 x 50 W, material: steel

Different RAL colours on request. delivery without lamp and without driver

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet	
46007020	chrome	
46007170	textured white	



LED-Set, including driver

Incl. light source: $1 \times LED$, power: $1 \times 31 \text{ W}$, material: steel / aluminium, incl. driver for 230V-connection, not dimmable, dimensions driver: $L180 \times B32 \times H32 \text{ mm}$

Different RAL colours on request. Inclusive light source and separate driver.

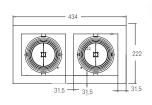
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	Beam pattern
88461173	textured white	3000 K	18° (SP')
88462173	textured white	3000 K	30° (MF)
88463173	textured white	3000 K	50° (FL)
230 V 50	I AC	> ET X 20° 185 3250	lm

46010... / 8846... Recessed cardanic spot







Base model low-voltage

For low voltage lamp: $2 \times G53$ QR-LP111, power: max. 2×50 W, material: steel

Different RAL colours on request. delivery without lamp and without driver

Drivers see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
46010020	chrome
46010170	textured white



LED-Set, including driver

Incl. light source: 2x LED, power: 2x 31 W, material: steel / aluminium, incl. 2x driver for 230V-connection, not dimmable, dimensions driver: L180 x B32 x H32 mm

Different RAL colours on request. Inclusive light source and separate drivers.

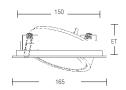
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	Beam pattern
88464173	textured white	3000 K	18° (SP')
88465173	textured white	3000 K	30° (MF)
88466173	textured white	3000 K	50° (FL)
23 5	D V AC O Hz	ET 20° 185 2x3	├ ├ 250 lm

512474 / 20014070 / 12132... Recessed cardanic spot







Base model low-voltage

For lamp: $1 \times G53$ QR-LP111, power: max. 1×50 W material: aluminium, with tension spring

Delivery without lamp and driver

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
20014070	white
512474	alu satin



Base model LED 1000 mA

Incl. light source: 1 x LED, power: 1 x 31 W, material: aluminium, with thrust spring

Driver see page 638.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

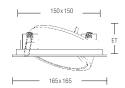
Other beam pattern on demand.

Article-no.	Colour of cabinet	Colour temperature	Beam pattern
12132073	white	3000 K	30° (FL)
12132253	alu satin	3000 K	30° (FL)



512475 / 20015070 / 12133... Recessed cardanic spot







Base model low-voltage

For lamp: $1 \times G53$ QR-LP111, power: max. 1×50 W material: aluminium, with tension spring

Delivery without lamp and driver

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
20015070	white
512475	alu satin



Base model LED 1000 mA

Incl. light source: 1 x LED, power: 1 x 31 W, material: aluminium, with thrust spring

Driver see page.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Other beam pattern on demand.

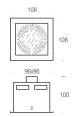
cabinet	temperatur	e	Beam pattern
white	3000 K		30° (FL)
alu satin	3000 K		30° (FL)
	cabinet white	cabinet temperatur white 3000 K	cabinet temperature white 3000 K



0°-8° = SSP (Super Spot), 9°-18° = SP (Spot), 19°-29° = MF (Medium Flood), 30°-45° = FL (Flood), 46°-60° = WFL (Wide Flood)

512411 Recessed cardanic low - voltage spot







Specification

For lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: cast

Luminaire should not be installed into socket- or installation box.

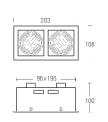
Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
512411	silver-grey

512412 Recessed cardanic low - voltage spot







Specification

For lamp: 2 x GX5,3 QRCBC51, power: max. 2 x 50 W, material: cast

Luminaire should not be installed into socket- or installation box.

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
512412	silver-grey



recessed

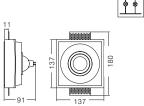
ceiling frameless

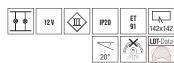


44007000

Concealed plaster luminaire frameless







Specification

For low voltage lamp: 1 x GX5,3 QRCB51, power: max. 50 W, frameless, material: plaster / aluminium cast

Driver see page 645.



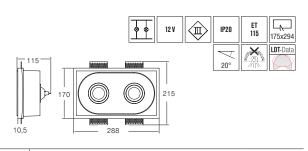
Useable in plasterboard ceilings with thickness 12,5 mm.

Energy efficiency class: A to C

Article-no. Colour of cabinet 44007000 white

44008000 Concealed plaster luminaire frameless





Specification

For low voltage lamp: 2 x GX5,3 QRCBC51, power: max. 2 x 50 W, frameless, material: plaster / aluminium cast

Driver see page 645.



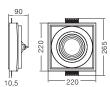
Useable in plasterboard ceilings with thickness 12,5 mm.

Energy efficiency class: A to C

Article-no. Colour of cabinet 44008000 white

44005000 Concealed plaster luminaire frameless







Specification

For lamp: 1 x G53 QR-LP111, power: max. 50 W, frameless, material: plaster / aluminium cast

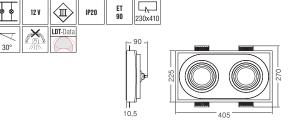
Driver see page 645.

Useable in plasterboard ceilings with thickness 12,5 mm.

Energy efficiency class: A+ to C

Article-no. Colour of cabinet 44005000 white

44006000 Concealed plaster luminaire frameless





Specification

For lamp: 2x G53 QR-LP111, power: max. 50 W, frameless, material: plaster / aluminium cast

Driver see page 645.

⚠ Useable in plasterboard ceilings with thickness 12,5 mm.

Energy efficiency class: A+ to C

Article-no. Colour of cabinet 44006000 white



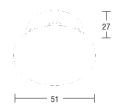
recessed

ceiling loudspeaker



Ø51 mm speaker inlay without transformer







Specification

net weight:

power rating: 3/4W

impedance: $20\ \text{Ohm}$ (it is possible to connect up to 5speakers in parallel of one channel

of a hifi-unit)

1 W / 1 m: 82 dB (by rated burden 87 dB) sound pressure level:

frequency response: (-3 db): 200 - 16.000 Hz frequency response:(-10 db): specification:

150 - 20.000 Hz

perforated metal sheet cover white or

chrome-metalized 0,06 kg

Mounting by catch spring. Connection technical features:

with 2-pole cord and terminal clamp.

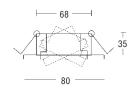
perforated cover article-no.

3096.02 chrome 3096.07 white

Suitable for most low-voltage-spots for QR-CBC51.

recessed speaker, cut - out 68 mm







Specification

power rating: 3/4W

20 Ohm (it is possible to connect up to 5 impedance: speakers in parallel of one channel

of a hifi-unit)

sound pressure level: 1 W / 1 m: 82 dB (by rated burden 87 dB)

frequency response: (-3 db): 200 - 16.000 Hz frequency response:(-10 db): 150 - 20.000 Hz

specification: front ring (steel) and perforated metal

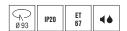
> sheet cover white or chrome-metalized

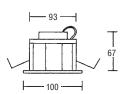
net weight:

Mounting by catch spring. Connection technical features: with 2-pole cord and terminal clamp.

article-no.	cover
3093.02	chrome
3093.07	white
3093.15	nickel satin

recessed speaker with transformer 100 V for ELA-installation





article-no.

3090.02

3090.07

cover

chrome

white



Specification

power rating: 6 W

100 V - transformer: 6/3/1,5W

sound pressure level: 1 W / 1m: 86 dB (by rated burden 94 dB)

frequency response: (-3 db): 250 - 20.000 Hz frequency response: (-10 db): 170 - 21.000 Hz

specification: Front ring (plastic) and perforated

metal sheet cover white or chrome-metalized

net weight: 0,6 kg

technical features: Mounting by catch spring. Connection

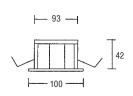
with 2-pole cord and terminal clamp.

Impregnated membrane:

limited damp proofing. Not for permanent use in outdoor areas.

3092... recessed speaker without transformer





3092.07

3092.26

white

steel satin



Specification

power rating: 6/8W impedance: 8 Ohm

sound pressure level: 1 W / 1 m: 86 dB (by rated burden 94 dB)

250 - 20.000 Hz frequency response: (-3 db): frequency response: (-10 db): 170 - 21.000 Hz specification:

Front ring (plastic) and perforated metal sheet cover in chrome,

white or steel satin

net weight: 0,4 kg

technical features: Mounting by catch spring. Connection

with 2-pole cord and terminal clamp.

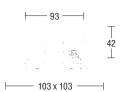
article-no. cover Impregnated membrane: 3092.02 chrome

limited damp proofing. Not for permanent use in

3083.07

recessed speaker without transformer





article-no.

3083.07

cover

white



Specification

power rating: 6/8W 20 0hm impedance:

(it is possible to connect up to 5 speakers in parallel of one channel

of a hifi-unit).

 $1\,W/1\,m$: $86\,dB$ (by rated burden $94\,dB$) sound pressure level:

frequency response: (-3 db): frequency response: (-10 db): specification:

250 - 20.000 Hz 170 - 21.000 Hz Front ring and mounting ring

consisting of

plastic with perforated metal sheet

cover in white 0,4 kg

technical features:

net weight:

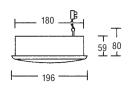
Mounting by catch spring. Connection with 2-pole cord and terminal clamp.

Impregnated membrane:

limited damp proofing. Not for permanent use in outdoor areas.

3094.07 recessed speaker without transformer





article-no.

3094.07

cover

white



Specification

power rating: 40/50W 8 0hm impedance:

1 W / 1 m: 90 dB (by rated burden 98 dB) sound pressure level:

frequency response: (-3 db): 100 - 20.000 Hz 60 - 23.000 Hz frequency response: (-10 db):

specification: Front ring and mounting ring consisting

of plastic with perforated metal sheet cover in white

net weight:

technical features: Installation for ceiling thicknesses from

1-20 mm. Connection with 2-pole cord

terminal clamp.

Impregnated membrane:

limited damp proofing. Not for permanent use in outdoor areas.

3084.07 recessed speaker without transformer





Specification

power rating: 40/50 W impedance: 8 Ohm

sound pressure level: 1 W / 1 m: 89 dB (by rated burden 105 dB)

 $\begin{array}{ll} \text{frequency response:}(\text{-}3\,\text{db}): & 100\,\text{-}\,20.000\,\text{Hz} \\ \text{frequency response:}(\text{-}10\,\text{db}): & 50\,\text{-}\,22.000\,\text{Hz} \end{array}$

specification: Front ring and mounting ring consisting of

plastic with perforated metal

sheet cover in white

net weight: 1,0 kg

technical features: Installation for ceiling thicknesses from

7-32 mm. Connection with 2-pole cord

terminal clamp.

Impregnated membrane:

limited damp proofing. Not for permanent use in outdoor areas.



article-no.

3084.07

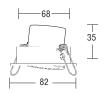
cover

white

43003250

recessed speaker, cut - out 68 mm







Specification

power rating: 3/4W

20 Ohm (it is possible to connect impedance: up to 5 speakers in parallel

of one channel of a hifi-unit) sound pressure level: 1 W / 1 m: 82 dB (by rated burden 87 dB)

frequency response (-3 db): 200 - 16.000 Hz frequency response (-10 db): 150 - 20.000 Hz specification:

front ring consisting of aluminium and perforated metal sheet cover in

chrome - metalized.

net weight: 0,1 kg

technical features: mounting by catch

spring connection with 2-pole cord and

terminal clamp

Also available in white, champagne satin or titanium satin on request.

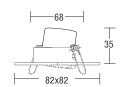
43003250 alu satin

cover

article-no.

43004250 recessed speaker







Specification, cut - out 68 mm

power rating: 3/4W

20 Ohm (it is possible to connect up to 5 impedance:

speakers in parallel of one channel of

a hifi-unit)

sound pressure level: 1 W / 1 m: 82 dB (by rated burden 87 dB)

frequency response (-3 db): 200 - 16.000 Hz frequency response (-10 db): 150 - 20.000 Hz

specification: front ring consisting of aluminium and

perforated metal sheet cover in

chrome-metalized.

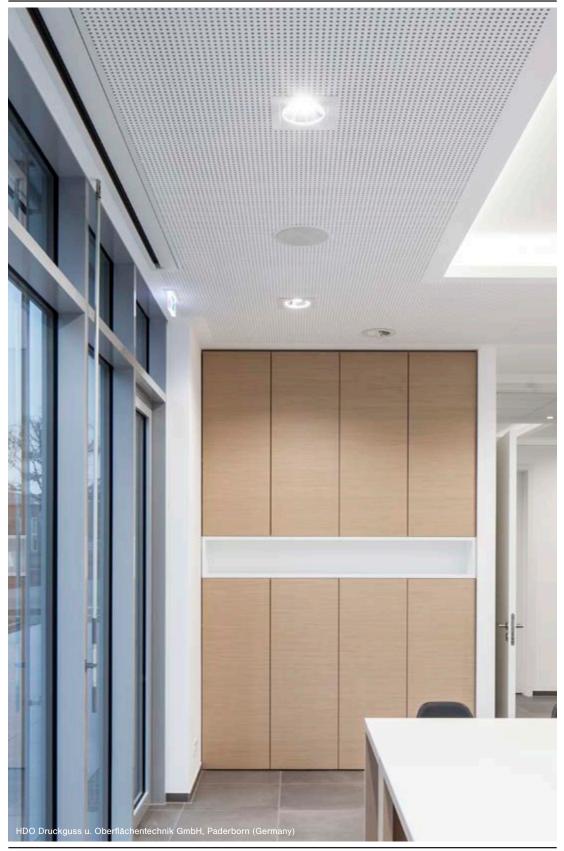
net weight: 0,1 kg technical features:

mounting by catch spring connection'

with 2-pole cord and terminal clamp

Also available in white, champagne satin or titanium satin on request.

article-no. cover 43004250 alu satin





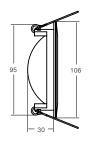
recessed

wall recessed



10063173 Recessed LED wall light







Specification

Incl. light source: LED, material: aluminium, incl. driver for 230 V-connection (I 52 x w 26 x h 22 mm)

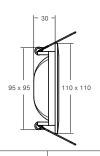
Energy efficiency class: A++ to A

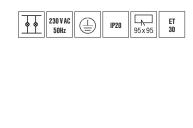
This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperati	ıre
10063173	texture white	1,2 W	3000 K	

10065173 Recessed LED wall light







Specification

Incl. light source: LED, material: aluminium, incl. driver for 230 V-connection (I $52 \times w 26 \times h 22 \text{ mm}$)

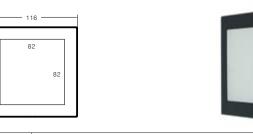
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperature	
10065173	texture white	1.2 W	3000 K	

230 V AC 50Hz

10035153... Recessed LED wall light



Specification

Incl. light source: LED, material: aluminium, glass. Cover: peripherally black glass with light fiel 82 x 82 mm, incl. driver for 230 V-connection, incl. junction box Ø 68 mm / installation depth 65 mm, height 10 mm

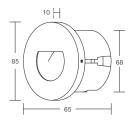
Article no.	cabinet	Power	temperature
10035153	nickel satin	3,5 W	3000 K

Energy efficiency class: A++ to A
This luminaire contains incorporated and non-exchangeable LED light sources.



R3928... Recessed LED wall light







Specification

Incl. light source: LED, material: stainless steel / plastic / aluminium, incl. driver for 230 V-connection, incl. junction box Ø $68\,\text{mm}$ / installation depth $65\,\text{mm}$

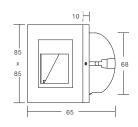
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperatu	ire
R3928W	texture white	1,2 W	6500 K	
R3928WW	texture white	1,2 W	3100 K	
R3928B	texture white	1,2 W		
R3928R	texture white	1,2 W		
R3928Y	texture white	1,2 W		
R3928G	texture white	1,2 W		

R3929... Recessed LED wall light







Specification

Incl. light source: LED, material: stainless steel / plastic / aluminium, incl. driver for 230 V-connection,

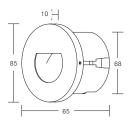
incl. junction box Ø 68 mm / installation depth 65 mm

Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperati	ure
R3929W	texture white	1,2 W	6500 K	
R3929WW	texture white	1,2 W	3100 K	
R3929B	texture white	1,2 W		
R3929R	texture white	1,2 W		
R3929Y	texture white	1,2 W		
R3929G	texture white	1,2 W		

101282... Recessed LED wall light







Specification

Incl. light source: LED, material: stainless steel / plastic / aluminium, incl. driver for $230\,V$ -connection,

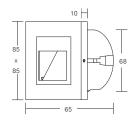
incl. junction box Ø 68 mm / installation depth 65 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperatu	ıre
10128205	stainless steel	1,2 W	6500 K	
10128203	stainless steel	1,2 W	3100 K	
10128208	stainless steel	1,2 W		
10128206	stainless steel	1,2 W		
10128209	stainless steel	1,2 W		
10128207	stainless steel	1,2 W		

230 V A C 50Hz P20 P20 ET 65





Specification

Incl. light source: LED, material: stainless steel / plastic / aluminium, incl. driver for $230\,V$ -connection,

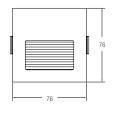
incl. junction box Ø 68 mm / installation depth 65 mm

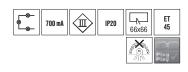
Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperati	ıre
10129205	stainless steel	1,2 W	6500 K	
10129203	stainless steel	1,2 W	3100 K	
10129208	stainless steel	1,2 W		
10129206	stainless steel	1,2 W		
10129209	stainless steel	1,2 W		
10129207	stainless steel	1,2 W		

10054253 Recessed LED wall light







Specification

Incl. light source: LED, material: aluminium

Driver see page 634.

Energy efficiency class: A++ to A

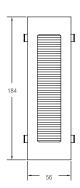
Article no.	Colour of cabinet	Power	Colour temperature
10054253	alu brushed	3 W	3000 K 🔵



10055253 Recessed LED wall light







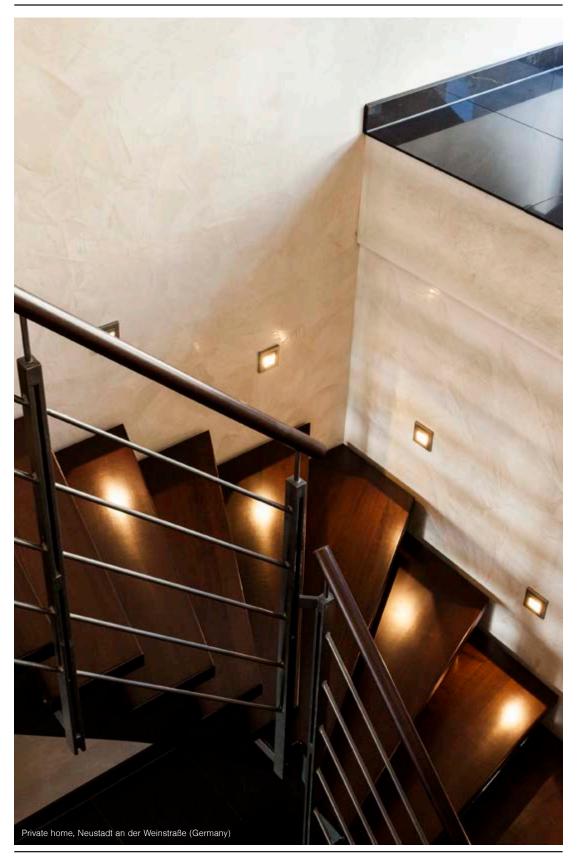
Specification

Incl. light source: LED, material: aluminium

Driver see page 634.

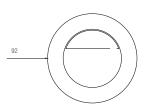
Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperature
10055253	alu hrushed	3 W/	3000 K



10065253 Recessed LED wall light







Specification

Incl. light source: LED, operating device and recessing box, material: aluminium / steel / clear glass

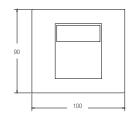
Article no.	Colour of cabinet	Power	Colour temperature	
10065253	alu satin	1 W	3000 K 🔵	

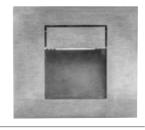
INDOOR

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

10066223 Recessed LED wall light





Specification

230 V AC 50Hz

Incl. light source: LED, operating device and recessing box, material: stainless steel / steel / clear glass

Article no.	Colour of cabinet	Power	Colour temperature
10066223	stainless steel	1 W	3000 K

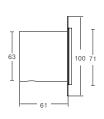
INDOOR

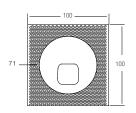
Energy efficiency class: A++ to A

10015173

Recessed LED wall light with high degree of protection IP54









Specification

Incl. light source: LED, material: aluminium / steel / clear glass, asymmetric light beam

Delivery incl. recessing box and installation plate 100 x 100 mm.

Driver see page 634.

Energy efficiency class: A++ to A

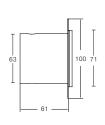
This luminaire contains incorporated and non-exchangeable LED light sources.

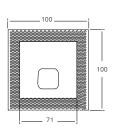
Article no.	Colour of cabinet	Power	Colour temperati	ıre
10015173	texture white	3 W	3000 K	

10016173

Recessed LED wall light with high degree of protection IP54









Specification

Incl. light source: LED, material: aluminium / steel / clear glass, asymmetric light beam

Delivery incl. recessing box and installation plate 100 x 100 mm.

Driver see page 634.

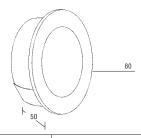
Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperatu	ire
10016173	texture white	3 W	3000 K	

10057173

Recessed LED wall light with high degree of protection IP54







Specification

Incl. light source: LED, material: aluminium / steel / clear glass, asymmetric light beam

Delivery incl. recessing box (w 70 x h 70 x d 50 mm) and installation plate 100 x 100 mm.

Driver see page 634.

Energy efficiency class: A++ to A

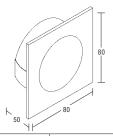
This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperature
10057173	texture white	2 W	3000 K

10058173

Recessed LED wall light with high degree of protection IP54







Specification

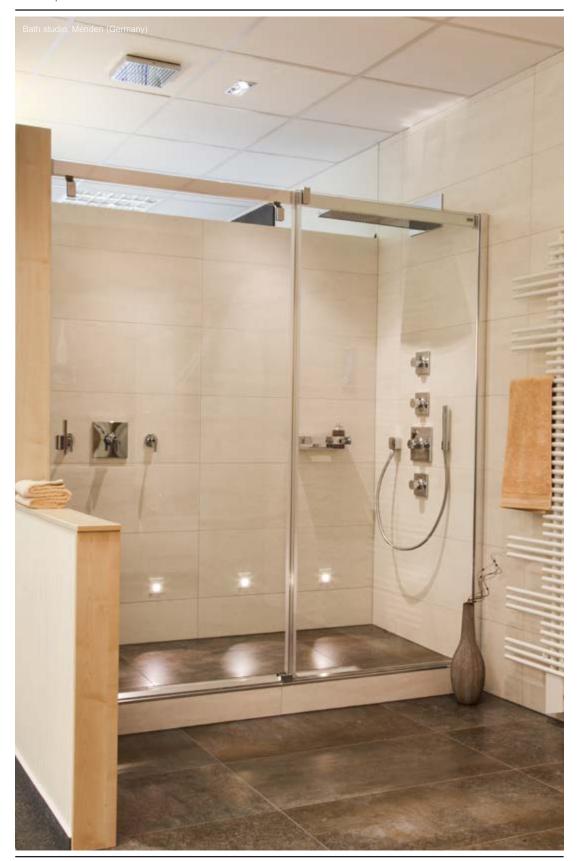
Incl. light source: LED, material: aluminium / steel / clear glass, asymmetric light beam, asymmetric light beam

Delivery incl. recessing box (b 70 x h 70 x d 50 mm) and installation plate $100x100\,\text{mm}.$

Driver see page 634.

Energy efficiency class: A++ to A

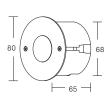
Article no.	Colour of cabinet	Power	Colour temperature
10050172	toyturo whito	2 W	2000 K



10012...

Recessed LED wall light with high degree of protection IP54







Specification

Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V-connection. Built-in box Ø 68 mm / installation depth 65 mm incl.

Article no.	Colour of cabinet	Power	Colour temperatu	re
10012225	stainless steel	1,2 W	6500 K	
10012223	stainless steel	1,2 W	3100 K	



For mounting on flat surfaces only!

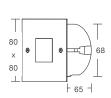
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

10011...

Recessed LED wall light with high degree of protection IP54







Specification

Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V connection. Built-in box Ø 68mm / installation depth 65 mm incl.

Article no.	Colour of cabinet	Power	Colour temperatu	re
10011225	stainless steel	1,2 W	6500 K	0
10011223	stainless steel	1,2 W	3100 K	

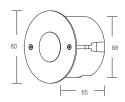


For mounting on flat surfaces only!

Energy efficiency class: A++ to A

P3937... Recessed LED wall light







Specification

Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V-connection. Built-in box Ø 68 mm / installation depth 65 mm incl.

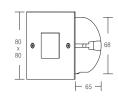
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperature	:
P3937W	stainless steel	1,2 W	6500 K	
P3937WW	stainless steel	1,2 W	3100 K	
P3937B	stainless steel	1,2 W		
P3937R	stainless steel	1,2 W		
P3937Y	stainless steel	1,2 W		
P3937G	stainless steel	1,2 W		

P3930... Recessed LED wall light







Specification

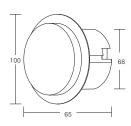
Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V-connection. Built-in box Ø 68 mm / installation depth 65 mm incl.

Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperatu	re
P3930W	stainless steel	1,2 W	6500 K	
P3930WW	stainless steel	1,2 W	3100 K	
P3930B	stainless steel	1,2 W		
P3930R	stainless steel	1,2 W		
P3930Y	stainless steel	1,2 W		
P3930G	stainless steel	1,2 W		

P3938... Recessed LED wall light







Specification

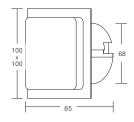
Incl. light source: LED, material: stainless steel / glass partially frosted / plastic, incl. driver for 230 V-connection junction box \emptyset 68 mm / installation depth 65 mm incl.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperature
P3938W	stainless steel	1,2 W	6500 K
P3938WW	stainless steel	1,2 W	3100 K
P3938B	stainless steel	1,2 W	•
P3938R	stainless steel	1,2 W	•
P3938Y	stainless steel	1,2 W	•
P3938G	stainless steel	1,2 W	•

230 V AC | P20 | FT 65







Specification

Incl. light source: LED, material: stainless steel / glass partially frosted / plastic, incl. driver for 230 V-connection, and the state of the sta

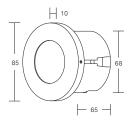
junction box Ø 68 mm / installation depth 65 mm incl.

Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperatur	re
P3939W	stainless steel	1,2 W	6500 K	
P3939WW	stainless steel	1,2 W	3100 K	
P3939B	stainless steel	1,2 W		
P3939R	stainless steel	1,2 W		
P3939Y	stainless steel	1,2 W		
P3939G	stainless steel	1,2 W		

1014120... Recessed LED wall light







Specification

Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230V connection. Built-in box \emptyset 68mm / installation depth 65 mm

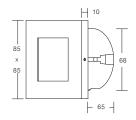
Energy efficiency class: A++ to A

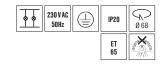
This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperatur	e
10141205	stainless steel	1,2 W	6500 K	
10141203	stainless steel	1,2 W	3100 K	
10141208	stainless steel	1,2 W		
10141206	stainless steel	1,2 W		
10141209	stainless steel	1,2 W		
10141207	stainless steel	1,2 W		

1014020... Recessed LED wall light







Specification

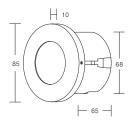
Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V-connection. Built-in box Ø 68 mm / installation depth 65 mm

Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperature	е
10140205	stainless steel	1,2 W	6500 K	
10140203	stainless steel	1,2 W	3100 K	
10140208	stainless steel	1,2 W		
10140206	stainless steel	1,2 W		
10140209	stainless steel	1,2 W		
10141207	stainless steel	1,2 W		

R3941... Recessed LED wall light







Specification

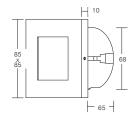
Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V-connection. Built-in box Ø 68 mm / installation depth 65 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperatur	re
R3941W	texture white	1,2 W	6500 K	
R3941WW	texture white	1,2 W	3100 K	
R3941B	texture white	1,2 W		
R3941R	texture white	1,2 W		
R3941Y	texture white	1,2 W		
R3941G	texture white	1,2 W		

230 V AC IP20 50Hz





Recessed LED wall light

R3940...

Specification

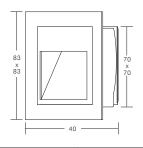
Incl. light source: LED, material: stainless steel / acryl opal / plastic, incl. driver for 230 V-connection. Built-in box Ø 68 mm / installation depth 65 mm

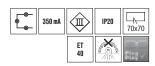
Energy efficiency class: A++ to A

Article no.	Colour of cabinet	Power	Colour temperati	ure
R3940W	texture white	1,2 W	6500 K	
R3940WW	texture white	1,2 W	3100 K	
R3940B	texture white	1,2 W		
R3940R	texture white	1,2 W		
R3940Y	texture white	1,2 W		
R3940G	texture white	1,2 W		

P3729... Recessed LED wall light







Specification

Incl. light source: LED, material: steel

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperatur	e
P3729W	alu satin	1,2 W	6500 K	
P3729WW	alu satin	1,2 W	3100 K	
P3729B	alu satin	1,2 W		•
P3729R	alu satin	1,2 W		
P3729Y	alu satin	1,2 W		•
P3729G	alu satin	1,2 W		

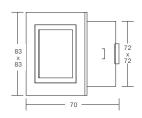
additionally available:

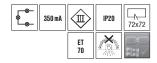
Article-no.	Specification

3702 In-wall-box (72 x 70 x installation depth 54 mm)

P3730... Recessed LED wall light







Specification

Incl. light source: LED, material: cast / frosted glass

Driver see page 628.

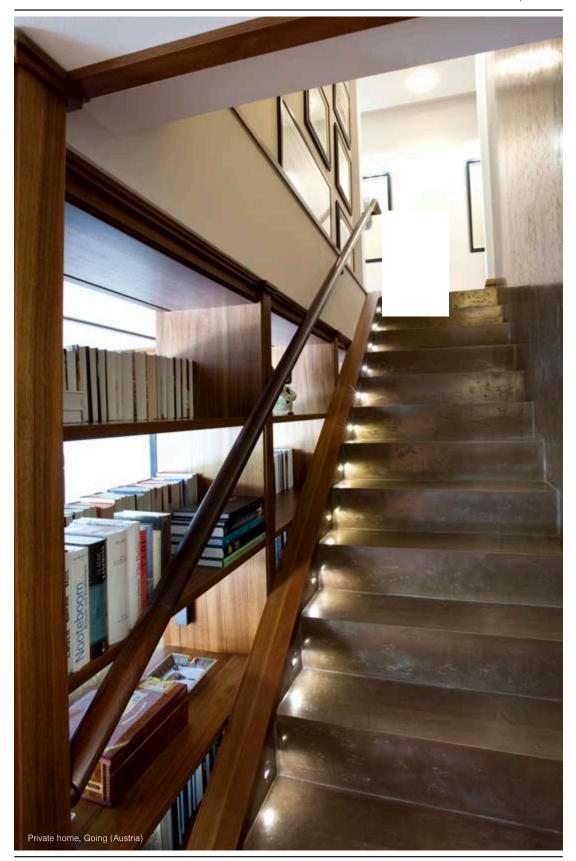
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperature	
P3730W	alu satin	1,2 W	6500 K	
P3730WW	alu satin	1,2 W	3100 K	
P3730B	alu satin	1,2 W		•
P3730R	alu satin	1,2 W		
P3730Y	alu satin	1,2 W		
P3730G	alu satin	1,2 W		

additionally available:

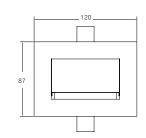
Article-no.	Specification
3701	In-wall-box (76 x 76 x installation depth 74 mm)

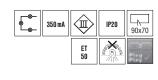


10003... Recessed LED wall light









Specification

Incl. light source: LED, material: brass / steel, aperture angle: max. 80°

Driver see page 628.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article no.	Colour of cabinet	Power	Colour temperatur	е
10003013	brass satin	3 W	3200 K	
10003073	white	3 W	3200 K	
10003153	nickel satin	3 W	3200 K	

10004260 / 10005260 built-in case for 10003...



driver outside of case

10004260



for useage with LED-driver art.-no. 17666000 (see on page 628.

Specification

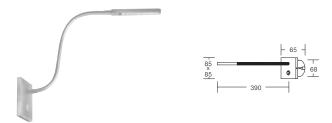
Material: aluminium

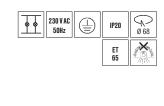
Article no.	Dimensions
10004260	98 x 70 x 62 (LxBxH)
10005260	187 x 82 x 62 (LxBxH)





R3713... LED reccessed reading luminaire "flexible arm"





Specification

Incl. light source: $3 \times LED$, material: stainless steel / brass / acryl, integrated on-/off-switch, incl. driver for 230 V-connection, built-in box \emptyset 68 mm/ installation depth 65 mm incl.

Energy efficiency class: A++ to A

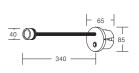
Article no.	Colour of cabinet	Power	Colour temperature	
R3713W	stainless steel	4,2 W	6500 K	
R3713NW	stainless steel	4,2 W	4100 K	
R3713WW	stainless steel	4.2 W	3100 K	





R3715... LED recessed reading luminaire "flexible arm"





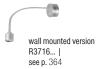


Specification

Incl. light source: 3 x LED, material: stainless steel / brass / acryl, integrated on-/off-switch, incl. driver for 230 V-connection, built-in box Ø 68 mm/ installation depth 65 mm incl., lense: 80°

Energy efficiency class: A++ to A

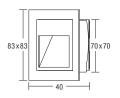
Article no.	Colour of cabinet	Power	Colour temperature	:
R3715W	stainless steel	3,6 W	6500 K	\supset
R3715NW	stainless steel	3,6 W	4100 K	
R3715WW	stainless steel	3.6 W	3100 K	

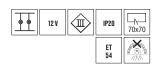


522941

Low voltage recessed wall light







Specification

For low voltage lamp: 1 x G4 QT9, material: steel

delivery incl. in-wall box (dimensions: 72 x 70 mm; installation depth 54 mm)

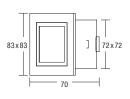
Energy efficiency class: A+ to C

Article no.	Colour of cabinet	Power
522941	alu satin	max. 20 W

Drivers see page 645.

522942 Low voltage recessed wall light







Specification

For low voltage lamp: 1 x G4 QT9, material: cast / frosted glass

delivery incl. in-wall box (dimensions: $76\,x\,76\,mm$; installation depth $75\,mm$)

Energy efficiency class: A+ to C

Article no.	Colour of cabinet	Power
522942	alu satin	max. 20 W

Drivers see page 645.

logo spots



Eye-catching and unique



With these spotlights, you can create customised products with your own personal design! Whether as a ceiling or a recessed wall luminaire, give your creativity free rain.

E.g. affix your company, business or association logo to your spotlight or even transfer your Cl (corporate identity) to the lights in your business or association premises. Even photos or ornaments can be included within the products if you wish!

This is how it works: Just send us your high resolution print with your design. We will affix this on the carrier material with digital or screen printing, and mount it on the spots. And your customised spotlights are finished!

Of course this is only makes sense when you order a particular quantity! Come and have a chat to us, we are happy to advise you!



recessed

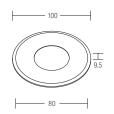
in-ground light



3900... LED-in-ground light Indoor









Specification

Incl. light source: 3x SMD-LED, power: approx. 0,4 W, material: stainless steel / acryl

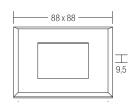
the connecting cable article 3714 and coupler article 3715 must be ordered separatly (see example for installation)!

article-no	colour of cabinet	colour temperature
3900W	stainless steel	6500 K
3900WW	stainless steel	3000 K

3901... LED-in-ground light Indoor









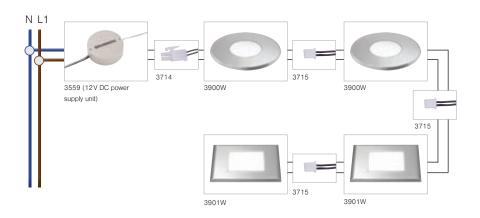
Specification

Incl. light source: 3x SMD-LED, power: approx. 0,4 W, material: stainless steel / acryl

the connecting cable article 3714 and coupler article 3715 must be ordered separatly (see example for installation)!

article-no	colour of cabinet	colour temperature
3901W	stainless steel	6500 K
3901WW	stainless steel	3000 K

example for installation 3900W + 3901W



3711 / 3712

in-wall box (round) for article 3900... or 3901...







Specification

colour: grey

article-no.	suitable for
3711	3900
3712	3901

3559 round transformer 10W



12 V DC | IP20 |

Specification

cable length: prim. 90 mm, sec. 80 mm, AMP-connector, prim. 230V, sec. 12V DC, power: 0,1- 10 W, dimensions: Ø 57,5 mm, installation depth 19 mm

article-no.

3559

3713 in-wall box for round transformer, two - parts





Specification

for in-wall mounting behind baseboard, colour: grey dimensions: $180 \times 32 \text{mm}$

article-no.

3713

3714 / 3715 connection / coupler





Specification

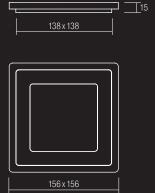
 $3714\colon \text{Cable 2} \times 0.34 \text{ mm}^2 \text{ black}$, 5000 mm length, for connection between transformer (secondary) and first luminaire, JST coupler for light source connection, AMP-plug for transformer connection

article-no.

3715

3715: Cable 2 x 0,34 mm² black, 2000 mm length, for connection among luminaires

- > high-efficiency OLED of latest generation
- > walk-on-able
- > glare free panel light source
- > extremely flat recessing depth
- > low heat
- > low power consumption
- > elegant design
- > incl. sep. converter for connection to 230 V
- > pleasant light distribution
- > warm light colour







installation depth only 15 mm

OLED, THE INNOV FOR INDOOR APPLI

Always at the cutting edge: latest technology // exclusive lighting design



IP67



ATION CATIONS

Art -No. 14901223

OLED GROUND RECESSED

Light source: organic LED, light temperature: warm white / 3000 K, power: 6,5 W, color rendering index CRI: >80, material: aluminium / glass, color: black, 1-10 V dimming; dimensions: 156 x 156 mm, installation depth: 15 mm, ground-cutout; 138 x 138mm, Dimensions OLED controller: 58 x 50 x 12 mm, Dimensions power supply: 145 x 55 x 19 mm

Energy efficiency class: A++ to A



surface mounted



ceiling

320

wall

344









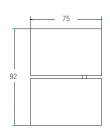
surface mounted

ceiling



12062173 Surface mounted LED spot









Specification

Incl. light source: 1x LED, power: 6.2 W (circular light slot), beam angle: 34°, material: aluminium / clear glass, operating unit included, not dimmable.

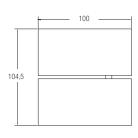
Article-No.	Colour of cabinet	Colour temperature
12062173	textured white	3000 K 🔵

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12061073 Surface mounted LED spot









Specification

Incl. light source: LED, material: aluminium, with circular light slot, not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Equivalent ceiling-recessed version art.-no. 12407073 | see page 147.

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle
12061073	white	9,8 W	3000 K 🔵	FL

12067173

LED ceiling / wall mounted luminaires















Specification

Incl. light source: 1x LED, power: 14 W, beam angle: 40° , consisting of base cylinder (height 125 mm x diameter 60 mm) and side-mounted swivel cylinder (height 50 mm x diameter 100 mm), ceiling mounting via screw mounting, direct light emission, can be rotated 355° and pivoted 180° , dimensions: height min.140 mm, height max. 170 mm x widht 165 mm, material: aluminium, operating unit included, phase-dimmable.

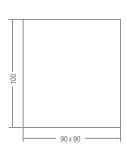
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12067173	textured white	3000 K

12064173 Surface mounted LED spot









Specification

Incl. light source: 1 x LED, power: 15 W, material: aluminium / plastic clear, beam angle: 32°

Operating unit included, phase-dimmable.

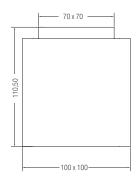
Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temperature	
12064173	textured white	3000 K	

12040173

LED ceiling mounted luminaire with indirect light







NEW

Specification

Incl. light source: 1x LED, power: 9 W (directly) + 1,5 W (indirectly), material: aluminium / plastic, phase-dimmable, operating unit included.

Energy efficiency class: A++ to A

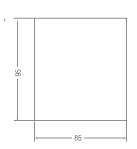
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12040173	textured white	3000 K

Design by Lounge Design Idea: Michael Ruschmann

12063173 Ceiling mounted LED spot







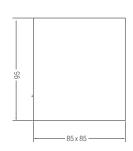
Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38°, material: aluminium / clear glass, operating unit included for 230 V-connection, not dimmable.

Article-No. Colour of cabinet		Colour temperature	
12063173	textured white	3000 K	

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.



12065173 Ceiling mounted LED spot



Specification

Incl. light source: 1x LED, power: 6 W, beam angle: 38°, material: aluminium / clear glass, operating unit included for 230 V-connection, not dimmable.

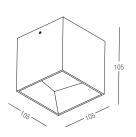
Article-No. Colour of cabinet		Colour temperature	
12065173	textured white	3000 K	

Energy efficiency class: A++ to A

12020173

LED ceiling mounted luminaire









Detail: Light-emitting

Specification

Incl. light source: 1 x LED, power: 9.8 W, asymmetrically arranged light emission, dimensions: 1 105 x w 105 x h 105 mm material: aluminium / plastic, driver included, not dimmable.

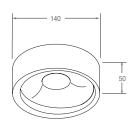
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
12020173	textured white	3000 K

12060... LED ceiling mounted luminaire







NEW

Specification

Incl. light source: 1 x LED, power: 10 W, direct light emission, slightly decentral light emission aperture as design element, material: aluminium / plastic, driver included, not dimmable.

Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temperature	
12060173	textured white	3000 K	
12060174	textured white	4000 K	

12068173 LED ceiling mounted luminaire



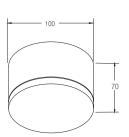
















Specification

Incl. light source: 1 x LED, power: 9 W, direct light emission, material: aluminium / plastic satin driver included, phase-dimmable.

Article-No.	Colour of cabinet	Colour temperature	
12068173	textured white	3000 K	

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12039173 LED ceiling mounted luminaire

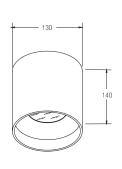
















Specification

Incl. light source: 1 x LED, power: 14 W, direct light emission, material: aluminium / clear glass, driver included, not dimmable

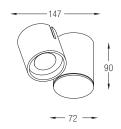
Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temperature
12039173	textured white	3000 K

12028173

LED ceiling / wall mounted luminaires













Specification

Incl. light source: 1x LED, power: 7 W, beam angle: 30°, consisting of base cylinder (height 90 mm x diameter 72 mm) and side-mounted swivel cylinder (height 90 mm x diameter 72 mm), ceiling mounting via screw mounting, direct light emission, dimensions: height min. 90 mm, height max. 130 mm x w 147 mm, material: aluminium / clear glass, diver included, not dimmable.

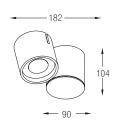
Article-No.	Colour of cabinet	Colour temperature	
12028173	textured white	3000 K	

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12029173 LED ceiling / wall mounted luminaires











Specification

Incl. light source: 1x LED, power: 15 W, beam angle: 30°, consisting of base cylinder (height 104 mm x diameter 90 mm) and side-mounted swivel cylinder (height 85 $\,$ mm x diameter 90 mm) ceiling mounting via screw mounting, direct light emission, dimensions: height min. 104 mm, height max. 130 mm x width 182 mm, material: aluminium / clear glass, diver included, not dimmable.

Energy	efficiency	class:	A++	to	A

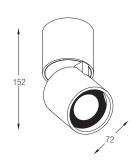
Article-No. Colour of cabinet		Colour temperature	
12029173	textured white	3000 K	

12037173

LED ceiling / wall mounted luminaires









NEW

Specification

Incl. light source: 1x LED, power: 7 W,

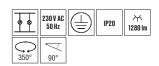
beam angle: 30°, consisting of base cylinder and swivel cylinder beneath mounted (height 152 mm x diameter 72 mm), ceiling mounting via screw mounting, direct light emission, material: aluminium / clear glass, diver included, not dimmable.

Article-No.	Colour of cabinet	Colour temperature
12037173	textured white	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12038173 LED ceiling / wall mounted luminaires











Specification

Incl. light source: 1x LED, power: 15 W,

beam angle: 30°, consisting of base cylinder and swivel cylinder beneath mounted (height 175 mm x diameter 90 mm), ceiling mounting via screw mounting, direct light emission, material: aluminium / clear glass, diver included, not dimmable.

Article-No. Colour of cabinet		Colour temperature	
12038173	textured white	3000 K	

Energy efficiency class: A++ to A





Specification

Incl. light source: LED, Material: aluminium / plastic, Incl. operating device, not dimmable.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88527073	white / black	26 W	3000 K 🔵	FL





Specification

Incl. light source: LED, Material: aluminium / plastic, Incl. operating device, not dimmable.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88528073	white / black	26 W	3000 K	FI





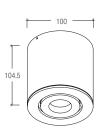
Specification

Incl. light source: LED, material: aluminium / clear glass, incl. driver for $230\,V$ -connection, not dimmable.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle
12083173	textured white	10 W	3000 K	FL







Specification

Incl. light source: LED, material: aluminium / acryl, not dimmable. incl- driver, not dimmable, not applicable for through-wiring.

Article-no. Colour of cabinet Power Colour temperature Beam angle 12055073 white 7W 3100 K FL

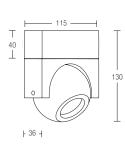
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

 $0^{\circ}\text{-}8^{\circ} = \text{SSP (Super Spot)}, 9^{\circ}\text{-}18^{\circ} = \text{SP (Spot)}, 19^{\circ}\text{-}29^{\circ} = \text{MF (Medium Flood)}, 30^{\circ}\text{-}45^{\circ} = \text{FL (Flood)}, 46^{\circ}\text{-}60^{\circ} = \text{WFL (Wide Flood)}, 10^{\circ}\text{-}40^{\circ}\text{-}10^{\circ}\text{-$

R3037... decorative surface mounted LED light







Design by Lounge Design

Specification

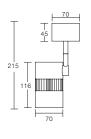
Incl. light source: 1x power LED, power: approx. 3,3 W, beam angle: $45^\circ,$ material: aluminium, incl. driver for 230 V-connection, lighthead tilting and turning, not dimmable.

Energy efficiency class: A++ to A

Article-no.	colour of cabinet	power	colour of temperature	Flux
R3037NW4	alu satin	3,3 W	4100 K	283 lm
R3037 W4	alu satin	3,3 W	6500 K	300 lm
R3037 WW4	alu satin	3,3 W	3100 K	172 lm

12009073 surface mounted LED light







Specification

Incl. light source: LED, power: about 6 W, beam angle: 20° , material: aluminium, incl. driver for 230 V-connection, not dimmable.

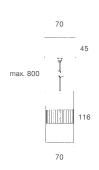
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

article-no.	colour of cabinet	power	colour of temperature	Beam patterns
12009073	white / black	6 W	3000 K 🔵	20°

12008073 Pendant LED light







Specification

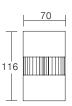
Incl. light source: LED, power: 7 W, beam angle: 20°, material: aluminium, incl. driver for 230 V-connection, not dimmable.

Energy efficiency class: A++ to A	
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article-no.	colour of cabinet	power	colour of temperature	Beam patterns
12008073	white / black	7 W	3000 K 🔵	20°

12007073 LED surface-mounted luminaire







Specification

Incl. light source: LED, warm white, $3000\,\text{K}$, power: about $6\,\text{W}$, beam angle: 20° , material: aluminium, incl. driver for $230\,\text{V}$ -connection, not dimmable.

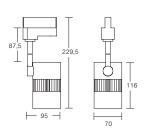
article-no.	colour of cabinet	power	colour of temperature	Beam patterns
12007073	white / black	6W	3000 K	20°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

12010073 LED track spot







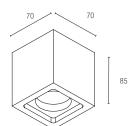
Specification

Incl. light source: LED, power: about 6 W, beam angle: 20° , warm white, $3000\,\mathrm{K}$, material: aluminium, Colour: white / black power supply unit and 3 phase track adapter inclusive, not dimmable.

article-no.	colour of cabinet	power	colour of temperature	Beam patterns
12010073	white / black	6 W	3000 K	20°

Energy efficiency class: A++ to A







Specification

Incl. light source: LED, material: aluminium / clear glass, not dimmable.

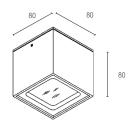
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle
12076173	textured white	7 W	3000 K 🔵	30°

12077173 Surface mounted LED spot







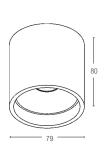
Specification

Incl. light source: LED, material: aluminium / frosted glass, not dimmable.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle
12077173	textured white	7 W	3000 K	120°







Specification

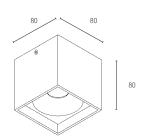
Incl. light source: LED, material: aluminium / plastic, not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Ar	ticle-no.	Colour of cabinet	Power	Colour temperature	Beam angle
12	2072183	textured black / satin gold	4 W	3000 K	40°







12073183

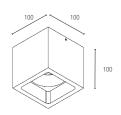
Specification

Incl. light source: LED, power: 4 W, material: aluminium / plastic, not dimmable.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle	
12073183	textured black / satin gold	4 W	3000K 🔵	40°	







Specification

Incl. light source: LED, material: aluminium / clear

glass, not dimmable.

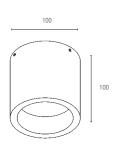
En	erç	jy e	effic	iency	class:	A+	+	to	A	

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle	
12075183	textured black	15 W	3000 K	40°	

12074183 Surface mounted LED spot







Specification

Incl. light source: LED. Material: aluminium / clear gl

Energy efficiency class: A++ to A
glass, not dimmable.
inci. light source. LLD, Material. aluminium / Clear

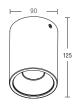
Elicity chickery class. A to A	
This luminaire contains incorporated and	d
non-exchangeable LED light sources.	

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle
12074183	textured black	15 W	3000 K	40°



88521... Surface mounted LED downlight







Specification

Incl. light source: LED, material: aluminium / clear glass

Incl. operating device.

This luminaire contains incorporated and non-exchangeable LED light sources.

Energy efficiency class: A++ to A

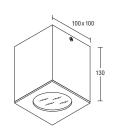
This luminaire contains incorporated and nonexchangeable LED light sources.dimmable via leading edge

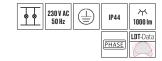
Dimmable via leading edge.

Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88521173	textured white	12 W	3000 K 🔵	WFL (85°)
88521183	textured black	12 W	3000 K	WFL (85°)
88521693	textured silver	12 W	3000 K 🔵	WFL (85°)

88522... Surface mounted LED downlight







Specification

Incl. light source: LED, material: aluminium / clear glass

Incl. operating device.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Dimmable via leading edge

Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88522173	textured white	12 W	3000 K 🔵	WFL (85°)
88522183	textured black	12 W	3000 K	WFL (85°)
88522693	textured silver	12 W	3000 K 🔵	WFL (85°)

88523... Surface mounted LED downlight



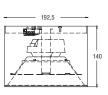














Specification

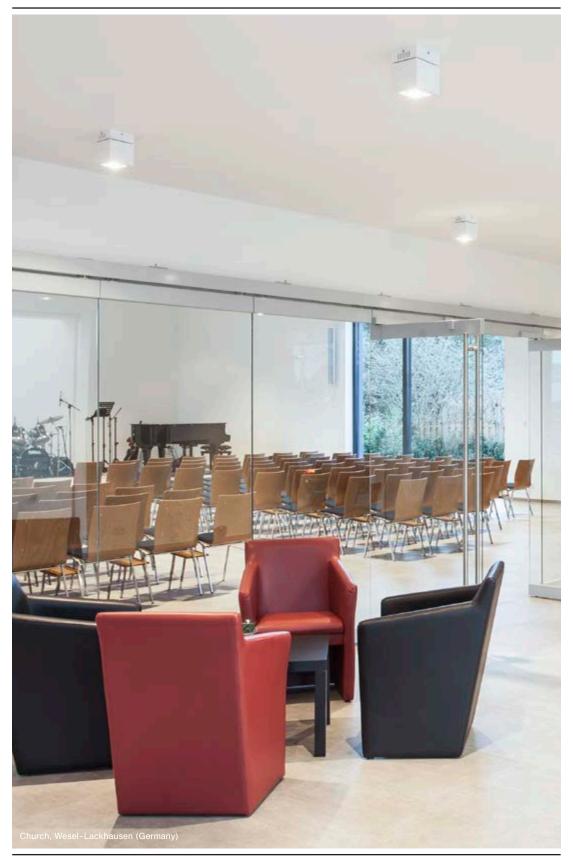
Incl. light source: LED, material: aluminium / clear glass, incl. operating device, not dimmable.

Energy efficiency class: A++ to A

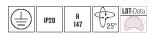
Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88523173	textured white	26 W	3000 K 🔘	WFL (60°)
88523183	textured black	26 W	3000 K	WFL (60°)
88523693	textured silver	26 W	3000 K	WFL (60°)

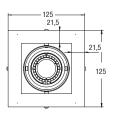


 $0^{\circ}\text{-}8^{\circ} = \text{SSP (Super Spot)}, \ 9^{\circ}\text{-}18^{\circ} = \text{SP (Spot)}, \ 19^{\circ}\text{-}29^{\circ} = \text{MF (Medium Flood)}, \ 30^{\circ}\text{-}45^{\circ} = \text{FL (Flood)}, \ 46^{\circ}\text{-}60^{\circ} = \text{WFL (Wide Flood)}, \ 10^{\circ}\text{-}10^{\circ}\text{-$



46301170 / 88503173 Surface mounted spot







Base model low-voltage

For low voltage lamp: GX5,3 QRCBC51, power: max. 50 W, material: steel, incl. transformer, without bulb

Energy efficiency class: A to C

Article-no. Colour of cabinet

46301170 textured white



LED-Set, including driver

Incl. light source: LED, power: 6,6 W, beam angle: 38°, material: steel / clear glass, incl. driver for 230V-connection, not dimmable

Energy efficiency class: A++ to A

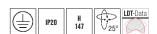
This luminaire contains incorporated and non-exchangeable LED light sources.

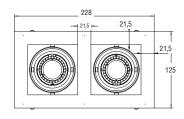
Article-no.		Colour of cabinet	Colour temperature	
	88503173	textured white	2700 K	



modular construction: further light colors and power outputs are available on demand

46304170 / 88506173 Surface mounted twin-spot







Base model low-voltage

For low voltage lamp: $2 \times GX5, 3 \ QRCBC51$, power: max. $2 \times 50 \ W$, material: steel incl. transformer, without bulb

Energy efficiency class: A to C

Article-no. Colour of cabinet
46304170 textured white



LED-Set, including driver

Incl. light source: $2 \times LED$, power: $2 \times 6,6 \, W$, beam angle: 38° , material: steel / clear glass, incl. driver for 230V-connection, not dimmable

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
88506173	textured white	2700 K



modular construction: further light colors and power outputs are available on demand



surface mounted

wall mounted









10052173

LED wall mounted spotlight



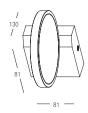














Specification

Incl. light source: 1x LED, power: 6.5 W, direct / indirect light emission, pivotable light plate, diameter: 115 mm, dimensions: I 81 mm x w 81 mm x h 33 mm, max. extension: 130 mm, material: aluminium / plastic opal (cover), not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	
10052173	textured white	3000 K	

10051173 LED wall mounted spotlight











230 V AC

50 Hz



Ж

190 lm



Specification

Incl. light source: 1x LED, power: 4 W, direct / indirect light emission, pivotable inner section, diameter: 105 mm, max. extension: 65 mm (max. 75 mm), material: aluminium / plastic opal, not

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour tem	Colour temperature		
10051173	textured white	3000 K	0		

dimmable.

10053173 LED wall mounted spotlight





NEW







Specification

Incl. light source: 1x LED, power: 7 W, direct / indirect light emission, pivotable light plate, diameter: 125 mm, height 80 mm, height of base housing: 27 mm, max. extension: 155 mm, material aluminium / plastic opal (cover), not dimmable

> 350 lm

Article-No.	Colour of cabinet	Colour temper- ature
10053173	textured white	3000 K 🔵

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

10032183 LED wall mounted luminaire



230 V AC

Can be mounted as up- or downlight

- 81 -



Specification

Incl. light source: 1x LED, power: 4 W, direct or indirect light emission, diameter: 81 mm, height: 300 mm, extension: 91 mm, material: aluminium / glass, not dimmable.

Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temperature
10032183	textured black / gold satin	3000 K



10021173 LED wall mounted luminaire



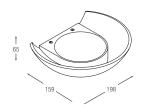
















Specification

Incl. light source: 1x LED, power: 2x 4 W, indirect light emission, dimensions: h 65 x w 198 mm, extension: 159 mm, material: aluminium / clear glass, not dimmable

Article-No.	Colour of cabinet	Colour temper- ature
10021173	textured white	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

10020173 LED wall mounted luminaire



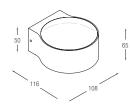
















Specification

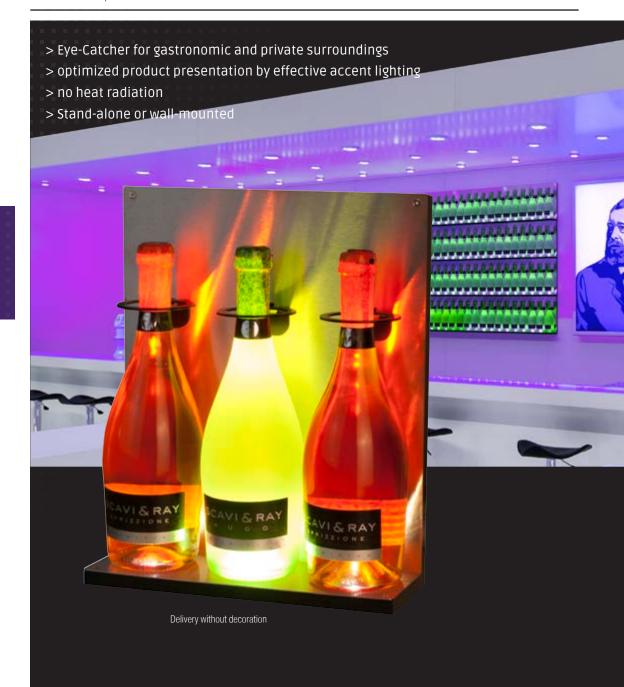
Incl. light source: 2x LED, power: 2 x 4 W, Direct and indirect light emission, dimensions: h 65 mm x w 108 mm, extension: 116 mm, material: aluminium / clear glass, not dimmable.

Energy efficiency class: A++ to A

Article-No.	Colour of cabinet	Colour temper- ature
10020172	toyturad whita	3000 K







EYE-CATCHER

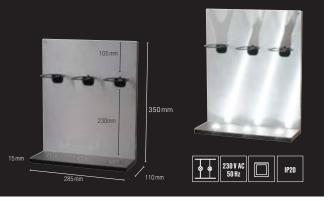


Art.-No. 10901223

Hangover LED-BOTTLE RACK

Incl. light source: $3 \times 1,0 \text{W}$ LED, colour temperature: $6000 \, \text{K}$, material: stainless steel / steel Incl.operating device for $230 \, \text{V}$, not dimmable.

Energy efficiency class: A++ to A

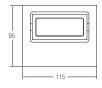


10012173

LED wall mounted luminaire









Specification

Incl. light source: 1 x LED, Power: 3 W material: aluminium / clear glass, colour: textured white, warm white, 3000 K. incl. driver for 230V-connection, not dimmable.

adjustable luminaire head

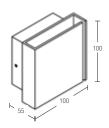
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Colour Article-no. temperature 10012173 3000 K

10056173 LED wall mounted luminaire









Up & Down

Specification

Incl. light source: LED, material: aluminium

Including light source and operating device, not dimmable.

Not applicable for through-wiring.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature
10056173	textured white	4 W	3000 K

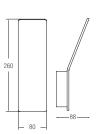
10014173 LED wall mounted luminaire













Specification

Incl. light source: 1 x LED, warm white, 3000 K, power: about 6 W, material: aluminium, colour: textured white.

Article-no.	Colour	
AI LICIG-IIU.	temperature	
10014173	3000 K	

incl. driver for 230V-connection, not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

500940W LED wall mounted luminaire

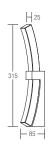














Specification

Incl. light source: 1 x LED, power: approx 1 W, material: aluminium / crystal partially satined, colour: chrome, 1 W, incl. driver for 230V-connection, not dimmable.

Article-no.	Colour temperature	
500940W	6500 K	0

Energy efficiency class: A++ to A

BOMAC3.2 **BOMAC LED wall light**







reddot design award

Specification

Incl. light source: 2x LED, power: each 1 W, material: aluminium, colour: aluminiumdimensions: L 80mm x W 80mm x projection 88 mm, heads of light are rotatable, Incl. driver for 230 V-connection, not dimmable.

Colour Article-no. temperature BOMAC3.2 3500 K O

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

For all articles on this page the discount category 2 shall be applied.

BOMAC3.4 **BOMAC LED wall light**















reddot design award

Specification

Incl. light source: 2x LED, each 1 W, material: aluminium, colour: black / aluminium, power: dimensions: L 80mm x W 80mm x projection 88 mm, heads of light are rotatable, Incl. driver for 230 V- connection, not dimmable.

Colour Article-no. temperature BOMAC3.4 3500 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

For all articles on this page the discount category 2 shall be applied.

BOMAC3.6 BOMAC LED wall light















reddot design award

Specification

Incl. light source: 2x LED, power: each 1 W,

material: aluminium, colour: chrome, dimensions: L 80 x W 80 mm x projection

heads of light are rotatable, incl. driver for 230 V-connection, not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Colour Article-no. temperature BOMAC3.6 3500 K 🔵

For all articles on this page the discount category 2 shall be applied.



BOMAC4.2 BOMAC LED wall light





IP20



reddot design award

Up & Down

Specification

Incl. light source: $2 \times LED$, power: each 1 W, optics: 10° , material: aluminium, colour: aluminium / black, dimensions: $L80 \times W80 \text{mm} \times V80 \text{mm} \times$

Article-no. Colour temperature
BOMAC4.2 3500 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

For all articles on this page the discount category 2 shall be applied.

BOMAC4.4 BOMAC LED wall light













red<mark>dot</mark> design award

Up & Down

Specification

Incl. light source: 2 x LED, power: each 1 W, optics: 10°, material: aluminium, colour: aluminium / black, dimensions: L80 mm x W80 mm x projection 104 mm, head of light is moveable

projection 104 mm, head of light is moveable Incl. driver for 230 V connection, not dimmable, delivery incl. 2 replacement optics 30°

Article-no. Colour temperature
BOMAC4.4 3500 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

For all articles on this page the discount category 2 shall be applied.

BOMAC4.6 BOMAC LED wall light













reddot design award

Up & Down

Specification

Incl. light source: $2 \times LED$, power: each 1 W, optics: 10° , material: aluminium, colour: chrome, dimensions: $L80 \times W80 \text{ mm} \times \text{projection} 104 \text{ mm}$, head of light is moveable, incl. driver for 230 V connection, not dimmable, delivery incl. 2 replacement optics 30°

Article-no. Colour temperature
BOMAC4.6 3500 K

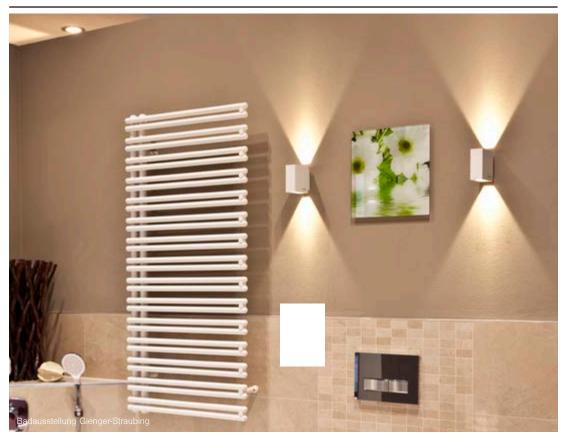
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

For all articles on this page the discount category 2 shall be applied.

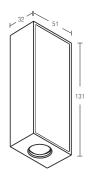
360





10069173 wall mounted LED luminaire







Up & Down

Specification

Incl. light source: LED, material: aluminium

Driver built-in, not dimmable. Not applicable for through-wiring.

Magnetic front panel, magnet for cover removal is contained in scope of dellivery.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature	Beam angle
10069173	textured white	2 x 3 W	3000 K 🔵	60°

10046... wall mounted LED luminaire



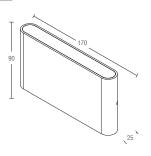
230 V AC 50 Hz













Up & Down

Specification

Incl. light source: LED, material: aluminium / acrylic, cover: opal

Incl. light source and operating device for 230 V, not dimmable.

Not applicable for through-wiring.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Power	Colour temperature
10046253	aluminium	2 x 5,4 W	3100 K 🔵
10046173	textured white	2 x 5,4 W	3100 K 🔾

10045... wall mounted LED luminaire



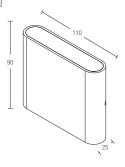














Specification

Incl. light source: LED, material: aluminium / acrylic, cover: opal

Incl. operating device for 230 V, not dimmable. Not applicable for through-wiring.

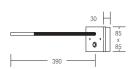
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Power	Colour temperature
10045253	aluminium	2 x 3,6 W	3100 K 🔵
10045173	textured white	2 x 3,6 W	3100 K

R3714...

LED reading luminaire "flexible arm"









Specification

Incl. light source: 3 x power LED, power: approx. 4,2 W in total, Material: stainless steel / brass / acrylic, colour: stainless steel, Integrated on/off-switch incl. driver for 230V-connection, not dimmable.

available as recessed luminaire as well (Art. R3713...)!

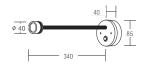
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour
ALLICIE-110.	temperature
R3714W	6500 K
R3714NW	4100 K
R3714 WW	3100 K

R3716... LED reading luminaire "flexible arm"









Specification

Incl. light source: LED, power: approx. 3,6 W in total, material: stainless steel / brass / acrylic, colour: stainless steel Integrated on-/off-switch incl. driver for 230V-connection, not dimmable.

available as recessed luminaire as well (Art. R3713..., see page)!

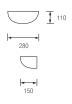
Energy efficiency class: A++ to A

Article-no.	Colour temperature
R3716W	6500 K \bigcirc
R3716NW	4100 K
R3716 WW	3100 K 🔵



783150 wall light plaster, natural textured







Available in LED on request (6,4 W / 800 lm).

Specification

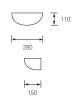
Material: plaster, colour: white

Energy efficiency class: A++ to E

Article-no.	For lamp	Power
783150	1 x P45 E27	max. 42 W

782450 wall light plaster, natural textured







Available in LED on request (6,4 W / 800 lm).

Specification

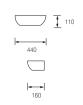
Material: plaster, colour: white

indirect and direct light exit Energy efficiency class: A++ to E

Article-no.	For lamp	Power
782450	1 x P45 E27	max. 42 W

782650 wall light plaster, natural textured







Available in LED on request (6,4 W / 800 lm).

Specification

Material: plaster, colour: white incl. satined covering glass

indirect and direct light exit

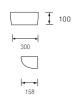
Energy efficiency class: A++ to E

Article-no.	For lamp	Power
782650	1 x P45 E27	max. 42 W



784050 wall light plaster, natural textured







Available in LED on request $(6.4\,\mathrm{W}\,/\,800\,\mathrm{Im}).$

Specification

Material: plaster, colour: white

Energy efficiency class: A++ to E

indirect and direct light exit, incl. satined glass for direct light exit.

3 , , , , ,

Article-no. For lamp Power 784050 1x P45 E27 max. 42 W

785550 wall light plaster, natural textured







Available in LED on request (6,4 W / 800 lm).

Specification

Material: plaster, colour: white

indirect and direct light exit, incl. satined glass for direct light exit.

Article-no.	For lamp	Power
785550	1x P45 E27	max. 42 W

Energy efficiency class: A++ to E

LED inserts

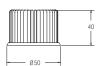




MR16 High-power LED insert dim2warm











6W/507lm

Specification

Light source: LED, power: about 6 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 629.

Energy efficiency class: A

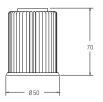
Article-No. Colour temperature 12963003 2800 K - 2000 K

12965003

MR16 High-power LED insert dim2warm











12W/887lm

Specification

Light source: LED, power: about 12 W, beam angle: 38°, CRI > 90, material: aluminium / clear glass

Driver see page 629.

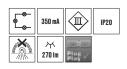
Energy efficiency class: A



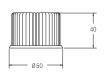


12925... / 12926003

MR16 High-power LED insert



3W/270lm







Specification

Light source: LED, power: about 3 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 628.

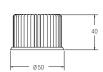
Energy efficiency class: A ++

Article-No.	Colour temperature	
12925003	2700 K	
12926003	3000 K	
12925004	4000 K	

12923... / 12924003 MR16 High-power LED insert



6W/540Im







Specification

Light source: LED, power: about 6 W, beam angle: 38°, material: aluminium / clear glass

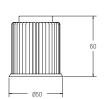
Driver see page 628.

Energy efficiency class: A+

Article-No.	Colour temperature	
12923003	2700 K	
12924003	3000 K	
12923004	4000 K	

350 mA III IP20

6,6 W / 410 lm







12921... / 12922003

Specification

Incl. light source: LED, power: about 6,6 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A

Article-no.	Colour temperatu	ire
12921003	2700 K	
12922003	3000 K	
12921004	4000 K	

12931003 / 12932003

MR16 High-Power-LED insert









9,3 W / 975 lm

Specification

Incl. light source: LED, power: ca. 9,3 W, beam angle: 38°, material: aluminium / clear plastic

Driver see page 628.

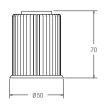
Energy efficiency class: A+

Article-no.	Colour temperature	
12931003	2700 K	
12932003	3000 K	

12953... / 12954003 MR16 High-power LED insert









12W/1100lm

Specification

Light source: LED, power: about 12 W, beam angle: 38°, material: aluminium / clear glass

Driver see page 628.

Energy efficiency class: A+

Article-No.	Colour temperatu	re
12953003	2700 K	
12954003	3000 K	
12953004	4000 K	

1291... QR111 High-Power-LED insert





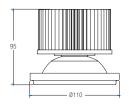








31 W / 3250 lm





Specification

Incl. light source: LED, power: 31 W, material: aluminium

Driver see page 638.

Energy efficiency class: A+

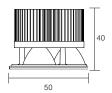
Article-no.	temperat	ure	rendering index	Beam angle
12912003	3000 K		CRI > 80	18°
12913003	3000 K		CRI > 80	30°
12914003	3000 K		CRI > 80	50°



R3704... MR 16 high-power LED insert









4,3 W

Specification

Incl. light source: $3x\,high\mbox{-power}$ LED, power: approx. $4,3\,W,$ material: aluminium / plastic

Driver see page 644.

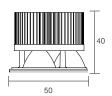
Energy efficiency class: A

Article-no.	Colour temperatur	Flux	Colour-rende- ring-index	Lense
R3704NW2	4100 K	290 lm	CRI >80	25°
R3704NW4	4100 K	283 lm	CRI >80	45°
R3704NW6	4100 K	279 lm	CRI >80	60°
R3704W2	6500 K	314 lm	CRI >75	25°
R3704W4	6500 K	300 lm	CRI >75	45°
R3704W6	6500 K	291 lm	CRI >75	60°
R3704WW2	3000 K	176 lm	CRI >90	25°
R3704WW4	3000 K	172 lm	CRI >90	45°
R3704WW6	3000 K	169 lm	CRI >90	60°

R3705... MR 16 high-power LED insert









3,3 W

Specification

Incl. light source: $3x\ high\mbox{-power LED},$ power: approx. $3,3\ W,$ material: aluminium / plastic

Driver see page 628.

Energy efficiency class: A

Article-no.	Colour temperatur	Flux	Colour-rendering- index	Lense
R3705NW2	4100 K	290 lm	CRI >80	25°
R3705NW4	4100 K	283 lm	CRI >80	45°
R3705NW6	4100 K	279 lm	CRI >80	60°
R3705W2	6500 K	314 lm	CRI >75	25°
R3705W4	6500 K	300 lm	CRI >75	45°
R3705W6	6500 K	291 lm	CRI >75	60°
R3705WW2	3000 K	176 lm	CRI >90	25°
R3705WW4	3000 K	172 lm	CRI >90	45°
R3705WW6	3000 K	169 lm	CRI >90	60°

R3701... MR 16 high-power LED insert



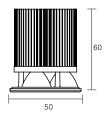
















Specification

Incl. light source: 3x high-power LED, power: approx. 6,7W, material: aluminium / plastic

Driver see page 634.

Energy efficiency class: A

Article-no.	Colour temperatu	ır	Flux	Colour-rendering- index	Lense
R3701NW2	4100 K		435 lm	CRI >80	25°
R3701NW4	4100 K		423 lm	CRI >80	45°
R3701NW6	4100 K		416 lm	CRI > 80	60°
R3701W2	6500 K		442 lm	CRI >75	25°
R3701W4	6500 K		439 lm	CRI >75	45°
R3701W6	6500 K		435 lm	CRI >75	60°
R3701WW2	3000 K		281 lm	CRI >90	25°
R3701WW4	3000 K		274 lm	CRI >90	45°
R3701WW6	3000 K		269 lm	CRI >90	60°













RGB flexible strip

RGB ceiling mounted

381

RGB wall mounted

388













RGB surface- and earth spike flood light

391

RGB accessories



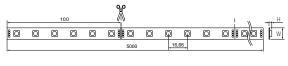
392

15203001 / 15223001 / 15273001 LED flexible strip RGB 14.4W/m





14,4 W/m





Specification

Flexible LED conductor strips fitted with 300x SMD 5050 RGB LEDs, multi-colour; power: max. 72 W (14.4 W/m), beam angle: 120°, width: 10-12.7 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles (starting on p. 492).

*Intended purpose: special product for a decorative application. Not appropriate to use in other applications.

Electrical data

Nominal voltage [V DC]: 24 protection class: III Power input [W/m]: 14.4 Number of LEDs per metre: 60 Current [mA/Chip]: 60 Control: negative (4-core wire)

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° Light colour category: RGB





Article no./5 m	Article no./100 mm	Light colour	Light flux/m	Dimensions [WxH]:
15203001	75203001	red	about 160 lm	• 10 x 2.2 mm
	green	about 430 lm	•	
		blue	about 80 lm	•
	75998000	Customization for	protection class IP00	





Article no./5 m	Article no./100 mm	Light colour	Light flux/m	Dimensions [WxH]:
15223001	75223001	red	about 115 lm	10 x 2.5 mm
		green	about 309 lm	
		blue	about 57 lm	
	75999000	Customization for	increased protection rating IP60)

Resistant silicon coating, impervious to any mechanical stress; wipeable.



Article no./5 m	Article no./100 mm	Light colour	Light flux/m	Dimensions [WxH]:
15273001	75273001	red	about 105 lm	12.7 x 5 mm
		green	about 282 lm	
		blue	about 52 lm	
	75999000	Customization for i	ncreased protection rating IP67	

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; washable.

APPLICABLE PROFILES



Fields of application

Individual colours or colour blending using the red, green and blue colour channels for decorative and accent lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps and many others. Optimized for use with Brumberg RGB controls.

Driver

Starting on page 514, you can find appropriate drivers



Controllers

Starting on page 516, you can find controllers for all signal types

DMX





Additional accessories

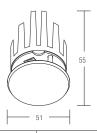
You can find feeds, connectors and direct connectors on page 519.





18101001 LED-RGB-lamp MR16







Specification

Incl. light source: $3\,x$ RGB-LED full colour, power: $13.8\,W,$ incl. optical lense $45^\circ,$ material: aluminium / plastic, connection cable: 4-wire

Important indication for system configuration: control: negative, common anode (C.A)

Driver see page 644, control accessories from page 392.

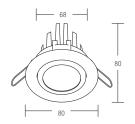
Energy efficiency class: A

Article-no. Light colour
18101001 RGB



18145... Recessed LED-RGB spot







Specification

Incl. light source: $3 \times RGB$ -LED full colour, power: $13.8 \, W$, incl. optical lense 45° , material: steel / aluminium / plastic, connection cable: 4-wire Installation into suspended ceilings by spring fixation.

Important indication for system configuration: control: negative, common anode (C.A)

Driver see page 644, control accessories from page 392.

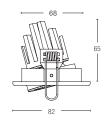
Energy efficiency class: A++ to A

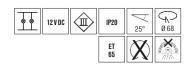
Article-no.	Colour of cabinet	Light colour
18145021	chrome	RGB 👍
18145051	gold	RGB 🚱
18145071	white	RGB 🚱
18145151	nickel satin	RGB 👍
18145171	textured white	RGB 👍
18145201	stainless steel clear powdered	RGB 👍
18145221	stainless steel	RGB 🙆
18145271	stainless steel white powdered	RGB 👍



Recessed LED-RGB spots







Specification

Incl. light source: 3 x RGB-LED full colour, power: 13,8 W,incl. optical lense 45°, material: aluminium / plastic, connection cable: 4-wire

Installation into suspended ceilings by spring fixation.

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

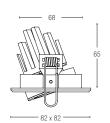
Energy efficiency class: A++ to A

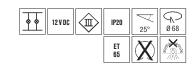
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabin		Light colour	
18110251	alu satin	RGB 🛖	

18111251 Recessed LED-RGB spots







Specification

Incl. light source: $3 \times RGB-LED$ full colour, power: 13.8 W, incl. optical lense 45° , material: aluminium / plastic, connection cable: 4-wire

Installation into suspended ceilings by spring fixation.

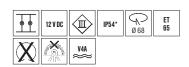
Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

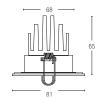
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Light colour
18111251	alu satin	RGB 📤

Recessed LED-RGB spots



*IP54 if installed in closed ceilings.





Specification

Incl. light source: 3 x RGB-LED full colour, power: 13,8 W, incl. optical lense 45°, material: stainless steel A4/AISI 316 / clear glass, connection cable: 4-wire

Installation into suspended ceilings by spring fixation.

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour	
18112221	stainless steel	RGB 🛖	

18113221 Recessed LED-RGB spots



*IP54 if installed in closed ceilings.





Specification

Incl. light source: 3 x RGB-LED full colour, power: 13,8 W, incl. optical lense 45°, material: stainless steel A4 / AlSI316 / clear glass, connection cable: 4-wire

Installation into suspended ceilings by spring fixation.

Important indication for system configuration: control: negative, common anode (C.A.)

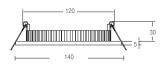
Driver see page 644, control accessories from page 392.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Light colour
18113221	stainless steel	RGB 📤

LED-RGB-panel







Specification

Incl. light source: RGB-SMD-LED 3-1, material: aluminium / plastic, power: 8,5 W, beam angle: 120°, connection cable: 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

Article-no. Colour of cabinet Light colour 18115071 white RGB

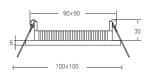
Energy efficiency class: A++ to A

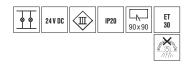
This luminaire contains incorporated and non-exchangeable LED light sources.

18116071

LED-RGB-panel







Specification

Incl. light source: RGB-SMD-LED 3-1, power: 6 W, beam angle: 120°, material: mluminium / plastic, connection cable: 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392

Article-no. Colour of cabinet Light colour 18116071 white RGB

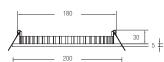
Energy efficiency class: A++ to A

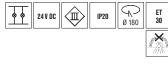
This luminaire contains incorporated and non-exchangeable LED light sources.

18117071

LED-RGB-panel







Specification

Incl. light source: RGB-SMD-LED 3-1, power: 13 W, beam angle: 120°, material: aluminium / plastic, connection cable: 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

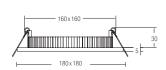


Energy efficiency class: A++ to A



18118071 LED-RGB-panel







Specification

Incl. light source: RGB-SMD-LED 3-1, power: 14 W, beam angle: 120° , material: aluminium / plastic, connection cable: 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

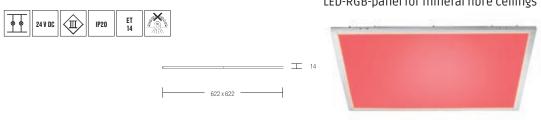
Driver see page 644, control accessories from page 392.

Article-no. Colour of cabinet Light colour 18118071 white RGB

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

18130001 LED-RGB-panel for mineral fibre ceilings



Specification

Incl. light source: RGB-SMD-LED 3-1, material: aluminium / plastic, power: 48 W, suitable for grid ceiling $625 \times 625 \, \text{mm}$

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

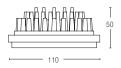
Article-no. Colour of cabinet Light colour

18130001 silver RGB

Energy efficiency class: A++ to A

LED-RGB-lamp QR111







Specification

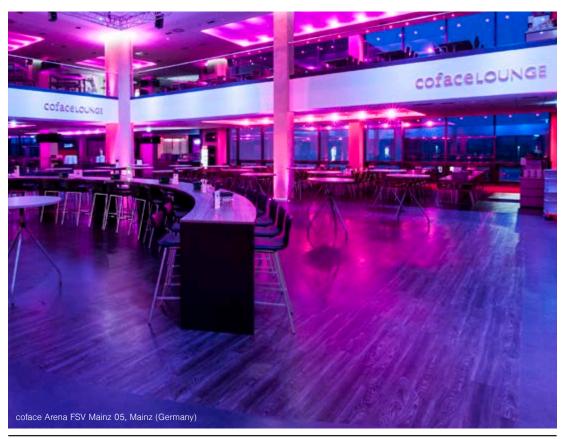
Incl. light source: 6 x RGB-LED full colour, power: 28,0 W, beam angle: 30°, material: aluminium cast, connection cable: 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

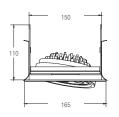
Article-no. Light colour 18102001 RGB

Energy efficiency class: A



Recessed LED-RGB spot







Specification

Incl. light source: $6 \times RGB\text{-LED}$ full colour, power: 28,0 W, beam angle: 30° , rotable 355° , material: aluminium,

Article-no.	Colour of cabinet	Light colour
18119251	alu satin	RGB 🚱

Installation into suspended ceilings by spring fixation (thrust spring).

Important indication for system configuration: control: negative, common anode (C.A.)

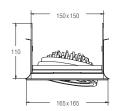
Driver see page 644, control accessories from page 392.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

18120251 Recessed LED-RGB spot







Specification

Incl. light source: 6 x RGB-LED full colour, power: 28,0 W, beam angle: 30° material: aluminium, rotable

Article-no. Colour of cabinet Light colour

18120251 alu satin RGB

Installation into suspended ceilings by spring fixation (thrust spring).

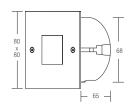
Important indication for system configuration: control: negative, common anode (C.A.))

Driver see page 644, control accessories from page 392.

Energy efficiency class: A++ to A

LED-RGB-recessed wall light







Specification

Incl. light source: 1 x RGB-LED Multicolor, power: 1,0 W, material: stainless steel / acrylic opal / plastic, connection cable: 4-wire, recessing box \emptyset 68 mm / installation depth 65 mm

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

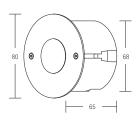
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour	
18126221	stainless steel	RGB 🛖	

18127221 LED-RGB recessed wall light







Specification

Incl. light source: 1 x RGB-LED Multicolor, power: 1,0 W, material: stainless steel / acrylic opal / plastic, connection cable: 4-wire, recessing box Ø 68 mm / installation depth 65 mm

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

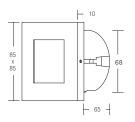
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Light colour	
18127221	stainless steel	RGB 🛖	

18140...

LED-RGB-recessed wall light







Specification

Incl. light source: 1 x RGB-LED Multicolor, power: 1,0 W, material: stainless steel / acrylic opal/plastic, connection cable: 4-wire recessing box \emptyset 68 mm / installation depth 65 mm

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

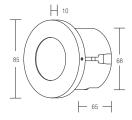
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour
18140171	textured white	RGB 🚱
18140201	stainless steel	RGB 🍊

18141... LED-RGB wall recessed light







Specification

Incl. light source: 1 x RGB-LED Multicolor, power: 1,0 W, material: stainless steel / acrylic opal / plastic, connection cable: 4-wire, recessing box Ø 68 mm / installation depth 65 mm

Important indication for system configuration: control: negative, common anode (C.A.)

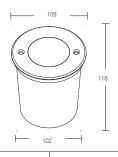
Driver see page 644, control accessories from page 392.

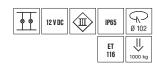
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Light colour
18141171	textured white	RGB 👍
18141201	stainless steel	RGR 🔼

Ground recessed LED-RGB luminare







Specification

Incl. light source: 6 x RGB-SMD-LED full colour, power: 1,5 W material: stainless steel / aluminium / glass frosted, incl. mounting sleeve (Ø 102 x 111 mm), incl. 1000 mm connection cable, 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

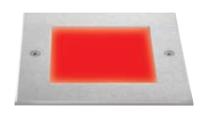
Driver see page 644, control accessories from page 392.

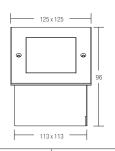
Energy efficiency class: A++ to A

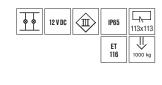
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour	
18131201	stainless steel	RGB 👍	

18132201 Ground recessed LED-RGB luminare







Specification

Incl. light source: 6 x RGB-SMD-LED full colour, power: 1,5 W, material: stainless steel / aluminium / glass frosted / plastic, incl. mounting sleeve (113 x 113 x 96 mm), incl. 1000 mm connection cable, 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

Energy efficiency class: A++ to A

rticle-no.	Colour of cabinet	Light c	olour
8132201	stainless steel	RGB	•

Ground recessed LED-RGB luminare







Specification

Incl. light source: $3 \times RGB-LED$ full colour, power: 13,8 W, beam angle: 45° , material: stainless steel / aluminium / clear glass incl. mounting sleeve (\emptyset $104,5 \times 114,5 \text{ mm}$) incl. 1000 mm connection cable

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

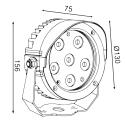
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour
18133201	stainless steel	RGB 👍

18135111

LED-RGB surface- and earth spike flood light





Specification

incl. light source: 6 x RGB-Multicolor-LED, power: 26 W, beam angle: 30°, material: aluminium / clear glass, incl. 5000 mm connection cable, incl. swivel bracket, 4-wire

Important indication for system configuration: control: negative, common anode (C.A.)

Driver see page 644, control accessories from page 392.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.



Optional accessory:

Earth spike article-no.: 18136000



RGB-controller and radio remote control











Specification

Voltage: 12-24 VDC, Power: max. 6 A per channel, output: max. 216 W / 432 W (12 V DC / 24 V DC), Control: negative (shared anode), common ancode (C.A.) radio frequency: 2.4 GHz, range: ~30 m, adjustable dimming range: 5-100%, controller connection through screw terminals, controller dimensions (L x W x H): 85 x 45 x 23 mm, radio remote control dimensions (L x W x H): 120 x 52 x 20 mm, radio remote control batteries: 3 V DC / 2x AAA (not included).

This pure RGB radio control creates 3 PWM signals to control the colour of RGB LED modules.

The following functions are possible through the remote touch operation:

- Intuitive colour adjustment via the colour selection wheel.
- Selection of 9 colour change programmes.
- Brightness adjustment of static colours through the touch field.
- Speed adjustment of colour change in the running programme.
- Up to 4 switch groups via remote control (multi-room operation).
- Separate on and off switch of all 4-switch groups of the lighting unit.
- Synchronisation of all 4-switch groups via a long push of the button.

Any desired number of LED controllers may be allotted for one zone. Each LED controller can be connected with a maximum of four radio remote controls.

Article-no. Descripton

18187000 RGB-Set (Controller incl. radio remote control)

Article-no.

Descripton 18188000 RGB controller, single

18189000 RGB radio remote control, single



Master/Slave RGB remote radio control RGB(W)











Specification

Voltage: 12-36 V DC; current: max. 5 A per channel (for 18195000: maximum 2.5 A per channel or 3 x 3.3 A), RGB power: max. 180 W / 360 W (12 V DC / 24 V DC), RGBW power: max. 240 W / 480 W (12 V DC / 24 V DC), control: negative (common ancode (C.A.); radio frequency: 868 MHz, Dimming range: 0-100%; dimensions (L x W x H): 160 x 45 x 18 mm

The RGB radio control creates 3 signals to control the colour of LED modules.

Required control accessories:

RGB radio remote control 18193000, alternatively glass touch panel 18194...

After training the radio control 18192000 onto the remote control or glass touch panel, the control can be used as a radio master or radio slave (max. 4 units) for a power extension of the system.

For larger RGB(W) systems (> 4 controls), a wired RGB(W)-control slave 18195000 must be used. Please refer to the technical description for additional functions.

Article-no.	Description	
18192000	Master controller	
18195000	Slave controller, tethered	

18193000

Remote control for RGB (W) control unit 18192000







Specification

Dimensions: 120 x 50 x 15 mm; frequency: 868 MHz; range: up to 20 m, batteries: 3 x 1.5 V DC AAA (not included).

The following functions are available using the remote control:

- Intuitive colour setting using the touch colour dial (RGB)
- Choice of 4 different programmes (soft colour change, soft colour change warm colours, soft colour change cool colours, hard colour change)
- Increasing and decreasing the programme speed
- Increasing and decreasing brightness using the function button + colour dial
- Operating and selecting 2 separate zones (multi-room control) using a remote control
- Switching the lighting system on and off
- Up to 4 colours can be directly saved and called up using the appropriate buttons

Article-no.

18193000

BRUMBERG[®]

18194...

Wall-mounted-panel for RGB(W) control unit 18192000





Specification

Dimensions: $86 \times 86 \times 12$ mm; frequency: 868 MHz; range: up to 20 m, nominal voltage: 110 - 230 V AC / 50 Hz.

The following functions are available using the wall panel:

- Intuitive colour setting using the touch colour dial (RGB)
- Choice of 10 colour changing programmes
- $\mbox{Start}\,/\mbox{ stop,}$ changing the colour change programme using one button
- Direct access to the colours (red / green / blue / white)
- Operating and selecting 4 separate zones (multi-room-control) using a wall panel
- Switching the lighting system on and off
- Up to 4 colours can be directly saved and called up using the appropriate buttons

Article-no.	Colour
18194070	white
18194080	black

18186000 LED-RGB control











Specification

Voltage: 12-24 V DC, current: max. 2,5 A (0,83 per channel), power consumption: max. 30 W / 60 W (12 V DC / 24 V DC), control: negative common anode (C.A.), colour-control: potential free button dimensions: $190 \times w30 \times h19$ mm .

This control unit is to be used for pre-programmed colour flow control of LED modules. The control unit produces 3 PWM control signals for colour control of LED modules. The 3 PWM signals are controlled by an externally connected push-button and a pre-programmed programme sequence.

The following functions can be selected:

- recall of a colour flow with three different and variable speeds in colour flow

Delivery will take place according to our general terms of sale, see page 680.

- colour tone recall and storage of a colour flow

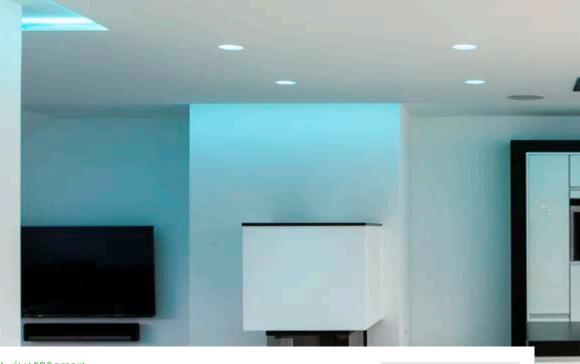
In case of an interruption and re-start of the supply voltage, the control unit starts with the lastly selected function (colour flow or selected colour tone).

CA-control / common ancode

Article-no.

18186000

vitaLED® 2.0



vitaLED® smart

414

vitaLED® 2.0 ceilling

424

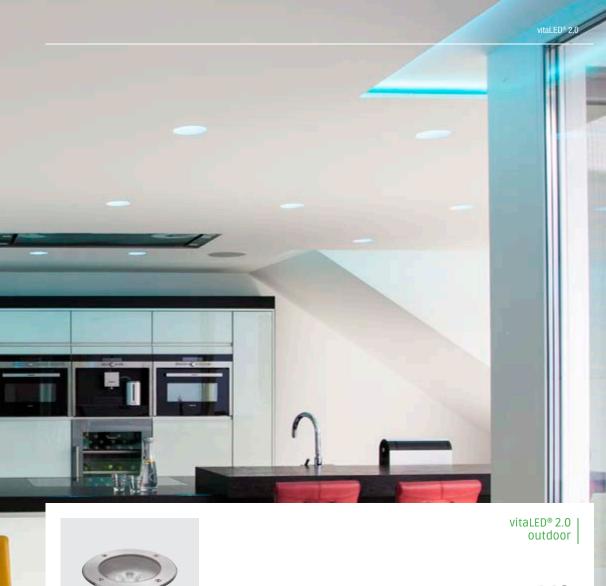
vitaLED® 2.0 wall mounted

442









vitaLED® 2.0 flexible strip

444

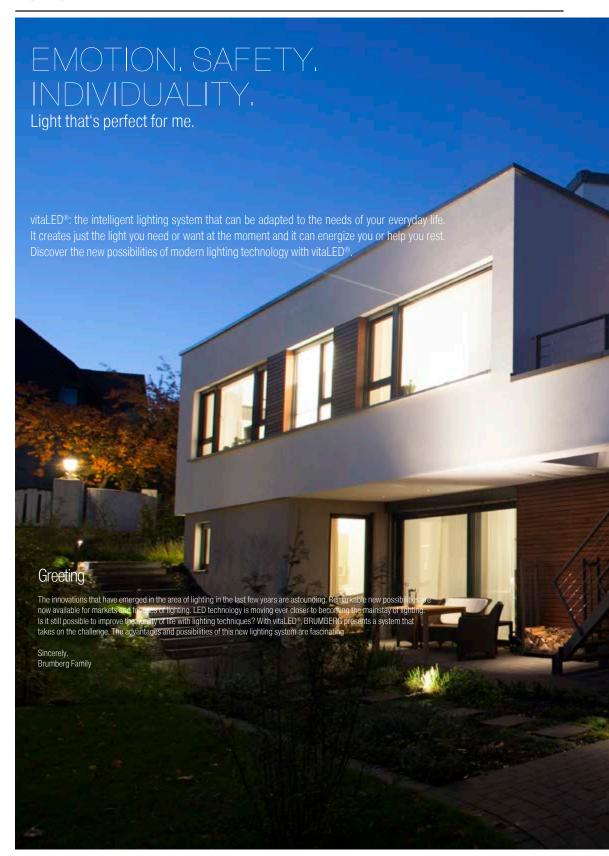
vitaLED® 2.0 accessories

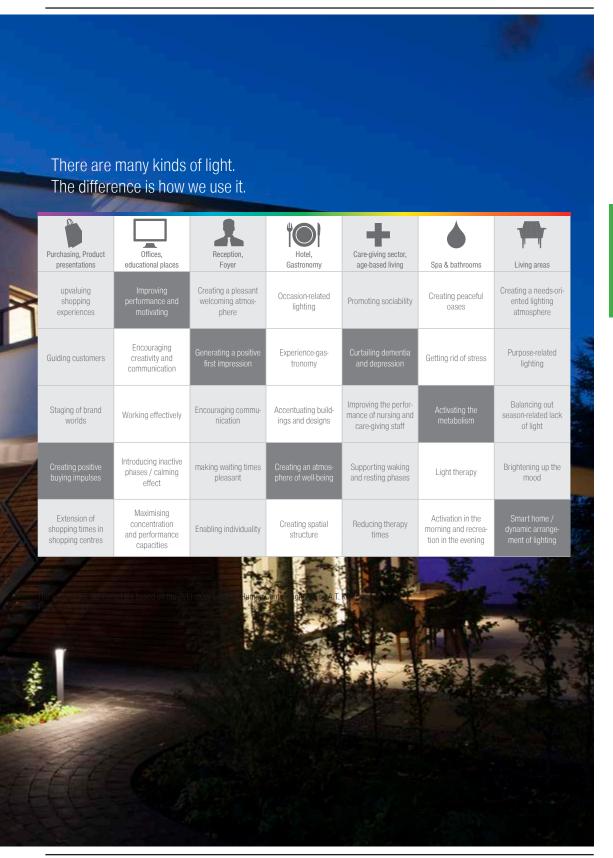
446











INNOVATIVE LIGHTING TECHNOLOGY

Wellbeing thanks to Vital Light.





Prof. Dr. Ulrich Kuipers college of higher education

New LED-based lighting technologies not only make significant savings of electrical energy and the reduction of CO_2 emissions possible, they also provide healthy light that will positively influence your sense of well-being and ability to perform. This requires artificial light to change throughout the day like natural light. vitaLED® makes such light control possible. The human retina contains photo-receptors that are sensitive to blue light and control the production of important hormones in the brain such as melatonin, serotonin and cortisol. Melatonin affects our sleep cycles, making us tired and lowering our activity, whereas cortisol is a stress hormone and serotonin brightens our moods and motivates us.

vitaLED® was developed in collaboration with the new lighting technologies research center at the Southwest Westphalia University of Applied Sciences. It is controlled via ethernet, wifi or Bluetooth. vitaLED® can bring the positive effects of the changing color of light throughout a beautiful, sunny day into your interior spaces.

Light influences hormone production

Photoreceptors in the eyes (the retinal ganglion cells) control hormones in the brain, such as melatonin, serotonin and cortisol, but also adrenaline and other hormones instantaneously:

- Melatonin controls the day-night rhythm (less light → raised level of melatonin / the tiredness raises).
- Adrenaline speeds up the heart and raises the blood pressure. It causes narrowing of the pupils and contraction of the musculature.
- Cortisol regulates the blood sugar. It improves the will to work and concentration.
- Serotonin (commonly referred to as the happiness hormone) is produced in opposition to melatonin. It increases the feeling of well-being, speeds up the contractions of the heart and raises the temperature of the body. If the proportion of blue light is increased, the craving for carbohydrates is reduced (serotonin is found in chocolate, nuts, pralines etc.)

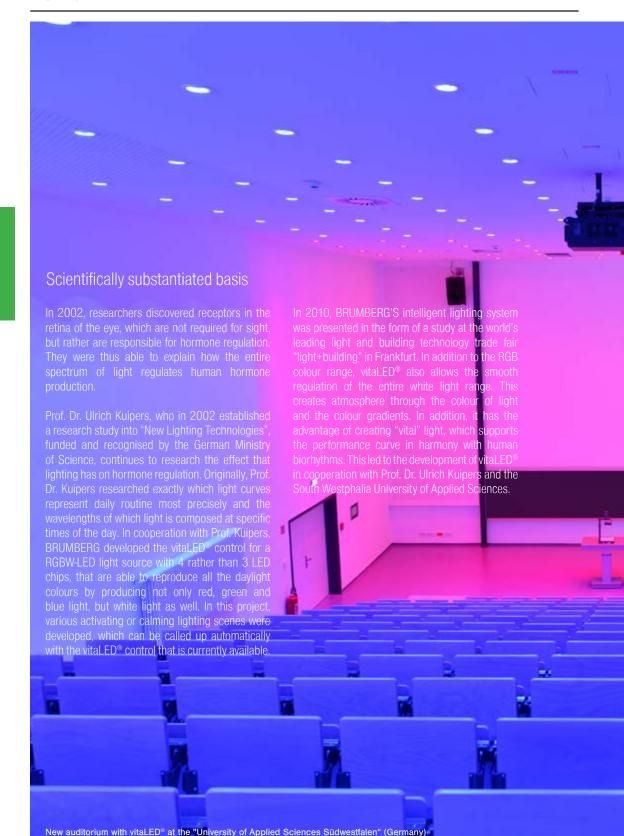
The regulation of the production of these hormones is affected by the level of blue light. Cold light has high levels of blue light – it has an activating effect, melatonin production is suppressed and serotonin is produced instead. Warm light has a low percentage of blue light and a high level of red light – it has a calming, relaxing effect.

A change from warm light to cold light has an activating effect. A change from cold light to warm light has a calming effect.

Physical basis of vitaLED®

- Generation-spanning light concept
- Regulation of light colour and light intensity
- Natural light representation
- Energy efficient
- Hardly any maintenance required
- Dynamic changes in light spectra and light colours
- A diverse range of possibilities for control (Smartphones, tablets, remote control devices, wall panels)
- Light control via secondary optics and reflec-

- tor technology
- An average life of more than 50,000 hours
- Optimized thermo-management which results in minimized temperatures, a higher level of efficiency and a longer product life time
- Almost unlimited number of lights controllable
- The 4-Chip LED allows displaying individual colours with optimal intensity.
- The acromatic field can be variably controlled from 2,000 to 10,000 Kelvin





LIGHT STIMULATES.

The psychological effects of the colour of light.

Light as a fundamental part of everyday life has a great influence on our biorhythms and supports biological processes and keeps us energized and ready to perform. These processes are constantly adapted with the changes in our environment, but there isn't always enough light available when we want it. People spend nearly 90% of their lives indoors.

vitaLED[®], when combined with modern lighting design, provides biologically active light that makes it possible to compensate for the lack of light in a way that reflects the processes in nature. This provides optimal support for periods of activity and rest and thus helps to keep people healthy and fit.

Biologically active artificial lighting can be switched on or adjusted continuously and automatically depending on the available daylight. Daylight and artificial light should complement each other and not compete when lighting indoor spaces. Combining the two both saves energy and also increases the quality of lighting.

A feeling of well-being

A feeling of spiritual well-being can be promoted by appropriate lighting. Inner contentment and stress resistance are positively influenced.

Activity

More and less active phases in the daily routine can be positively influenced by varying combinations of light colours. The right light colour during interruptions of the resting period prevents undesired activation of the body and favours healthy recuperation.

Energy

Light plays a decisive role in maintaining human energy levels throughout the day.

Health

Optimal light colour can favour the production of anti-stress hormones, thereby promoting good health. Certain light ambiences can even repress the appetite.









GENERATION 2.0

The intelligent lighting solution vitaLED® supports the human biorhythm, thereby increasing the general well-being as well as improving concentration and productivity. The secret lies in the blue ray portion of the white light spectrum which can have positive effects on humans. Under these conditions, the light is able to develop its scientifically proven therapeutic effect.

Hereby, the new-generation vitaLED® 2.0 differs from its predecessors especially through its more convenient operability: Thanks to the 'multi-room' control system, different scenes and adjustments can be selected and synchronized for several zones simultaneously. As before, the different lighting scenes can simply be called via the browser interface of the LAN module. A significant improvement for the user is presented by coupling the LAN module with an 8-channel push-button unit. The push-button unit permits stored lighting scenes to be called conveniently via the LAN module.

As an alternative, a radio remote control unit and a sensor touch panel are available, both in a new design. Also new are the 2-, 4-, and 8-channel units, with which pre-defined lighting scenes can be selected from the master control unit at the push of a button.

The entire system is fitted with more efficient electronics and has higher light outputs, thereby reducing energy costs. Moreover, has the control of the circadian lighting curves been improved and now also offers the possibility for a real-time synchronization.

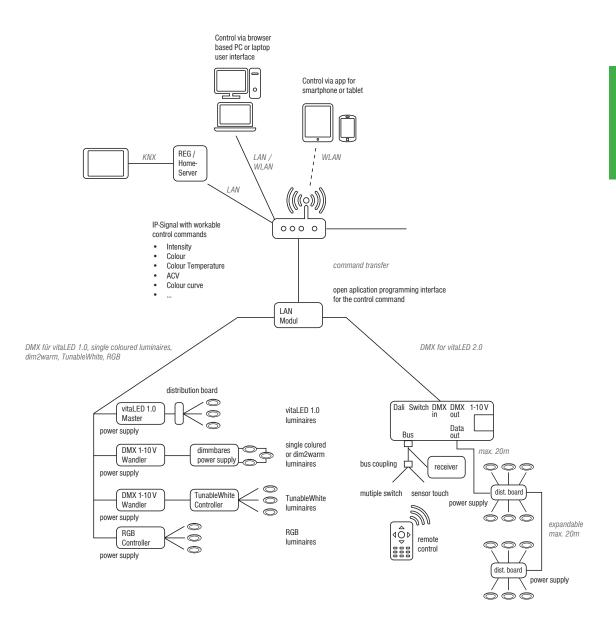
Also in terms of luminaire variety and design options, vitaLED® 2.0 opens up new possibilities. In addition to new downlights in various sizes and shapes, our portfolio now also includes wall mounted luminaires so that users are able to configure the perfect lighting solution for every application.

Summary of the most important functions of vital ED® 2.0:

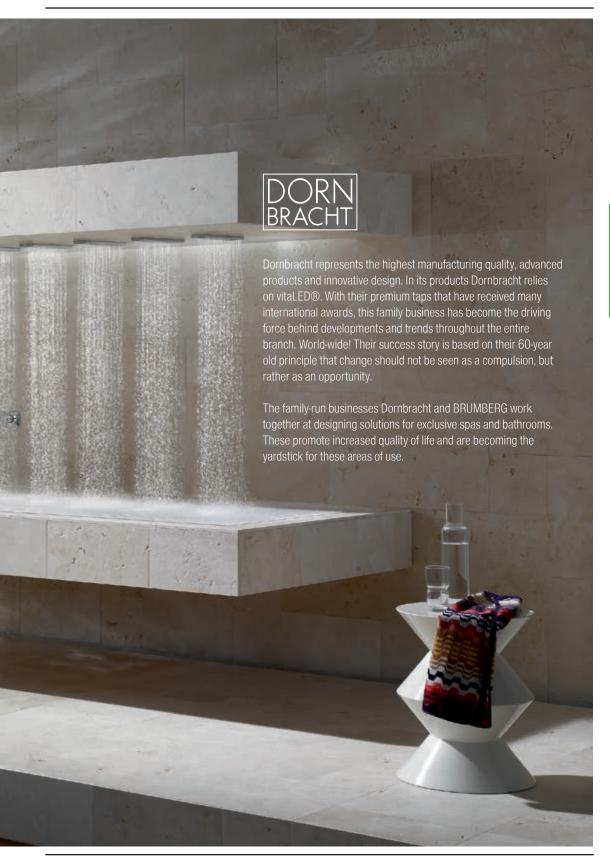
- New luminaire designs
- Real-time-synchronization of circadian lighting curve
- Easy-to-handle system configuration with central intell gence
- Master parallelly addressable via diverse control options
- Various groups can be controlled separately and synchronously
- · Optimized colour sequences

SIMPLY SMART

Control solution at your purpose









On the occasion of the renovation of the ceiling of the JUNG-KNX training lab, we seized the opportunity to replace the 20-year-old-fluorescent louver luminaires and LV halogen lighting, with vitaLED® lighting system from BRUMBERG. The LED lights were optimally positioned in the room with the help of BRUMBERG's light planning team. In contrast to the previous lighting, they resulted in much better, more uniform distribution of light on the KNX workbenches and the individually arranged desks. The vitaLED® lighting, in conjunction with the JUNG Facility Pilot also offers diverse possibilities for lighting with regard to brightness, colour temperature, colours etc. and requires a minimized power input.

Particularly worth mentioning is the effect of the vital lighting. We create day-light curves that are controlled by the Facility Pilot. This means that during a training session, the circadian factor ACV increases throughout the morning, reaching a peak between 13H00 and 14H00 and then begins to decrease again in the afternoon. The participants are clearly no longer as sleepy and sluggish after lunch as they would have been with the original lighting. On the contrary, they participate with an interest as fresh as was apparent in the morning. This effect has been noticeable in each of the groups that have participated in training sessions since the vitaLED® lighting was installed. This fact alone has made the use of vitaLED® worthwhile for us.



Eugen Streicher, Manager of Training Centre, Albrecht JUNG



GETTING STARTED WITH DYNAMIC LIGHTING

Flexible lighting. Simple. Smart.

The new vitaLED® smart lighting solution is the ideal introduction to a professional dynamic 4-channel colour lighting system. The advantages of this new solution are the ease of installation and the extremely simple and intuitive operation and control of the system.

For the installation of a vitaLED® smart system all you need is a network device, a Bluetooth distributor, as well as connecting cables and lights. The connection between distributor and lights requires no tools. This means that the installation of a vitaLED® smart system is no more complicated than installing a classic low-voltage lighting system!

To control the colour lighting system all you need is the App installed on your smartphone or tablet device. Signal transmission is via Bluetooth connection so you don't even need a wireless WLAN network. Any available switch /button still function and when the system is switched on it displays the most recently used coloured light. So you don't even have to have your smartphone or tablet on hand.

The difference to the proven generation 2.0 vitaLED® system is only that the vital progress and colour contrasts have not been implemented.

Naturally, with vitaLED® smart you can also control

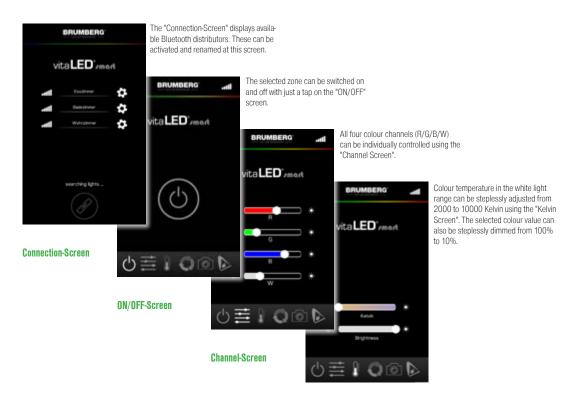
different zones or rooms using the App. Your device recognizes every Bluetooth distributor in range, so you only need to select the desired distributor and off you go. Whether for your living room, the bathroom or your entrance area - vitaLED® smart is the perfect system for a unique lighting experience!

The benefits of vitaLED® smart at a glance:

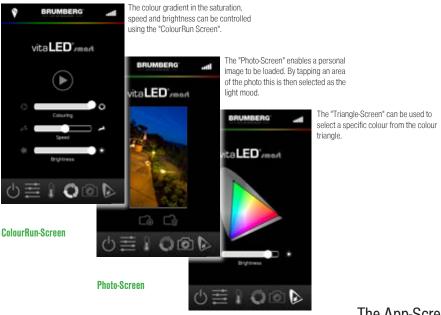
- Ease of installation
- Requires no wireless network or external control signals
- Simple and intuitive operation via smartphone or tablet (iOS + Android)
- · Colour and white light steplessly adjustable
- Selection of light mood from your personal photo
- · Targeted selection of mixed colours







Kelvin-Screen



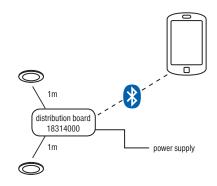
Triangle-Screen

The App-Screens

18339... / 18340... / 18373... vitaLED® smart basic and extension kits

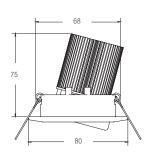






Memory function: If the $230\,\mathrm{V}$ power supply is disconnected, the last light value set is stored.

System requirements: min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)



Specification

Incl. light source: $3\,x$ RGBW LED, output: max. 14 W per bulb, material: steel/plastic, angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light colour
18333022	chrome	RGBW 🔷
18333152	nickel satin	RGBW 🔷

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold basic kit

Article-no.	Colour of cabinet	Light colour	
18334022	chrome	RGBW 🔷	
18334152	nickel satin	RGBW 🔷	

consisting of 4 lights, Bluetooth® device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold extension kit*

Article-no.	Colour of cabinet	Light color
18373022	chrome	RGBW 🔷
18373152	nickel satin	RGRW 🔼

consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 \mbox{mm}

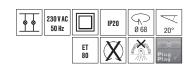
*As extension for a 2- or 4-fold kit.

18335... / 18336 / 18375

vitaLED® smart basic and extension kits







Memory function: If the 230 V power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)

Specification

NEW

Incl. light source: 3 x RGBW LED, output: max. 14 W per bulb, material: aluminum/plastic, angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light color
18335072	white	RGBW 🔷
18335252	alu satin	RGBW 🔷

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000mm

4-fold basic kit

Article-no.	Colour of cabinet	Light color
18336072	white	RGBW 💍
18336252	alu satin	RGBW 6

consisting of 4 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold extension kit*

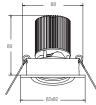
Article-no.	Colour of cabinet	Light color
18375072	white	RGBW 💍
18375252	alu satin	RGBW A

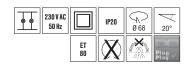
consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 mm

18337... / 18338 / 18377

vitaLED® smart basic and extension kits







Memory function: If the 230 V power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)

Specification

Incl. light source: 3 x RGBW LED, output: max. 14 W per bulb, material: aluminum/plastic, angle: 40

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light color	
18337072	white	RGBW 🔷	_
18337252	alu satin	RGBW 🔷	

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold basic kit

Article-no.	Colour of cabinet	Light color	
18338072	white	RGBW 🔷	
18338252	alu satin	RGBW 🔼	

consisting of 4 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold extension kit*

Article-no.	Colour of cabinet	Light color
18377072	white	RGBW 🔷
18377252	alu satin	RGBW 🔷

consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 mm

^{*}As extension for a 2- or 4-fold kit.

^{*}As extension for a 2- or 4-fold kit

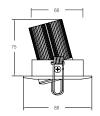
18339... / 18340... / 18379... vitaLED® smart basic and extension kits



Memory function: If the $230\,\mathrm{V}$ power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)







Specification

Incl. light source: 3 x RGBW LED, output: max. 14 W per bulb, material: cast/plastic, angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light color	
18339022	chrome	RGBW 🔷	
18339072	white	RGBW 🔷	
18339152	nickel satin	RGBW 🔷	

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold basic kit

Article-no.	Colour of cabinet	Light color
18340022	chrome	RGBW 🔷
18340072	white	RGBW 🔷
18340152	nickel satin	RGRW 🔼

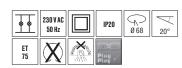
consisting of 4 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold extension kit*

Article-no.	Colour of cabinet	Light color	
18379022	chrome	RGBW 🔷	
18379072	white	RGBW 🔷	
18379152	nickel satin	RGRW 🔼	

consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 mm

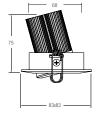
$18341...\,/\,18342\,/\,18381$ vitaLED® smart basic and extension kits



Memory function: If the $230\,\mathrm{V}$ power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)







Specification

Incl. light source: 3 x RGBW LED, output: max. 14 W per bulb, material: cast/plastic, angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light color
18341022	chrome	RGBW 🔷
18341072	white	RGBW 🔷
18341152	nickel satin	RGBW 🔷

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold basic kit

Article-no.	Colour of cabinet	Light color	
18342022	chrome	RGBW 🔷	
18342072	white	RGBW 🔷	
183/2152	nickel eatin	RGRW 🔼	

consisting of 4 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold extension kit*

Article-no.	Colour of cabinet	Light color
18381022	chrome	RGBW 🔷
18381072	white	RGBW 🔷
18381152	nickel satin	RGBW 🔷

consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 \mbox{mm}

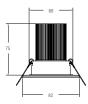
*As extension for a 2- or 4-fold kit.

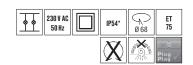
^{*}As extension for a 2- or 4-fold kit.

18343... / 18344... / 18383...

vitaLED® smart basic and extension kits







Memory function: If the 230 V power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE) *IP54* if installed in closed ceilings

Specification

Incl. light source: 3 x RGBW LED, output: max. 14 W per bulb, material: stainless steel/plastic/aluminium/clear glass, angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light color
18343222	stainless steel	RGBW 🔷

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold basic kit

Article-no.	Colour of cabinet	Light color
18344222	stainless steel	RGBW 🔷

consisting of 4 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold extension kit*

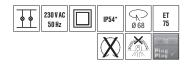
Article-no.	Colour of cabinet	Light color
18383222	stainless steel	RGBW 🔷

consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 mm

18345... / 18346... / 18385... vitaLED® smart basic and extension kits







Memory function: If the 230 V power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)

* IP54 if installed in closed ceilings

Specification

Incl. light source: 3 x RGBW LED, output: max. 14 W per bulb, material: stainless steel / plastic / aluminium / clear glass, angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2-fold basic kit

Article-no.	Colour of cabinet	Light color
18345222	stainless steel	RGBW 🔷

consisting of 2 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

4-fold basic kit

Article-no.	Colour of cabinet	Light color
18346222	stainless steel	RGBW 🔷

consisting of 4 lights, Bluetooth®device, power supply and plug & play connection cables (distributor -> light) 1000 mm

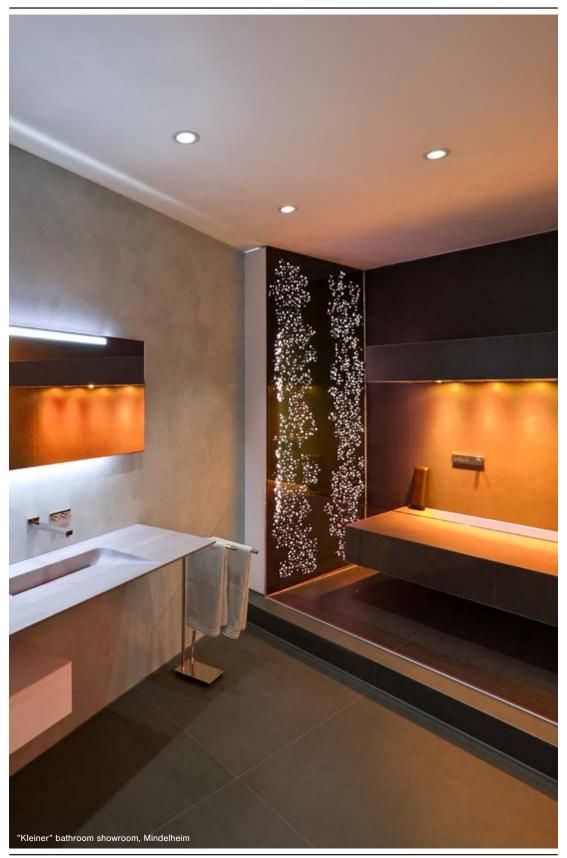
4-fold extension kit*

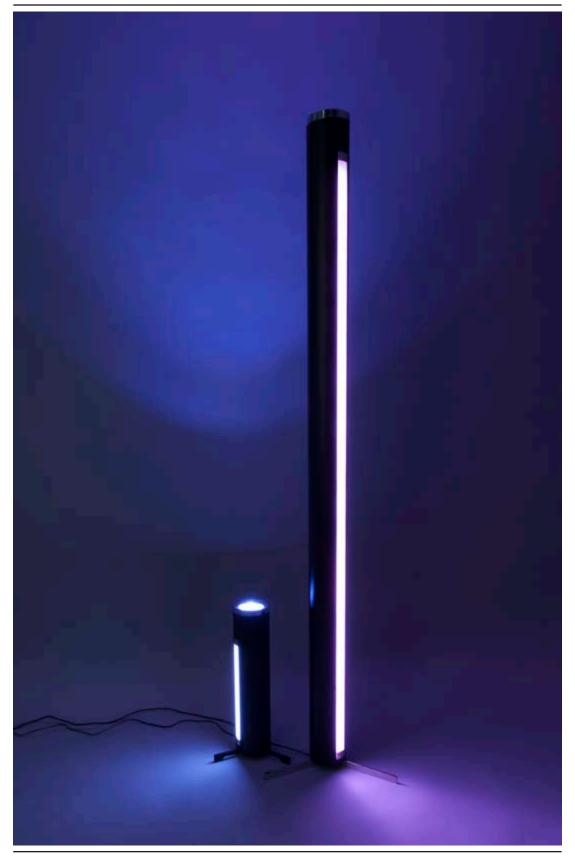
Article-no.	Colour of cabinet	Light color
18385222	stainless steel	RGBW 🔷

consisting of 4 lights, distribution, power supply and plug & play connection cables 2000 mm

*As extension for a 2- or 4-fold kit

^{*}As extension for a 2- or 4-fold kit.





18508082 vitaLED® smart table lamp



Memory function: If the 230 V power supply is disconnected, the last light value set is stored.

System requirements:

min. Android 4.3 or iOS 7.1 / min. Bluetooth 4.0 (Bluetooth LE)



Specification

Incl. light source:

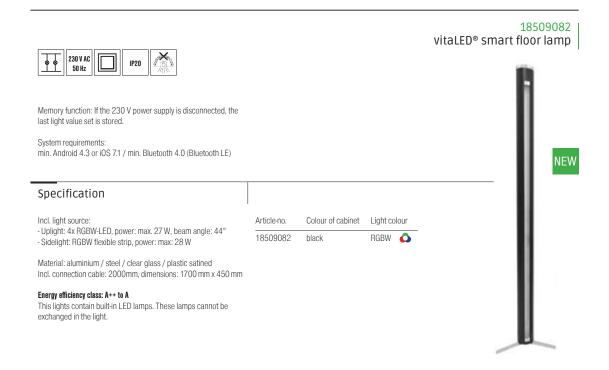
- Uplight: 4x RGBW-LED, power: max. 27 W, beam angle: 44°
- Sidelight: RGBW flexible strip, power: max: 7 W

Material: aluminium / steel / clear glass / plastic satined Incl. connection cable: 2000mm, dimensions: $450 \text{ mm} \times 350 \text{ mm}$

Energy efficiency class: A++ to A

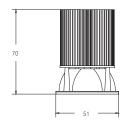
This lights contain built-in LED lamps. These lamps cannot be exchanged in the light.

Article-no. Colour of cabinet Light colour 18508082 black RGBW



18408002 vitaLED® 2.0 MR16 lamp, 51mm







Specification

Light source: 3 xRGBW-LED, power: max. 14 W beam angle: 40°, material: aluminium / plastic,

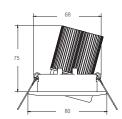
Article-no. Light colour 18408002 RGBW

Energy efficiency class: A

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

18422... vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 xRGBW-LED, power: max. 14 W, material: steel / aluminium / plastic, beam angle: 40°

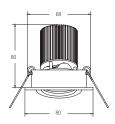
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour
18422022	chrome	RGBW 🔷
18422152	nickel satin	RGBW 🔷

18426... vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic, beam angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

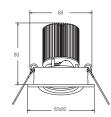
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour
18426072	white	RGBW 🔷
18426252	alu satin	RGBW 🔷

Also available in housing colour champagner satin or titanium satin on demand.

18427... vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic, beam angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. $\,459)$ possible

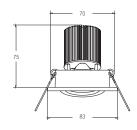
Article-no.	Colour of cabinet	Light colour
18427072	white	RGBW 🔷
18427252	alusatin	RGRW 🔼

Also available in housing colour champagner satin or titanium satin on demand.

18428...

vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic, beam angle: 40°

Energy efficiency class: A++ to A

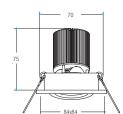
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour	
18428022	chrome	RGBW 🔷	
18428052	gold	RGBW 🔷	
18428072	white	RGBW 🔷	
18428092	noble chrome	RGBW 🔷	
18428152	nickel satin	RGBW 🔷	

18429... vitaLED® 2.0 - recessed spot with 18408002







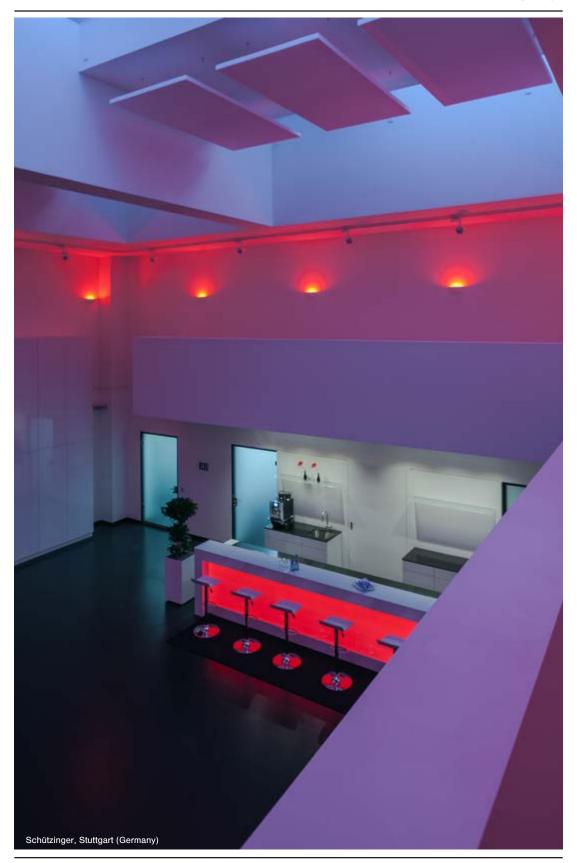
Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic, beam angle: 40°

Energy efficiency class: A++ to A

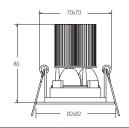
This luminaire contains incorporated and non-exchangeable LED light sources.

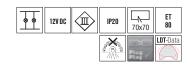
Article-no.	Colour of cabinet	Light colour	
18429022	chrome	RGBW 🔷	
18429052	gold	RGBW 🔷	
18429072	white	RGBW 🔷	
18429092	noble chrome	RGBW 🔷	
18429152	nickel satin	RGBW 🔷	



vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic, beam angle: 40°

Article-no. Colour of cabinet Light colour 18431252 RGBW 🔷 alu satin/black

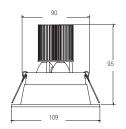
Energy efficiency class: A++ to A

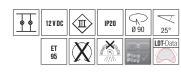
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

18433... vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic, beam angle: 40°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour	
18433022	chrome	RGBW	6
18433072	white	RGBW	•
18433252	alu satin	RGBW	0

vitaLED® 2.0 -recessed spot with 18408002 concealed plastic luminaire frameless







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, frameless, material: steel/plaster/aluminium/plastic, beam angle: 40°

Energy efficiency class: A++ to A

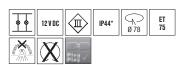
This luminaire contains incorporated and non-exchangeable LED light sources.

LDT-Data

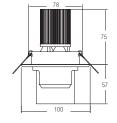
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. $\,459)$ possible

Article-no.	Colour of cabinet	Light colour
18434002	white	RGBW 🔷

18412252 vitaLED® 2.0 - recessed spot with 18408002



*IP44 if installed in closed ceilings





Design by Lounge Design

Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / acrylic, beam angle: 38°

Energy efficiency class: A++ to A

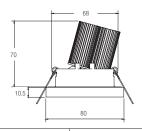
This luminaire contains incorporated and nonexchangeable LED light sources.

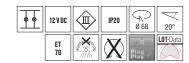
Article-no.	Colour of cabinet	Light colour	
18412252	alu satin	RGBW 🔷	

18420...

vitaLED® 2.0 - recessed spot with 18408002







Design by Lounge Design

Specification

Incl. light source: RGBW-LED, power: max. 14 W, beam angle: 40°, material: aluminium / steel / plastic

Energy efficiency class: A++ to A

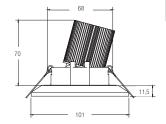
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour	
18420022	chrome	RGBW 🔷	
18420052	gold	RGBW 💍	
18420152	nickel satin	RGBW 🔷	
18420172	texture white	RGBW 🔷	
18420182	texture black	RGBW 🔷	
18420672	texture slate	RGBW 🔷	

18421... vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, beam angle: 40°, material: aluminium / steel / plastic

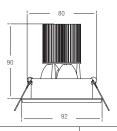
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Light colour	
18420022	chrome	RGBW 🔷	
18420052	gold	RGBW 🔷	
18420152	nickel satin	RGBW 🔷	
18420172	texture white	RGBW 🔷	
18420182	texture black	RGBW 🔷	
18420672	texture slate	RGBW 🗘	

vitaLED® 2.0 - recessed spot with 18408002







Specification

Incl. light source: $3 \times RGBW-LED$, power: max. $14 \, W$, beam angle: $40 \, ^\circ$, material: stainless steel AISI $316 \, /$ clear glass/aluminium/plastic

Article-no.	Colour of cabinet	Light colour
18432202	stainless steel	RGBW 🔷

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

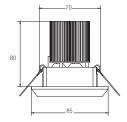
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. $\,459)$ possible

Adapted for Outdoor!

18423022 vitaLED® 2.0 - recessed spot with 18408002



*IP65 if installed in closed ceilings





Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / glass, beam angle: 40°

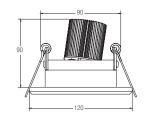
Article-no.	Colour of cabinet	Light colour
18423022	chrome	RGBW 🔷

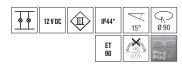
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources

vitaLED® 2.0 - recessed spot with 18408002







*IP44 if installed in closed ceilings

Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic / clear glass, beam angle: 40°

Article-no.	Colour of cabinet	Light colour
18424252	alu satin	RGBW 🔷

Energy efficiency class: A++ to A

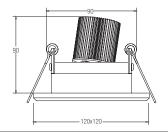
This luminaire contains incorporated and nonexchangeable LED light sources

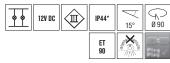
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

18425252

vitaLED® 2.0 - recessed spot with 18408002







*IP44 if installed in closed ceilings

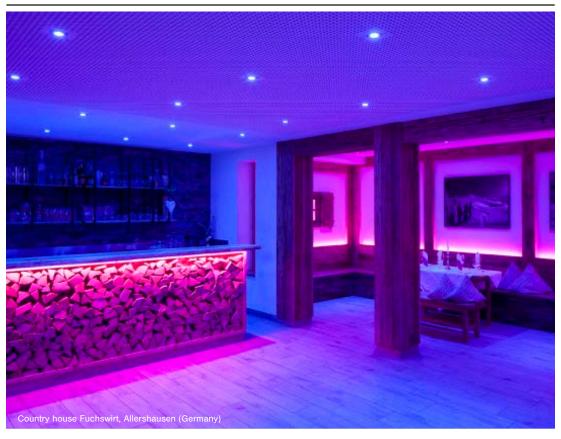
Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium / plastic clear gl

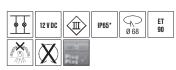
ght source: 3 x RGBW-LED, power: max. 14 W, material: aluminium/ plastic	Article-no.	Colour of cabinet	Light colour
glass, beam angle: 40°	18425252	alu satin	RGBW 🔷

Energy efficiency class: A++ to A

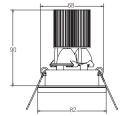
This luminaire contains incorporated and nonexchangeable LED light sources



18430... vitaLED® 2.0 - recessed spot with 18408002



*IP65 if installed in closed ceilings





Specification

Incl. light source: 3 x RGBW-LED, power: max. 14 W, material: aluminium casting / plastic / satin glass, beam angle: 40°

Energy efficiency class: A++ to A

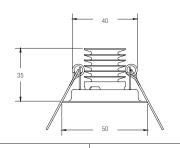
This luminaire contains incorporated and non-exchangeable LED light sources

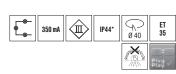
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour	
18430022	chrome	RGBW 🔷	
18430072	white	RGBW 🔷	
18430152	nickel satin	RGBW 🔷	

vitaLED® 2.0 - LED light point







*IP44 if installed in closed ceilings

Art. 18596000 or art. 18597000 is obligatory for putting into operation.

Specification

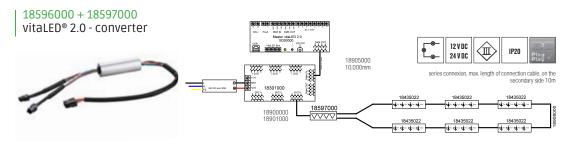
Incl. light source: RGBW-LED, power: max. 4,5 W, material: aluminium / plastic opal, max. $350\,\text{mA}$, beam angle: 90°

Article-no. Colour of cabinet Light colour

18435022 chrome RGBW •

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources



Specification

For transformation from 12 V bzw. 24 V to 350 mA

For connection of light point art. 18435022 to distributor Art. 18301000.

Connection only via system cable 18900000 (p. 459) to 18301000 possible.

Article-no.	Colour of cabinet	Voltage	Specification
18596000	alu satin	12 V	to connect 1-3 light-points Art. 18435022
18597000	alu satin	24 V	to connect 4-6 light-points Art. 18435022

18907000 + 18908000

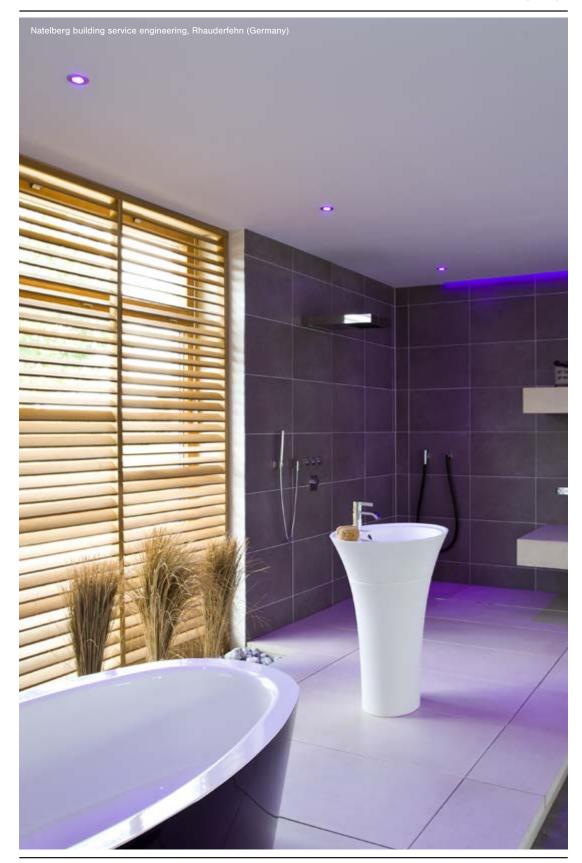
vitaLED 2.0 - system cable for lightpoint



Specification

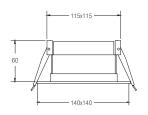
system cable for connection to lightpoint Art. 18435022 to converter Art. 18596000 / 18597000 or between light points art. 18435022.

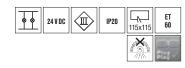
Article-no.	Length	
18907000	1.000 mm	
18908000	2.000 mm	



vitaLED® 2.0 - recessed ceiling spot







Specification

Incl. light source: $4\,x$ RGBW-LED, power: max. 19 W, material: aluminium / plastic, beam angle: 45°

Article-no.	Colour of cabinet	Light colour
18419252	alu satin	RGBW 💍

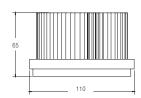
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

18409002 vitaLED® 2.0 QR111-lamp







Specification

Incl. light source: 6 x RGBW-LED, power: max. 28 W, material: aluminium / plastic, beam angle: 34°

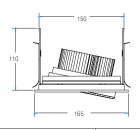
Article-no.	Light co	lour
18409002	RGBW	0

energy efficiency class: A

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

vitaLED® 2.0 - recessed ceiling spot with 18409002







Specification

Incl. light source: 6x RGBW-LED Power: max. 28W, beam angle: 34°, material: aluminium / plastic

Article-no. Colour of cabinet Light colour 18413252 alu satin RGBW •

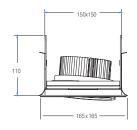
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

18414252 vitaLED® 2.0 - recessed ceiling spot with 18409002







Specification

Incl. light source: 6x RGBW-LED Power: max. 28W, beam angle: 34°, material: aluminium / plastic

Energy efficiency class: A++ to A

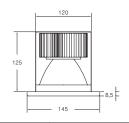
This luminaire contains incorporated and non-exchangeable LED light sources.

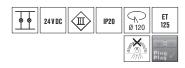
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour
18414252	alusatin	RGRW 🔼

vitaLED® 2.0 - recessed downlight







Specification

Incl. light source: 5 x RGBW-LED, power: max. 24 W, material: steel / aluminium, beam angle: 45°

Article-no.	Colour of cabinet	Light colour
18415072	white	RGBW 🔷

Energy efficiency class: A++ to A

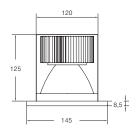
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible



18416072 vitaLED® 2.0 -recessed downlight







Specification

Incl. light source: 5 x RGBW-LED, power: max. 24 W, material: steel / aluminium / frosted glass, beam angle: 45°

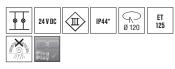
Article-no. Colour of cabinet Light colour 18416072 white RGBW •

Energy efficiency class: A++ to A

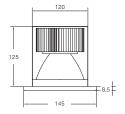
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. $\,459)$ possible

18417072 vitaLED® 2.0 - recessed downlight



*IP44 if installed in closed ceilings





Specification

Incl. light source:5 x RGBW-LED, power: max. 24 W, material: steel / aluminium / frosted glass, beam angle: 45°

Article-no.	Colour of cabinet	Light colour
8417072	white	RGBW 🔼

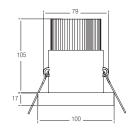
Energy efficiency class: A++ to A

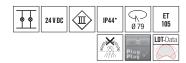
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

18402... vitaLED® 2.0 - Downlight







*IP44 if installed in closed ceilings

Design by Lounge Design

Specification

Incl. light source: 4 x RGBW-LED, power: max. 27 W, beam angle: 44°, material: aluminium / clear glass

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour
18402022	chrome	RGBW 🔷
18402052	gold	RGBW 🔷
18402152	nickel satin	RGBW 🔷
18402172	textured white	RGBW 🔷
18402182	textured black	RGBW 🔷
18402672	textured slate	RGBW 🔷

18403... vitaLED® 2.0 - Downlight



119,50



*IP44 if installed in closed ceilings

Design by Lounge Design

Specification

Incl. light source: 4 x RGBW-LED, power: max. 27 W, beam angle: 44°, material: aluminium / clear glass

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

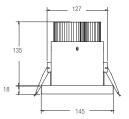
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

Article-no.	Colour of cabinet	Light colour
18403022	chrome	RGBW 🔷
18403052	gold	RGBW 🔷
18403152	nickel satin	RGBW 🔷
18403172	textured white	RGBW 🔷
18403182	textured black	RGBW 🔷
18403672	textured slate	RGBW 🔷

18406... vitaLED® 2.0 - Downlight



*IP44 if installed in closed ceilings





Design by Lounge Design

Specification

Incl. light source: 6 x RGBW-LED, power: max. 39 W, material: aluminium / clear glass, beam angle: 44°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

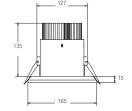
connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. $\,459)$ possible

Article-no.	Colour of cabinet	Light colour
18406022	chrome	RGBW 🔷
18406052	gold	RGBW 🔷
18406152	nickel satin	RGBW 🔷
18406172	textured white	RGBW 🔷
18406182	textured black	RGBW 🔷
18406672	textured slate	RGBW 🔷

18407... vitaLED® 2.0 - Downlight



*IP44 if installed in closed ceilings





Design by Lounge Design

Specification

Incl. light source: 6 x RGBW-LED, power: max. 39 W, material: aluminium / clear glass, beam angle: 44°

Energy efficiency class: A++ to A

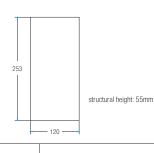
This luminaire contains incorporated and non-exchangeable LED light sources.

connection to distribution board 18301000 & 18314000 only via system cable 18900000 - 18902000 (p. 459) possible

10107000 1 000111
18407022 chrome RGBW 🗘
18407052 gold RGBW 🗘
18407152 nickel satin RGBW 🗘
18407172 textured white RGBW 🔘
18407182 textured black RGBW Q
18407672 textured slate RGBW 🔾

18500... vitaLED® 2.0 wall light







Design by Lounge Design

Specification

Incl. light source: 2 x RGBW-LED, power: max. 9 W, beam angle: 40°, material: steel / aluminium

Energy efficiency class: A++ to A

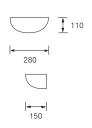
This luminaire contains incorporated and non-exchangeable LED light sources.

connection only possible via cable set (Art. No. 18906000) in combination with distribution board (Art. No. 18301000, p. 459)!

Article-no.	Colour of cabinet	Light col	our
18500172	textured white	RGBW	6
18500182	textured black	RGBW	0

18505002 vitaLED® 2.0 - plaster wall light







Specification

Incl. light source: 4 x RGBW-LED, power: max. 18,5 W, material: plaster / glass frosted (as coverglass)

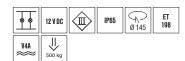
Energy efficiency class: A++ to A

This luminaire contains incorporated and nonexchangeable LED light sources.

connection only possible via cable set (Art. No. 18906000) in combination with distribution board (Art. No. 18301000, p. 459)!

Article-no.	Colour of cabinet	Light co	our
18505002	white	RGBW	0

vitaLED® 2.0 - ground recessed luminaire







Specification

Incl. light source: 3x RGBW-LED, power: max. 14 W,beam angle: 40°, material: stainless steel AISI 316 / aluminium / clear glass

Article-no. Colour of cabinet Light colour

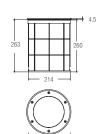
18501222 stainless steel RGBW

Incl. connection cable: 1000 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and nonexchangeable LED light sources.

Connection only possible with cable set (Art. 18909000, p. 459) in combination with distribution board (Art. 18301000)!



18502222 vitaLED® 2.0 - ground recessed luminaire



Specification

Incl. light source: 6x RGBW-LED, power: max. 28 W, material: stainless steel AISI 316 / aluminium / clear glass, beam angle: 40°

Incl. connection cable: 1000 mm

Article-no.	Colour of cabinet	Light col	our
18502222	stainless steel	RGBW	۵

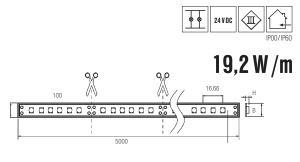
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Connection only possible with cable set (Art. 18909000, p. 459) in combination with distribution board (Art. 18301000)!

18503002 / 18523002 LED flexible strip RGBW 19.2 W/m





Specification

Flexible LED conductor strips fitted with 600x SMD LED double chip, multi-colour 4in1; power: max. 96 W (19.2 W/m), beam angle: 120°, width: 10 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 32).

*Intended purpose: special product for a decorative application. Not appropriate for use in other applications.

Electrical data

Nominal voltage [V DC]: 24 protection class: III Power input [W/m]: 19.2 Number of LEDs per metre. 120 Control: negative (5-core wire)

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° Light colour category RGBW





Article no./5 m	Article no./100 mm	Light colour	Light flux/m	EEC	Dimensions [WxH]:
18503002	75503002	4000 K	about 445 lm	A+	10 x 2 mm
18503002		622 nm	about 120 lm		
		531 nm	about 270 lm		
		452 nm	about 50 lm		
	75998000	Customization for	r protection class IP00		

Optimized for the use in the Brumberg vitaLED® system.

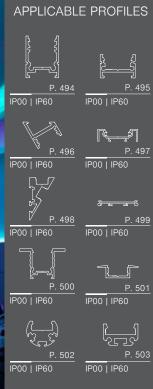




Article no./5 m	Article no./100 mm	Light colour	Light flux/m	EEC	Dimensions [WxH]:
185232002	75523001	4000 K	about 320 lm	A+	10 x 3 mm
18523002		622 nm	about 86 lm		
		531 nm	about 194 lm		
		452 nm	about 36 lm		
	75999000	Customization with	increased protection ratin	g	

Resistant silicon coating, impervious to any mechanical stress; wipeable.





Fields of application

White light area and colour blending using the red, green and blue colour channels for changeable and efficient lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps, illuminated ceilings and many others. The IP00 flexible strip is optimised for used in the Brumberg vitaLED® 2.0 System

Driver

Starting on page 514, you can find appropriate drivers

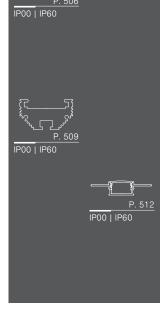


Controllers

Starting on page 516, you can find controllers for all signal types







vitaLED® 2.0 master control













Control accessoires:

18303000 radio remote control 18304... 8fold push button module 18305... 4fold push button module 18306... 2fold push button module 18307... Touch-Panel smart-lighting modul 18318000

Specification

Material: plastic, ambient temperature: 0 °C to 45 °C Dimensions: I153 mm x w 102 mm x h 26 mm

Suitable for DIN rail mounting (9 pitch units)

The vitaLED® 2.0 control unit serves for individual or pre-configured color- and brightness regulation of RGBW-LED modules. The control can be executed via push-button, touch panel, multiple 2-, 4- or 8fold push-buttons, radio remote control or a variety of protocol based control signals. The signal splits up into a DMX signal (control effects by Art. No. 18308000), a DALI signal and four individual analogue 1-10 V signals. The mode of operation and the details of functionality are based and connected to the corresponding way of addressing the system. The control-protocol has to be provided to the system on site. The relevant address-coding needs to be adapted to the corresponding way of piloting. Our mounting- and installation instruction delivers all relevant information regarding the required coding.

The vitaLED® modules can only be addressed via the corresponding vitaLED® 2.0 distribution boards 18301000 (for system luminaires) or 18302000 (for flexible strip).

Article-no.

18300000

For a connection lenght of more than 20m between the master control and the distribution board, you need the power supply Art. 18313000 (p. 452) for supplying!

18301000

vitaLED® 2.0 distribution board Plug 'n' Play - system luminaires













Specification

Material: plastic, ta: 0 °C to 45 °C, current: max. 10 A, power: max. 120 W at 12 V | max. 240 W at 24 V dimensions: I 126 mm x w 54 mm x h 31 mm

Suitable for DIN rail mounting (7,5 pitch units)

The vitaLED® 2.0 distributor serves to transfer the control signals to the vitaLED® 2.0 luminaires, Max. 6 luminaires can be connected to a distributor. The vitaLED® 2.0 distributor permits the control of vitaLED® 2.0 products with a common anode, whereby the luminaires are connected by means of a vitaLED® 2.0 system connector. The max. length of the data cables between the vitaLED® 2.0 distributors may not exceed 50 m.

Important: Operation without a Master Control Unit 18300000, 18312000 or 18314000 is not possible!

Article-no

18301000

vitaLED® 2.0 distribution board PWM













Specification

Material: plastic, ta: 0 °C to 45 °C, current: max, 10 A. power: max. 120 W at 12V | max. 240 W at 24 V dimensions: I 126 mm x w 54 mm x h 31 mm

Suitable for DIN rail mounting (7,5 pitch units)

The vitaLED® 2.0 distributor serves to transfer the control signals to the vitaLED® 2.0 luminaires. Flex circuit boards can be connected to a distributor by 2 output jacks. The vitaLED® 2.0 distributor permits the control of vitaLED® 2.0 products with a common anode, whereby the luminaires are connected by means of two separate screw terminals. The max. length of the data cables between the vitaLED® 2.0 distributors may not exceed 50 m.

Important: Operation without a Master Control Unit 18300000, 18312000 or 18314000 is not possible!

Article-no.

18302000

18303000 vitaLED® 2.0 remote control





Article-no.

18303000



Specification

Material: plastic, ta: 0 °C to 45 °C,

voltage: 2x AA 1,5 V battery, dimensions receiver: I 111 mm x w 76 mm x h 27 mm

Along with the vitaLED® 2.0 Master Control Unit 18300000, the following functions are possible:

- Independent brightness control of all four colours (RGBW)
- · Storage of 3 individual colour values Selection of preset colour temperatures (2.000 K - 10.000 K)
- · Selection of 11 colour sequences / colour moods
- . Continuous adjustment of change speed for the 11 colour sequences / colour moods

Six colour sequences: Five colour moods: 1. RGB (soft change) 1. Colour Freshness 2. RGB (soft change) 2. Sunset 3. RGB (abrupt change) 3. Indian Summer 4. RGBW (soft change) 4. Spring Awakening

5. RGBW (soft change) 5. Biorhythm

6. RGBW (abrupt change)

Dimensions indicated in mm | All prices are recommended retail prices in euros without VAT| Errors excepted Delivery will take place according to our general terms of sale, see page 680.

vitaLED® 2.0 DALI-control modul













Specification

Material: plastics, ambient temperature: 0 °C to 45 °C Dimensions: I 121 mm x w 54 mm x h 30 mm

The vitaLED® 2.0 DALI control module is used for individual or pre-configured colourand brightness regulation via the DALI bus.

The DALI protocol for the control has to be provided on the system on site.

The vitaLED modules can only be addressed via the corresponding vitaLED $\hspace{-0.6em}^{\tiny \textcircled{\tiny 0}}$ 2.0 distribution boards 18301000 (for system luminaires) or 18302000 (for flexible strip).

For a connection lenght of more than 20 m between the master control and the distribution board, you need the power supply Art. 18313000 (p. 452) for supplying!

Article-no.

18312000



vitaLED® smart Bluetooth distribution board





Bluetooth'

system requirements: min. Android vers. 4.3 or iOS vers. 7.1 / min. Bluetooth 4.0 (Bluetooth LE)

Specification

Material: plastic, ta: 0 $^{\circ}$ C to 45 $^{\circ}$ C, power: max. 80 W at 12 V | max. 160 W at 24 V dimensions: I 126 mm x w 54 mm x h 31 mm

Suitable for DIN rail mounting (7,5 pitch units)

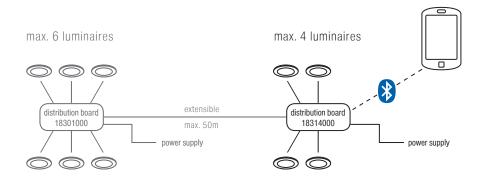
The vitaLED® smart Bluetooth distributor is to be used for a simple and intuitive control of RGBW-LED. They are to be controlled by an App available by download.

- 1. Individual control of all 4 colour channels (R/G/B/W)
- 2. Stepplessly adjustable all white tones from 2.000 up to 10.000 Kelvin
- 3. Control of colour moods in accordance to saturation, speed and brightness
- 4. Possible loading of a personal photo for selection of a light mood
- 5. Targeted selection of a colour value from the RGB colour triangle with dimming
- 6. Selection and control of different vitaLED® smart Bluetooth distributors

Article-no. 18314000



System



18304...

vitaLED® 2.0 8-channel push button module



IP20

Specification

Material: plastic / steel, ta: 0 °C to 45 °C, suitable for installation into junction- and flush boxes (Ø 68 mm), dimensions: I 81 mm x w 81 mm x h 25 mm

Together with the vitaLED® 2.0 Master Control Unit 18300000 and the Bus Coupler 18310000, the following functions are possible (the respective control possibilities vary according to adjustment and master control):

- . Independent brightness control of all four colours (RGBW)
- Storage of 2 individual colour values Selection of preset colour temperatures (2.000 K - 10.000 K)
- · Selection of 11 colour sequences / colour moods
- . Continuous adjustment of change speed for the 11 colour sequences / colour moods

Three colour sequences RGB (fast change) red, green, blue, turquoise, violet, yellow, white

- 2. RGB (soft change) blue, turquoise, violet, red, pink, yellow, green, white, white-blue
- 4. RGBW (soft change) red, red-white, white-yellow, yellow, green, green-white, white-blue, turquoise, blue, violet, violet, white, white

Article-no.

18304070 18304080

18304220

18304250

Colour of cabinet

stainless steel

black

alu satin

Four colour moods: 1. Colour Freshness | 2. Sunset | 4. Spring Awakening | 5. Biorhythm

2-core wire (i.e. J-Y(St)Y) max. 30 meter for connection to Bus Coupler 18310000.

18305...

vitaLED® 2.0 4-channel push button module



IP20

Specification

Material: plastic / steel, ta: 0 °C to 45 °C, current: 10A, suitable for installation into junction- and flush boxes (Ø 68 mm), dimensions: I 81 mm x w 81 mm x h 25 mm

Together with the vitaLED® 2.0 Master Control Unit 18300000 and the Bus Coupler 18310000, the following functions are possible (the respective control possibilities vary according to adjustment and master control):

- Selection of preset colour temperatures (2.000 K 10.000 K)
- Selection of 3 colour sequences / colour moods
- Continuous adjustment of change speed for the colour sequences / colour moods Two colour sequences:
 - 1. RGB (soft change) red, green, blue, turquoise, violet, yellow, white
 - 2. RGBW (soft change) red, red-white, white-yellow, yellow, green, green-white, white-blue, turquoise, blue, violet, violet-white, white

One colour mood: 1. Biorhythm

BRUMBERG

. Selection of preset colour values: cold white, warm white, utility lighting

2-core wire (i.e. J-Y(St)Y) max. 30 meter for connection to Bus Coupler 18310000.

Article-no.	Colour of cabinet
18305070	white
18305080	black
18305220	stainless steel
18305250	alu satin

18306... vitaLED® 2.0 2-channel Module

IP20



Specification

Material: plastic / steel, ta: 0 °C to 45 °C, suitable for installation into junction- and flush boxes (Ø68 mm), dimensions: I 81 mm x w 81 mm x h 25 mm

Together with the vitaLED $^{\circ}$ 2.0 Master Control Unit 18300000 and the Bus Coupler 18310000, the following functions are possible:

- · Stimulating Morning Freshness
- · Soothing Sunset
- . Both lighting options are dimmable.

2-core wire (i.e. J-Y(St)Y) max. 30 meter for connection to Bus Coupler 18310000.

Article-no.	Colour of cabinet
18306070	white
18306080	black
18306220	stainless steel
18306250	alu satin

18307... vitaLED® 2.0 sensor-touch-module



IP20

Specification

Material: plastic / steel, ta: 0 °C to 45 °C, suitable for installation into junction- and flush boxes (\emptyset 68 mm), dimensions: I 81 mm x w 81 mm x h 25 mm

Together with the vitaLED® 2.0 Master Control Unit 18300000 and the Bus Coupler 18310000, the following functions are possible:

- Independent brightness control of all four colours (RGBW)
- Storage of 3 individual colour values
- Selection of preset colour temperatures (2.000 K 10.000 K)
- \bullet Selection of 11 colour sequences / colour moods
- Continuous adjustment of change speed for the 11 colour sequences /colour-moods

Six colour sequences: 1. RGB (soft change) red, green, blue, turquoise, violet, yellow, white

- 2. RGB (soft change) blue, turquoise, violet, red, pink, yellow, green, white, white-blue
- 3. RGB (abrupt change) green, red, blue, violet, pink, orange, yellow, white
- 4. RGBW (soft change) red, red-white, white-yellow, yellow, green, green-white, white-blue, turquoise, blue, violet, violet-white, white
- 5. RGBW (soft change) cold white, white, warm white, yellow, orange, red, violet, turquoise, white-blue, blue, white
- 6. RGBW (abrupt change) green, red, blue, white, turquoise, violet, violet-white, pink, pink-white, yellow, yellow-white, white, white-green

Article-no.

18307070

18307080

18307220

18307250

Colour of cabinet

stainless steel

white

black

alu satin

Five colour moods: 1. Colour Freshness, 2. Sunset, 3. Indian Summer, 4. Spring Awakening, 5. Biorhythm

2-core wire (i.e. J-Y(St)Y) max. 30 meter for connection to Bus Coupler 18310000.

vitaLED® 2.0 bus coupling unit





Specification

Material: plastic housing, ambient temperature: 0 °C to 45 °C, dimensions: I 92 mm x w 52.5 mm x h 62.5 mm suitable for DIN rail mounting (3 modules)

Used together with the master (Art. 18300000) enables the keypad module and the sensor-fouch module (Art. 18304...- Art. 18307...) to be integrated for controlling a vitaLED® 2.0 system. 2-core cable (e.g. J-Y(St)Y) max. 30 m to connect to the keypad module or sensor-fouch module 18304...-18307. 4-core shielded cable (e.g. J-Y(St)Y) max. 6 m to connect to the master 18300000.

Article-no.

18310000

18309000

vitaLED® 2.0 power supply for bus coupling unit





Specification

Material: plastic housing, primary voltage: 85-260 V AC / 50 Hz / / 120-370 V DC, ambient temperature: $20 ^{\circ}\text{C}$ to $60 ^{\circ}\text{C}$, dimensions: $193 \text{ mm} \times w 25 \text{ mm} \times h 56 \text{ mm}$

Suitable for DIN rail mounting (1.5 modules)

 Article-no.
 Secundary voltage
 Power output

 18309000
 24 V DC
 max. 0,63 A (15 VA)

18313000 vitaLED® 2.0 power adapter for master control





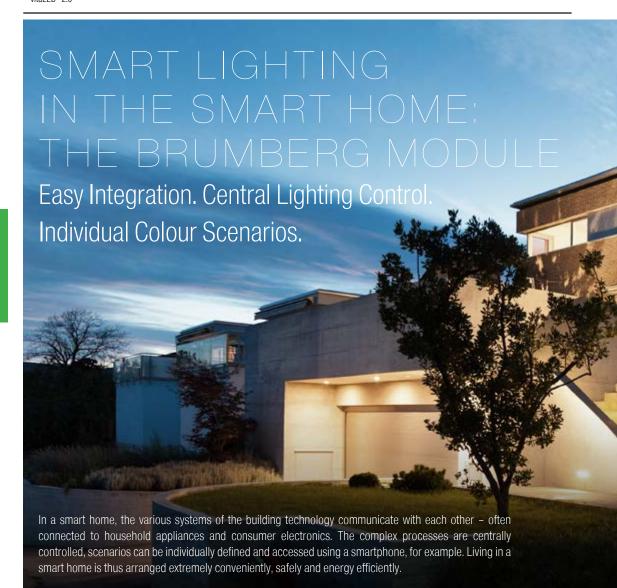
Specification

Material: plastic housing, primary voltage: $90\text{-}260\,\text{V}\,\text{AC}\,/\,50\,\text{Hz}\,//\,130\text{-}370\,\text{V}\,\text{DC}$ ambient temperature: $0\,^\circ\text{C}$ to $40\,^\circ\text{C},$ dimensions: $192\,\text{mm}\,\text{x}\,\text{w}\,52,5\,\text{mm}\,\text{x}\,\text{h}\,62,5\,\text{mm}$

For the power supply of the master controls Art. 18300000 and Art. 18312000

Article-no.	Secundary voltage	Power output
18313000	24 V DC	max. 0,25 A (6 VA)





BRUMBERG SMARTLIGHTING IN THE SMART HOME:

The Brumberg lighting systems can be controlled by corresponding smart home systems by integrating the SmartLighting module into the smart home systems available on the market. The integration of the SmartLighting module into the available IP environment takes place via the available open API interface.

As a central control element, the SmartLighting module has 2 DMX outputs: one for a DMX out for controlling vitaLED 2.0 and the other for a DMX out for controlling vitaLED 1.0, RGB, Tunable White monochromatic and dim2warm.

INTUITIVE USER INTERFACE PER APP OR BROWSER:

Following the smart home logic, Brumberg SmartLighting can be controlled intuitively using a smart user interface. This is optimized for different end devices: as an app (iOS and Android) for tablets and smartphones or browser-based for PCs and laptops.



The abundance of functions makes a lighting system possible that can be individually adjusted at any time to the needs of the residents of a smart home. For this purpose, individual parameters such as light intensity, light colour, colour temperature etc. can be adjusted in different scenarios.

With the SmartLighting module, the lighting system can be separately controlled in 16 individual zones and groups. Separate control areas can be defined from the 16 zones. A zone can be integrated into several groups or scenarios. Each of the 16 zones can be individually set to vitaLED® 1.0 or 2.0 RGB, Tunable White, monochromatic white light or colour light. In each zone configuration, the individually controllable channels can be changed separately for brightness. Different light scenarios can be freely defined.

VITAL AND COLOUR PROGRESSIONS WITH TIME CONTROL:

The spectrum of the pre-set colour temperatures ranges from 2,000 to 10,000 kelvin. Vital and colour progressions can be defined and accessed for example via a time control. The program duration is also freely selectable: if the SmartLighting module is connected to the Internet, vital progressions can be controlled in real time. With SmartLighting, the lighting system will turn into a personal highlight.

18318000 smart-lighting Modul











Specification

Functions:

- Each of the 16 zones can be set to vitaLED® 1.0 / 2.0, RGB, TunableWhite, monochrome white light / coloured light (the 18319000 DMX->1-10 V control board must be ordered separately for tunable White and monochrome)
- In each zone configuration, the individually controllable channels could be changed separately for brightness retrieval of pre-set colour temperatures from 2,000 K - 10,000 K
- Retrieval of factory-set gradients (RGB / Vita gradient / 11 colour scores)
- Setting a free choice of colours
- Setting and retrieving self-defined colour gradients / Vita gradients
- For each zone, light scenarios have been factory-set but are available as changeable
- Ease of initial configuration
- Control ranges freely definable from 16 zones
- Scenes can include freely selectable zones / areas
- A zone can be integrated into several areas
- Easy operation via a more convenient user interface than is possible with the LAN module
- Online updates can be installed using the IP interface (Internet required)
- Provision of a REST-API, including selected control functions

Connectivity:

- The assignment of the IP address of the smart-lighting module is made via DHCP
- The control of the module is made with an app (iOS / Android) (if this end device is in the same network). The smart-lighting module can also be accessed using the IP call-up

Ambient temperature: 0° C to +45° C, housing: plastic / aluminium

Article-no.

18318000

18319000 DMX - Wandlerplatine









Specification

Functions:

- DMX commands of the smart-lighting module are converted into 1-10 V signals for dimming and controlling monochromatic LED systems or Tunable White systems
- Adjustable DMX start address

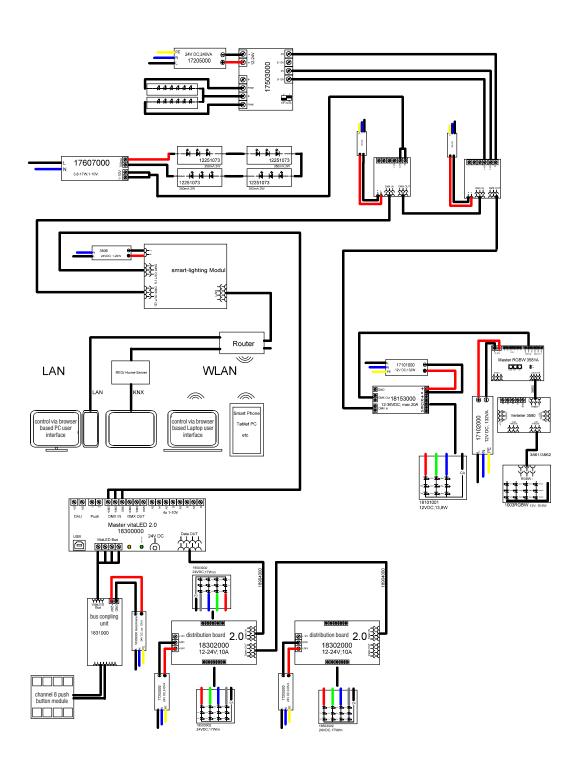
BRUMBERG[®]

- Output for the relay control (12 V DC) of the ballasts (switching off)

Ambient temperature: 0° C to +45° C, housing: plastic / aluminium

Article-no.

18319000





18900000 - 18902000 vitaLED® 2.0 8-pole connection cable



Specification

System cable to link distribution board and luminaire

Article-no.	Description
18900000	system cable 1000 mm
18901000	system cable 2000 mm
18902000	connection for system cable 100 mm

18906000 / 18909000 vitaLED® 2.0 extension cable



Specification

Connection set for signal transmission on pre-installed control lines from connection to distribution board or from the distribution board to the luminaire (see table).

Article-no.	Description	Length
18909000	connecting cable IN to Plug & Play distributor	200 mm
18906000	connecting cable (IN/ OUT) from distributor to luminaire	200 mm

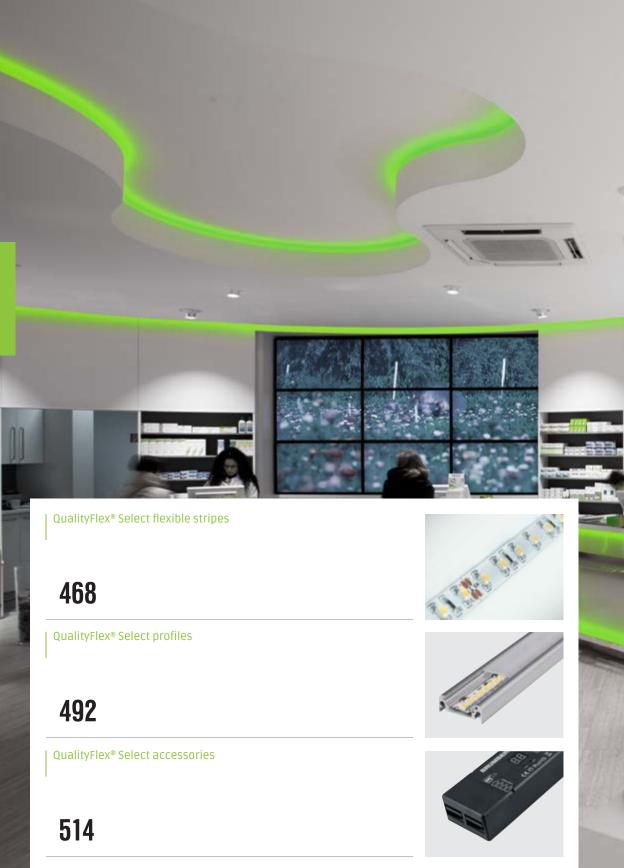
18903000 - 18905000 vitaLED® 2.0 system cable



Specification

System cable for signal continuation; from the master to the distribution board /from the distribution board to distribution board

Article-no.	Length
18903000	500 mm
18904000	5000 mm
18905000	10.000 mm







ATMOSPHERIC LIGHTING

Perfect ambient light with QualityFlex® Select LED light strips

The rhythm of our life is becoming increasingly more rapid. Work and living environments are changing. More and more people are consciously looking for the balance between action and relaxation. In this way, they maintain their balance between work and life – the indicator of our quality of life.

THE INTERPLAY OF FUNCTIONAL AND AMBIENT LIGHT

Light is playing an increasingly important role in designingour work and living environments. Strictly speaking, light can perform numerous tasks. Depending on the brightness and light colour, it can have a stimulating or calming effect. Ambient light creates a pleasant atmosphere in the perfect interplay with functional lighting.

QUALITYFLEX® SELECT – PERFECT FOR ATMOSPHERIC LIGHTING.

QualityFlex® Select LED stripsare perfect for atmospheric lighting. They are flexible and can be customized to individual lengths and integrated perfectly into the architecture of buildings and rooms. Ceiling panels and recesses can be lit with QualityFlex®, and room dividers are highlighted to great effect. The LED light strips create a genuine sense of well-being in wellness areas. Integrated into entrance areas or roof edges, they are effective in exterior areas as well.

QualityFlex® Select is frequently used in retail stores, the restaurant and hotel industries as well as in the upscale private sector. Expert advice about lighting technology and prefabrication to the desired lengths are part of Brumberg service.

THE PRODUCT LINE Large selection. Rapid availability. Prefabricated delivery.

QUALITYFLEX SELECT

LED flex strips available in a solid design and in individually selectable lengths. Design up to 5 m with 4.8 W, 9.6 W, 14.4 W, 19.2 W or 28.8 W. Design up to 15 m with 5 W, 10 W or 20 W. All LED flex strips come in 4 white temperatures – from cool white to warm white – and in 3 protection classes – IP00, IP60 and IP67 – for indoor and outdoor applications.19.2 W flex strips as TunableWhite version (IP00) as well as vitaLED® colour strip (IP00 and IP60). High lumen output and luminous efficiency per metre. Customized delivery with single end power feed of 300 mm to 350 mm and optional plug-in system available.



PROFILES

Expanded product range of recessed and extruded profiles for a wide range of installation and lighting situations. Available in various lengths of 1 m, 2 m or prefabricated to the desired length.

ACCESSORIES

Expanded product line of useful components. For each profile, a selected choice of accessories is available, such as covers, end caps and profile mountings.







Invisible and yet striking – the QualityFlex® Select LED flex strips are jacks of all trades in ambient lighting. They create atmosphere accents in interior and exterior areas. At the same time, they are highly efficient and long-lasting.

QUALITYFLEX® SELECT EDITION 2016.

QualityFlex® Select has achieved a new level of qualityin the Edition 2016. The white or coloured light strips are available in a variety of colour temperatures and light colours. As a rolled product with power inputs at both ends and individual divisibility of the segments (corresponding to the pre-set division segments), QualityFlex® Select is highly flexible.

MAXIMUM COLOUR FIDELITY IN FOUR WHITE TONES

The QualityFlex® Select programme features maximum colour fidelity and a variety of white colour temperatures. Each LED flex strip is available in cool white, neutral white and in two warm white tones.

THREE PROTECTION CLASSES FOR INTERIOR AND EXTERIOR AREAS.

With the three protection classes, IPO0, IP60 and IP67, QualityFlex® Select can be used with correct installation in damp locations without quality loss or safety risk. Integrated into the ceilings of pool and wellness oases, QualityFlex® Select provides a soothing atmosphere . Furthermore, the LED flex strips are provided with a silicon coating in the IP67 protection class. They can thus also be used in bathrooms and wellness and outdoor areas.

CUTTING POINTS FOR EASY DIVISIBILITY

QualityFlex® Select demonstrates its great flexibility in adapting to individual customer requirements. The flexible LED light strips can be easily customized to the desired length. The division segments are indicated by marked cutting points.



PERFECTLY MATCHED OUALITYFI FX® SELECT PROFILES

Brumberg has achieved optimal thermal management in the interaction between the QualityFlex® Select LED strips and the recessed and extruded profiles. The profiles conduct away heat and at the same time protect the light strips. The matching profiles are in each case clearly assigned to the LED flex strips. This provides electricians and lighting planners a high level of safety when planning their projects.

EASY INSTALLATION WITH ADHESIVE FILMAND PLUG-IN SYSTEM.

High quality 3M adhesive film on the bottom of the strips facilitates the assembly of QualityFlex® Select in the aluminium profiles. Outfitting with a plug-in system is also optionally available for parallel inputs of several LED flex strips. The manufacture with power supply cables attached at both ends simplifies the installation of QualityFlex® Select.

A WIDE RANGE OF ACCESSORIES

The expanded QualityFlex® Select product line includes useful accessories. For example, if the profiles are furnished with frosted or matt coverings, a more even light emission results. In addition to the matching end pieces and end caps, Brumberg also offers sets with mounting elements and screws.

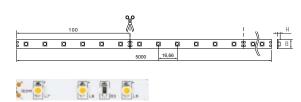
CUSTOMIZATION SERVICE

On request, Brumberg supplies prefabricated QualityFlex® Selectstrips. For this purpose, the entire roll length is divided into the smallest divisible unit of length. This unit of length is identified in the catalogue for each QualityFlex® Select light strip. To order the desired overall length, simply order a multiple of the respective smallest unit of length plus the customization service. You can find additional information about this on pages 60-61.

15201... / 15221... / 15271... LED flexible strip 4.8 W/m







Specification

Flexible LED conductor strips fitted with 300x SMD 3528 LEDs; power: max. 24W (4.8 W/m), beam angle: 120°, width: 8-11 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Max. efficiency [lm/W]: 75 Power input [W/m]: 4.8 Number of LEDs per metre. 60 Current [mA/Chip]: 20

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>85

*Intended purpose: special product for a decorative application. Not appropriate for use in other applications.





Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
15201027	75201027	2700 K	about 390 lm	A+	8 x 2.4 mm
15201003	75201003	3100 K	about 420 lm	A+	8 x 2.4 mm
15201004	75201004	4100 K	about 468 lm	A++	8 x 2.4 mm
15201005	75201005	6000 K	about 468 lm	A++	8 x 2.4 mm
15201008	75201008		about 66 lm	*	8 x 2.4 mm
15201006	75201006		about 140 lm	*	8 x 2.4 mm
15201009	75201009		about 150 lm	*	8 x 2.4 mm
15201007	75201007		about 230 lm	*	8 x 2.4 mm
	75998000	Customization for pr	otection class IP00		





Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]	
15221027	75221027	2700 K	about 280 lm	A	8 x 2.7 mm	
15221003	75221003	3100 K	about 302 lm	Α	8 x 2.7 mm	
15221004	75221004	4100 K	about 336 lm	A	8 x 2.7 mm	
15221005	75221005	6000 K	about 336 lm	A	8 x 2.7 mm	
	75999000	Customization with increased protection rating				

Resistant silicon coating, impervious to any mechanical stress; wipeable.



Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
15271027	75271027	2700 K	about 257 lm		Α	11 x 4 mm
15271003	75271003	3100 K	about 277 lm		Α	11 x 4 mm
15271004	75271004	4100 K	about 308 lm		Α+	11 x 4 mm
15271005	75271005	6000 K	about 308 lm		Α+	11 x 4 mm
15271008	75271008		about 43 lm		*	11 x 4 mm
15271006	75271006		about 92 lm		*	11 x 4 mm
15271009	75271009		about 99 lm		*	11 x 4 mm
15271007	75271007		about 151 lm		*	11 x 4 mm
75999000 Customization with increased protection rating						

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.





Decorative as well as accent lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers

Starting on page 516, you can find controllers for all signal types

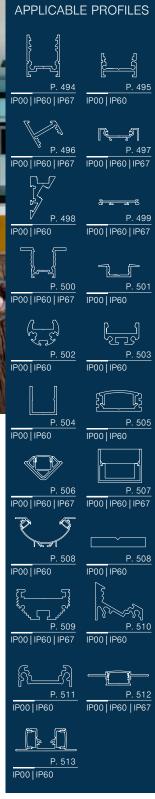




Additional accessories

You can find inputs, connectors and direct connectors on pages 518

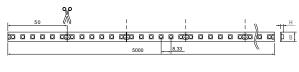




15202... / 15222... / 15272... LED flexible strip 9.6 W/m









Specification

Flexible LED conductor strips fitted with 600x SMD 3528 LEDs; power: max. 48 W (9.6 W/m), beam angle: 120°, width: 8-11 mm, length: 5,000 mm, easily cut every 50 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Max. efficiency [Im/W]: 75 Power input [W/m]: 9.6 Number of LEDs per metre. 120 Current [mA/Chip]: 20

Mechanical data

Separable length [mm]: 50 Short Pitch [mm]: 8.33 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>85





Article no./5 m	Article no./50 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
15202027	75202027	2700 K	about 780 lm	A+	8 x 2.4 mm
15202003	75202003	3100 K	about 840 lm	A+	8 x 2.4 mm
15202004	75202004	4100 K	about 936 lm	A+	8 x 2.4 mm
15202005	75202005	6000 K	about 936 lm	A+	8 x 2.4 mm
	75998000	Customization for pr	otection class IP00		





Article no./5 m	Article no./50 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
15222027	75222027	2700 K	about 561 lm) A+	8 x 2.7 mm
15222003	75222003	3100 K	about 604 lm	A+	8 x 2.7 mm
15222004	75222004	4100 K	about 673 lm	A+	8 x 2.7 mm
15222005	75222005	6000 K	about 673 lm	A+	8 x 2.7 mm
	75999000	Customization with i	increased protection	n rating	

Resistant silicon coating, impervious to any mechanical stress; wipeable.

P67



,	Article no./5 m	Article no./50 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
	15272027	75272027	2700 K	about 514 lm	0	А	11 x 4.2 mm
	15272003	75272003	3100 K	about 554 lm		Α	11 x 4.2 mm
	15272004	75272004	4100 K	about 617 lm		Α	11 x 4.2 mm
	15272005	75272005	6000 K	about 617 lm		Α	11 x 4.2 mm
		75999000	Customization with i	ncreased protect	tion rating	1	

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.



Technical as well as efficient lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers





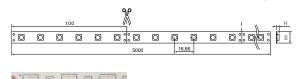


15203... / 15223... / 15273... LED flexible strip 14.4 W/m





14.4 W/m



Specification

Flexible LED conductor strips fitted with 300x SMD 5050 LEDs; power: max. 72 W (14.4 W/m), beam angle: 120°, width: 10-12.7 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 protection class: III Max. efficiency [Im/W]: 75 Power input [W/m]: 14.4 Number of LEDs per metre. 60 Current [mA/Chip]: 60

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>85





Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
15203027	75203027	2700 K	about 1200 lm	A+	10 x 2.2 mm
15203003	75203003	3100 K	about 1260 lm	A+	10 x 2.2 mm
15203004	75203004	4100 K	about 1380 lm	A+	10 x 2.2 mm
15203005	75203005	6000 K	about 1380 lm	A+	10 x 2.2 mm
	75998000	Customization for pr	otection class IP00		





Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
15223027	75223027	2700 K	about 864 lm		А	10 x 2.5 mm
15223003	75223003	3100 K	about 907 lm		А	10 x 2.5 mm
15223004	75223004	4100 K	about 993 lm		Α	10 x 2.5 mm
15223005	75223005	6000 K	about 993 lm		A	10 x 2.5 mm
	75999000	Customization with i	ncreased protec	tion rating		

Resistant silicon coating, impervious to any mechanical stress; wipeable.

P67



Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
15273027	75273027	2700 K	about 792 lm		A	12.7 x 5 mm
15273003	75273003	3100 K	about 831 lm		A	12.7 x 5 mm
15273004	75273004	4100 K	about 910 lm		A	12.7 x 5 mm
15273005	75273005	6000 K	about 910 lm		A	12.7 x 5 mm
	75999000	Customization with i	ncreased protec	tion rating		

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.



Basic or general lighting of rooms, architectural applications and areas in which a high level of illumination is required, such as indirect or direct lighting, illuminated ceilings, food industry lighting and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers

Starting on page 516, you can find controllers for all signal types





Additional accessories

You can find inputs, connectors and direct connectors on pages 518

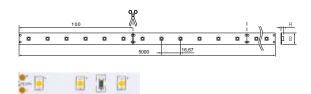




15204... LED flexible strip 14.4 W/m







Specification

Flexible LED conductor strips fitted with 300x SMD 2835 LEDs; power: max. 72 W (14.4 W/m), beam angle: 120°, width: 10 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Max. efficiency [lm/W]: 83 Power input [W/m]: 14.4 Number of LEDs per metre. 60 Current [mA/Chip]: 60

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.67 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>85





Article no./5 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
15204027	75204027	2700 K	about 1320 lm	A+	10 x 1.4 mm
15204003	75204003	3100 K	about 1380 lm	A+	10 x 1.4 mm
15204004	75204004	4100 K	about 1560 lm	A+	10 x 1.4 mm
15204005	75204005	6000 K	about 1560 lm	A+	10 x 1.4 mm
	75998000	Customization for pr	otection class IPOO		



Basic or general lighting of rooms, architectural applications and areas in which a high level of illumination is required, such as indirect or direct lighting, illuminated ceilings, food industry lighting and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers



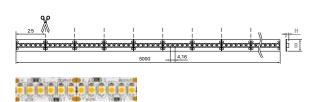




15205... LED flexible strip 19.2 W/m







Specification

Flexible LED conductor strips fitted with 1200x SMD 3528 LEDs; power: max. 96 W (19.2 W/m), beam angle: 120°, width: 10 mm, length: 5,000 mm*, easily cut every 25 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Max. efficiency [lm/W]: 75 Power input [W/m]: 19.2 Number of LEDs per metre. 240 Current [mA/Chip]: 20

Mechanical data

Separable length [mm]: 25 Short Pitch [mm]: 4.16 Modular power supply [mm]: one end 3,000 and both ends 5,000

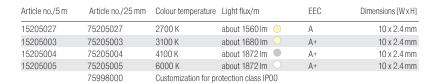
Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

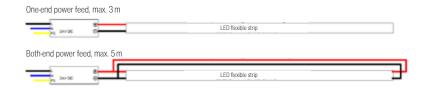
Beam angle: 120° CRI>85





*Installation note:

For a maximum modular length of 5,000 mm, the LED flex strips must be fed at both ends. For a power feed at one end, a maximum modular length of 3,000 mm must not be exceeded.







Basic or general lighting of rooms, architectural applications and areas in which a high level of illumination is required, such as indirect or direct lighting, illuminated ceilings, food industry lighting and many others.

Driver

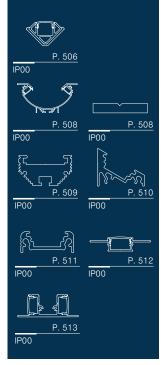
Starting on page 514, you can find appropriate drivers



Controllers



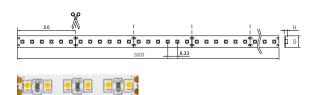




15206... LED flexible strip 28.8 W/m







Specification

Flexible LED conductor strips fitted with 600x SMD 2835 LEDs; power: max. 144 W (28.8 W/m), beam angle: 120°, width: 10 mm, length: 5,000 mm*, easily cut every 50 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Max. efficiency [lm/W]: 100 Power input [W/m]: 28.8 Number of LEDs per metre. 120 Current [mA/Chip]: 60

Mechanical data

Separable length [mm]: 50 Short Pitch [mm]: 8.33 Maximum modular power supply [mm]: one end 3,000 and both ends 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

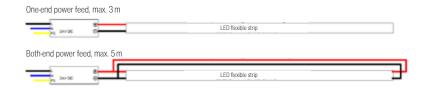
Beam angle: 120° CRI>85



Article no./5 m	Article no./50 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
15206027	75206027	2700 K	about 2640 lm	0	А	10 x 1.4 mm
15206003	75206003	3100 K	about 2760 lm		A+	10 x 1.4 mm
15206004	75206004	4100 K	about 3120 lm		A+	10 x 1.4 mm
15206005	75206005	6000 K	about 3120 lm		A+	10 x 1.4 mm
	75998000	Customization for pr	ntection class IPA	n		

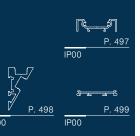
*Installation note:

For a maximum modular length of 5,000 mm, the LED flex strips must be fed at both ends. For a power feed at one end, a maximum modular length of 3,000 mm must not be exceeded.





APPLICABLE PROFILES



Fields of application

Basic or general lighting of rooms, architectural applications and areas in which a high level of illumination is required, such as indirect or direct lighting, illuminated ceilings, food industry lighting and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers





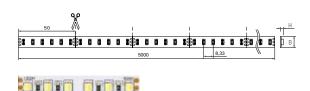


15215004

TunableWhite LED flexible strip 19.2 W/m







Specification

Flexible LED conductor strips fitted with 600x SMD 3527 LEDs, bi-colour double chip technology (DCT); power: max. 96 W (19.2 W/m), beam angle: 120°, width: 10 mm, length: 5,000 mm, easily cut every 50 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends,

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 protection class: III Power input [W/m]: 19.2 Number of LEDs per metre. 120 Current [mA/Chip]: 40 Control: negative (3-core wire)

Mechanical data

Separable length [mm]: 50 Short Pitch [mm]: 8.33 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120°





Article no./5 m	Article no./50mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
15215004	75215004	2700 K	about 700 lm	А	10 x 2 mm
		5700 K	about 700 lm		
	75998000	Customization for pr	otection class IP00		





Changeable white light area using adjustment of colour temperature of the warm white and cool white channels for customised and efficient lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps, illuminated ceilings and many others. Optimised fur use with Brumberg 2-channel or TunableWhite controls.

Driver

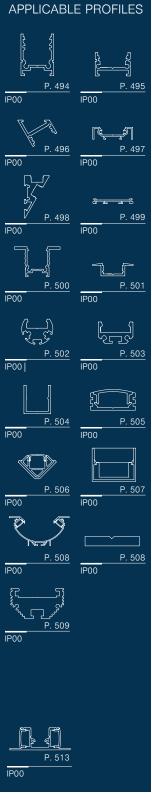
Starting on page 514, you can find appropriate drivers



Controllers





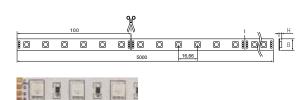


15203001 / 15223001 / 15273001

LED flexible strip RGB 14.4 W/m







Specification

Flexible LED conductor strips fitted with 300x SMD 5050 RGB LEDs, multi-colour; power: max. 72 W (14.4 W/m), beam angle: 120°, width: 10-12.7 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

*Intended purpose: special product for a decorative application. Not appropriate for use in other applications.

Electrical data

Nominal voltage [V DC]: 24 protection class: III Power input [Wm]: 14.4 Number of LEDs per metre. 60 Current [mA/Chip]: 60 Control: negative (4-core wire)

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° Light colour category RGB





Article no./5 m	Article no./100 mm	Light colour	Light flux/m	Dimensions [WxH]:
15203001	75203001	red	about 160 lm	10 x 2.2 mm
		green	about 430 lm	
		blue	about 80 lm	
	75998000	Customization for	protection class IP00	





Article no./5 m	Article no./100 mm	Light colour	Light flux/m	Dimensions [WxH]:
15223001	75223001	red	about 1151m	10 x 2.5 mm
		green	about 309 lm	
		blue	about 57 lm	
	75999000	Customization with	increased protection rating	

Resistant silicon coating, impervious to any mechanical stress; wipeable.

P67



Article no./5 m	Article no./100 mm	Light colour	Light flux/m	Dimensions [WxH]:
15273001	75273001	red	about 105 lm	12.7 x 5 mm
		green	about 282 lm	
		blue	about 52 lm	
	75999000	Customization with	increased protection rating	

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.



Individual colours or colour blending using the red, green and blue colour channels for decorative and accent lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps and many others. Optimised fur use with Brumberg RGB controls.

Driver

Starting on page 514, you can find appropriate drivers



Controllers

Starting on page 516, you can find controllers for all signal types





Additional accessories

You can find inputs, connectors and direct connectors on pages 5189.



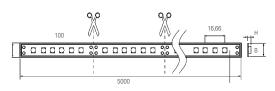


18513002 / 18562002

LED flexible strip RGBW 19.2W/m







Specification

Flexible LED conductor strips fitted with 600x SMD LED double chip, multi-colour 4in1; power: max. 96 W (19.2 W/m), beam angle: 120°, width: 10 mm, length: 5,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends; length 350 mm each.

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

*Intended purpose: special product for a decorative application. Not appropriate for use in other applications.

Electrical data

Nominal voltage [V DC]: 24 protection class: III Power input [W/m]: 19.2 Number of LEDs per metre. 120 Control: negative (5-core wire)

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 max. module length [mm]: 5,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° Light colour category RGBW





Article no./5 m	Article no./100 mm	Light colour	Light flux/m	EEC	Dimensions [WxH]:
18513002 75513002	75513002	4000 K	about 445 lm	A+	10 x 2 mm
		622 nm	about 120 lm		
		531 nm	about 270 lm		
		452 nm	about 50 lm		
75998000		Customization for pr	otection class IP00		

Optimized for the use in the Brumberg vitaLED® system.

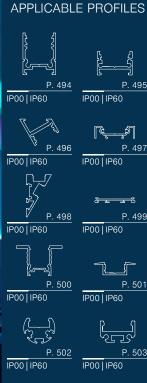




Article no./5 m	Article no./100 mm	Light colour	Light flux/m	EEC	Dimensions [WxH]:
18562002	75523001	4000 K	about 320 lm	A+	10 x 3 mm
	· ·	622 nm	about 86 lm		
		531 nm	about 194 lm		
		452 nm	about 36 lm		
	75999000	Customization with	increased protection ratin	g	

Resistant silicon coating, impervious to any mechanical stress; wipeable.





White light area and colour blending using the red, green and blue colour channels for changeable and efficient lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps, illuminated ceilings and many others. The IP00 flexible strip is optimised for used in the Brumberg vitaLED® 2.0 System

Driver

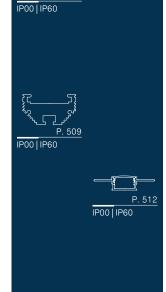
Starting on page 514, you can find appropriate drivers



Controllers





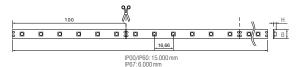


19201... / 19221... / 19261... LED flexible strip 5 W/m





5W/m



Specification

Flexible LED conductor strips fitted with 900x 3014 LEDs, integrated constant current source; power: max. 75 W (5 W/m), beam angle: 120°, width: 10-12 mm, length: 15,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends (tin-plated wire ends),

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Power input [W/m]: 5 Number of LEDs per metre. 60 Current [mA/Chip]: 20

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 min. bending radius [mm]: 60 max. module length [mm]: 15,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>80 SDCM: Step 3





Article no./15 m	Article no./100 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
19201927	76201927	2700 K	about 540 lm		A++	10 x 1.5 mm
19201903	76201903	3000 K	about 540 lm		A++	10 x 1.5 mm
19201904	76201904	4000 K	about 570 lm		A++	10 x 1.5 mm
19202905	76201905	6500 K	about 570 lm		A++	10 x 1.5 mm
	75008000	Customization for no	ntection class II	200		





Article no./15 m	Article no./100 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
19221927	76221927	2700 K	about 432 lm		A+	10 x 2.8 mm
19221903	76221903	3500 K	about 432 lm		A+	10 x 2.8 mm
19221904	76221904	4000 K	about 456 lm		A+	10 x 2.8 mm
19221905	76221905	5700 K	about 456 lm		A+	10 x 2.8 mm
	75999000	Customization with i	ncreased protec	tion rating		

Resistant silicon coating, impervious to any mechanical stress; wipeable.





Article no./6 m	Article no./100 mm	Colour temperature	Light flux/m		EEC	Dimensions [WxH]
19261927	76261927	2700 K	about 405 lm		A+	12 x 4 mm
19261903	76261903	3500 K	about 405 lm		A+	12 x 4 mm
19261904	76261904	4100 K	about 427 lm		A+	12 x 4 mm
19261905	76261905	5600 K	about 427 lm		A+	12 x 4 mm
	75999000	Customization with i	increased protec	ction rating		

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.

APPLICABLE PROFILES



Fields of application

Decorative and accent lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers





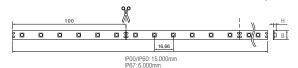


19202... / 19222... / 19262... LED flexible strip 10 W/m





10 W/m



Specification

Flexible LED conductor strips fitted with 900x 3014 LEDs, integrated constant current source; power: max. 150 W (10 W/m), beam angle: 120°, width: 10-12 mm, length: 15,000 mm, easily cut every 100 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends (tin-plated wire ends),

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Power input [W/m]: 10 Number of LEDs per metre. 60 Current [mA/Chip]: 40

Mechanical data

Separable length [mm]: 100 Short Pitch [mm]: 16.66 min. bending radius [mm]: 60 max. module length [mm]: 15,000

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>80 SDCM: Step 3





Article no./15 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
19202927	76202927	2700 K	about 1080 lm	Α+	10 x 1.5 mm
19202903	76202903	3000 K	about 1080 lm	A+	10 x 1.5 mm
19202904	76202904	4000 K	about 1140 lm	A++	10 x 1.5 mm
19202905	76202905	6500 K	about 1140 lm	A++	10 x 1.5 mm
	75998000	Customization for pr	otection class IPOO		





Article no./15 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
19222927	76222927	2700 K	about 864 lm	A+	10 x 2.8 mm
19222903	76222903	3500 K	about 864 lm	A+	10 x 2.8 mm
19222904	76222904	4000 K	about 912 lm	A+	10 x 2.8 mm
19222905	76222905	5700 K	about 912 lm	A+	10 x 2.8 mm
	75999000	Customization with i	ncreased protection rating		

Resistant silicon coating, impervious to any mechanical stress; wipeable.





Article no./6 m	Article no./100 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
19262927	76262927	2700 K	about 810 lm	Α+	12 x 4 mm
19262903	76262903	3500 K	about 810 lm	A+	12 x 4 mm
19262904	76262904	4100 K	about 855 lm	A+	12 x 4 mm
19262905	76262905	5600 K	about 855 lm	A+	12 x 4 mm
	75999000	Customization with i	ncreased protection rating		

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.



Technical and efficient lighting of lighting coves, linear applications and backlighting, such as furniture, shelves, display cases, shadow gaps and many others.

Driver

Starting on page 514, you can find appropriate drivers



Controllers

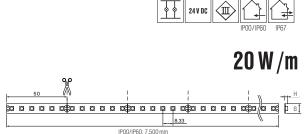






19203... / 19223... / 19263... LED flexible strip 20 W/m





IP67: 6.000 mm

Specification

Flexible LED conductor strips fitted with 900x 3014 LEDs, integrated constant current source; power: max. 150 W (20 W/m), beam angle: 120°, width: 10-12 mm, length: 7,500 mm, easily cut every 50 mm, two-sided 3M adhesive tape included in delivery to aid installation. Incl. connector cables at both ends (tin-plated wire ends), length

To dissipate heat, light must be mounted on aluminium profiles. (Starting on p. 494).

Electrical data

Nominal voltage [V DC]: 24 Protection class: III Power input [W/m]: 20 Number of LEDs per metre. 120 Current [mA/Chip]: 40

Mechanical data

Separable length [mm]: 50 Short Pitch [mm]: 8.33 min. bending radius [mm]: 60 max. module length [mm]: 7,500

Temperature data

Ambient temperature [°C]: -10 - +40

Luminaire data

Beam angle: 120° CRI>80 SDCM: Step 3





Article no./ 7.5 m	Article no./50 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
19203927	76203927	2700 K	about 2040 lm	A+	10 x 1.5 mm
19203903	76203903	3000 K	about 2040 lm	A+	10 x 1.5 mm
19203904	76203904	4000 K	about 2160 lm	A+	10 x 1.5 mm
19203905	76203905	6500 K	about 2160 lm	A+	10 x 1.5 mm
	75998000	Customization for pr	otection class IP00		





Article no./7.5 m	Article no./50 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
19223927	76223927	2700 K	about 1632 lm	А	10 x 2.8 mm
19223903	76223903	3500 K	about 1632 lm	Α	10 x 2.8 mm
19223904	76223904	4000 K	about 1728 lm	Α	10 x 2.8 mm
19223905	76223905	5700 K	about 1728 lm	Α	10 x 2.8 mm
	75999000	Customization with i	increased protection rating		

Resistant silicon coating, impervious to any mechanical stress; wipeable.

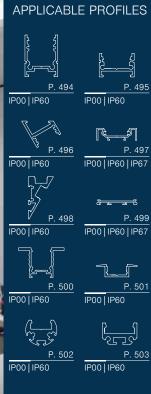




Article no./6 m	Article no./50 mm	Colour temperature	Light flux/m	EEC	Dimensions [WxH]
19263927	76263927	2700 K	about 1530 lm	А	12 x 4 mm
19263903	76263903	3500 K	about 1530 lm	Α	12 x 4 mm
19263904	76263904	4100 K	about 1620 lm	Α	12 x 4 mm
19263905	76263905	5600 K	about 1620 lm	Α	12 x 4 mm
	75999000	Customization with i	ncreased protection rating		

White, light-reflecting support profile with resistant silicon coating. Optimum protection against mechanical stress and moisture; wipeable.





Basic or general lighting of rooms, architectural applications and areas in which a high level of illumination is required, such as indirect or direct lighting, illuminated ceilings, food industry lighting and many others.

Driver

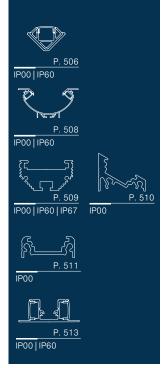
Starting on page 514, you can find appropriate drivers



Controllers







QualityFlex® Quick finder Which profile goes with which LED flex strip?

			15761	15751	15741	15791	15841	15871	15781	15881	15701
	Activities	0.75	21	a 5	*	27		*	12	-	*
IP00	Artikel-Nr.	Seite	34	35	36	37	38	39	40	41	42
4.8 W/m	15201	8	1	1	1	2	2	3	1	1	1
9.6 W/m	15202	10	1	1	1	2	2	2	1	1	1
14.4 W/m	15203	12 / 22	1	1	1	2	2	2	1	1	1
14.4 W/m	15204	14	1	1	1	2	2	2	1	1	1
19.2 W/m	15205	16	1	1	1	1	1	1	1	1	1
28.8 W/m	15206	18	-	-	-	1	1	1	-	-	-
19.2 W/m	15215	20	1	1	1	1	2	1	1	1	1
19.2 W/m	18503	24	1	1	1	1	1	1	1	1	1
5 W/m	19201	26	1	1	1	1	1	1	1	1	1
10 W/m	19202	28	1	1	1	1	1	1	1	1	1
20 W/m	19203	30	1	1	1	1	1	1	1	1	1

IP60											
4.8 W/m	15221	8	1	1	1	2	2	3	1	1	1
9.6 W/m	15222	10	1	1	1	2	2	2	1	1	1
14.4 W/m	15223	12 / 22	1	1	1	2	2	2	1	1	1
19.2 W/m	18523	24	1	1	1	1	2	1	1	1	1
5 W/m	19221	26	1	1	1	1	1	1	1	1	1
10 W/m	19222	28	1	1	1	1	1	1	1	1	1
20 W/m	19223	30	1	1	1	1	1	1	1	1	1

IP67											
4.8 W/m	15271	8	1	-	1	1	_	2	1	_	_
9.6 W/m	15272	10	1	-	1	1	_	2	1	_	_
14.4 W/m	15273	12 / 22	-	-	-	1	-	2	-	-	-
5 W/m	19261	26	-	-	-	1	-	1	-	-	-
10 W/m	19262	28	_	-	-	1	-	1	-	-	-
20 W/m	19263	30	-	-	-	1	-	1	-	-	-

^[-] The conductor strip and the profile are not compatible.

^[2] A maximum of two conductor strips can be installed in the profile.

^[1] A conductor strip can be installed in the profile.

^[3] A maximum of three conductor strips can be installed in the profile.

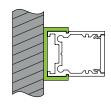
15911	15851	15861	15541	15031	15405	15711	15971	15941	15951	15731	15408
*		ॐ			*	-	•				#
43	44	45	46	47	48	48	49	50	51	52	53
1	1	1	1	1	2	1	3	1	1	1	2
1	1	1	1	1	2	1	3	1	1	1	2
1	1	1	1	1	2	1	2	1	1	1	2
1	1	1	1	1	2	1	2	1	1	1	2
1	-	-	1	-	2	1	2	1	1	1	2
-	-	-	-	-	-	-	1	-	-	-	-
1	1	1	1	1	2	1	2	-	-	-	2
1	-	-	1	-	-	-	2	-	-	1	-
1	1	1	1	1	2	1	1	1	1	1	2
1	1	1	1	1	2	1	1	1	1	1	2
1	-	-	1	-	2	-	1	1	1	-	2
	1		4		0						
1		1	1	1	2	1	2	1	1	1	2
1	1	1	1	1	2	1	2	1	1	1	2
1	-	1	1	1	2	1	2	1	1	1	2
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-	-	-	1	1	-	-	1	-	-	1	-
-	-	-	-	1	-	-	1	-	-	-	-
-	_	-	-	1	-	-	1	-	-	-	-
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-	-	-	-	-	_	-	1	-	-	-	-

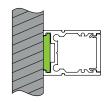
15761... / 15762

Aluminium profile









Finished lengths

The compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour
15761260	1,000 mm	silver
15762260	2,000 mm	silver

Customization

Article no.	Customization
75761260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments See ordering details for customization on pp. 60-61

Accessories

Covers







Profile covers:	plastic (PMMA), UV stabilized			
Article no.	Length	Colour		

,2	-	
	_ <u>₹</u>	







Article no.	Length	Colour
15734000	1,000 mm	transparent
15735000	2,000 mm	transparent

Article no.	Length	Colour
15765070	1,000 mm	opal
15766070	2,000 mm	opal

Article no.	Length	Colour
15730070	1,000 mm	opal
15731070	2,000 mm	opal

Customization

Article no.	Customization
75734000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75765070	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75730070	Covers 100 mm
75992000	Customization of the cover

100 mm segments

See ordering details for customization on pp. 60-61

End pieces to cover A





Article no.		Colour
15767000	with cable-hole	silver
15768000	w/o cable-hole	silver

End pieces to cover **B**



. 18 .]		.2
	35,2		
(O) (O))		
]	L	

Article no.		Colour
15773000	with cable-hole	silver
15774000	w/o cable-hole	silver

Mounting clip





Article no.	Colour
15771000	silver

Mounting ring





Article no.	Colour
15769000	silver

Mounting magnet





Article no.	Colour	
15770000	silver	

Cord suspension



. 401	
Article no.	Colour
15772000	stainless steel

15751... / 15752... Aluminium profile









Cover **B**

Cover A

The compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour
15751260	1,000 mm	silver
15752260	2,000 mm	silver

Finished lengths

Customization

Article no.	Customization
75751260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 60-61

Accessories

Covers



Finished lengths

Customization





Article no.	Length	Colour
15734000	1,000 mm	transparent
15735000	2,000 mm	transparent

Profile covers / plastic cover, PMMA, UV stabilized

Article no.	Length	Colour	
15765070	1,000 mm	opal	
15766070	2 000 mm	onal	

Article no.	Length	Colour
15730070	1,000 mm	opal
15731070	2,000 mm	opal

Article no.	Customization
75734000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75765070	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75730070	Covers 100 mm
75992000	Customization of the cover

100 mm segments

See ordering details for customization on pp. 60-61

End pieces to cover A



End pieces to cover **B**





Ø15<u>,</u>8

Article no.		Colour
15744000	with cable-hole	silver
15745000	w/o cable-hole	silver

Mounting clip





Article no.	Colour
15771000	silver

Mounting ring

15757000 with cable-hole

15758000 w/o cable-hole



Article no.

Article no.



Colour

silver

silver







Mounting magnet

Cord suspension

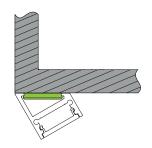


Article no.	Colour
15772000	stainless steel

Colour

15741... / 15742... Aluminium profile





Finished lengths

Customization

The compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour
15741260	1,000 mm	silver
15742260	2,000 mm	silver

Article no. Customization
75741260 Aluminium profile 100 mm
75991000 Customization of the aluminium profile

100 mm segments See ordering details for customization on pp. 60-61

Accessories

Covers

Finished lengths

Customization







Profile covers: plastic (PMMA), UV stabilized





Article no.	Length	Colour
15765070	1,000 mm	opal
15766070	2.000 mm	opal

Article no. Customization 75734000 Covers 100 mm 75992000 Customization of the cover

Article no.	Customization
75765070	Covers 100 mm
75992000	Customization of the cover

100 mm segments See ordering details for customization on pp. 60-61

End caps





Mounting ring







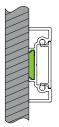


Article no.		Colour
15738000	left	silver
15739000	right	silver

Article no.	Colour
15769000	silver

Article no.	Colour
15770000	silver

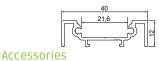
15791... / 15792... Aluminium profile





Finished lengths

The compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour
15791260	1,000 mm	silver
15792260	2,000 mm	silver

Customization

Article no.	Customization
75791260	Aluminium profile 100 mm
75991000	Customization of the

100 mm segments See ordering details for customization on pp. 60-61

Covers

Finished lengths

15741000 1,000 mm

15714070 1,000 mm opal 15715070 2,000 mm opal

Profile covers / plastic cover, PC, UV stabilized

Colour

transparent

 	25	
	21,4	5.67

15742000	2,000 mm	transparent
Article no.	Length	Colour

Customization

Article no.	Customization
75741000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75714070	Covers 100 mm
75992000	Customization of the cover



100 mm segments

See ordering details for customization on pp. 60-61

End caps

0 0 0 24 40

Article no.		Colour
15736000	with cable-hole	silver
15737000	w/o cable-hole	silver

Mounting ring







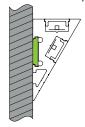


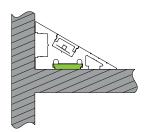
Article no.	Colour
15770000	silver

15841... / 15842...

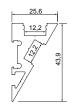
Aluminium profile for up to 2 LED flexible strips







Compatibility of the profiles and strips see pages 492-493.



Finished lengths

Article no.	Length	Colour
15841260	1,000 mm	silver
15842260	2,000 mm	silver

Customization

Article no.	Customization
75841260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 520-521

Accessories

Covers









Finished lengths

Profile covers: Plastic (PMMA), UV stabilized

Article no.	Length	Colour
15807000	1,000 mm	transparent
15808000	2,000 mm	transparent

Article no.	Length	Colour
15809070	1,000 mm	opal
15810070	2.000 mm	onal

Customization

Article no.	Customization
75807000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75809070	Covers 100 mm
75992000	Customization of the cover

100 mm segments

See ordering details for customization on pp. 520-521

End caps





Article no.		Colour
15867000	left	silver
15868000	right	silver

Mounting ring



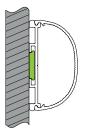






Article no.	Colour
15770000	silver

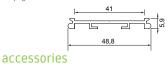
15871... / 15872... Aluminium profile





Finished lengths

Compatibility of the profiles and strips see pages 492-493.



ca. 48,5

ca. 48,5

Article no.	Length	Colour
15871260	1,000 mm	silver
15872260	2,000 mm	silver

Customization

Article no.	Customization
75871260	Aluminium profile 100 mm
75991000	Customization of the

100 mm segments

See ordering details for customization on pp. 520-521

Covers

Finished lengths

23 ca.

23 ca.

Article no.	Length	Colour
15822000	1,000 mm	transparent
15823000	2.000 mm	transparent

Profile covers: Plastic (PC), UV stabilized

Article no.	Length	Colour
15824070	1,000 mm	opal
15825070	2,000 mm	opal

Customization

Article no.	Customization
75822000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75824070	Covers 100 mm
75992000	Customization of the cover

100 mm segments

See ordering details for customization on pp. 520-521

Mounting ring









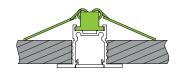
Article no.	Colour	
15769000	silver	

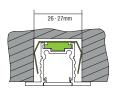
Article no. Colour 15770000 silver

15781... / 15782

Aluminium profile

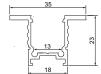






Finished lengths

The compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour
15781260	1,000 mm	silver
15782260	2,000 mm	silver

Customization

Article no.	Customization	
75781260	Aluminium profile 100 mm	
75991000	Customization of the aluminium profile	

100 mm segments

See ordering details for customization on pp. 520-521

Covers

Accessories









Finished lengths

Profile covers / Plastic (PMMA), UV stabilized

Article no.	Length	Colour
15734000	1,000 mm	transparent
15735000	2,000 mm	transparent

Article no.	Length	Colour
15765070	1,000 mm	opal
15766070	2,000 mm	opal

Customization

Article no.	Customization	
75734000	Covers 100 mm	
75992000	Customization of the cover	

Article no.	Customization	
75765070	Covers 100 mm	
75992000	Customization of the cover	

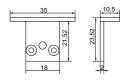
100 mm segments

See ordering details for customization on pp. 520-521

End caps



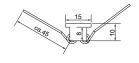
Article no.		Colour
15786260	with cable-hole	silver
15787260	w/o cable-hole	silver



Profile spring clip



Article no.	Material
15789000	aluminium/ spring steel



Fixation clamp







Article no. Colour 15788000 spring steel

15881... / 15882... Aluminium profile





Finished lengths

The compatibility of the profiles and strips see pages 492-493.

Ar	ticle no.	Length	Colour
15	881260	1,000 mm	silver
15	882260	2,000 mm	silver

Customization

Article no. Customization
75881260 Aluminium profile 100 mm
75991000 Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 520-521

Covers

Finished lengths

Customization





Article no.	Length	Colour
15807000	1,000 mm	transparent
15808000	2,000 mm	transparent

Profile covers: plastic (PMMA), UV stabilized

Article no.	Customization
75807000	Covers 100 mm
75992000	Customization of the cover





Article no.	Length	Colour
15809070	1,000 mm	opal
15810070	2.000 mm	onal

Article no. Customization 75809070 Covers 100 mm 75992000 Customization of the cover

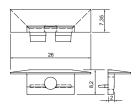
100 mm segments

See ordering details for customization on pp. 520-521

End cap

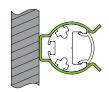


Article no.		Colour
15816000	with cable-hole	silver
15817000	w/o cable-hole	silver



15701... / 15702... Aluminium profile





Colour

Compatibility of the profiles and strips see pages 492-493.



Article no. Length 15701260 1,000 mm silver 15702260 2,000 mm silver

Finished lengths

Customization

Article no. Customization 75701260 Aluminium profile 100 mm Customization of the aluminium profile 75991000

100 mm segments

See ordering details for customization on pp. 520-521

Covers





Finished lengths

Profile covers:	Plastic (PC),	UV stabilized
Article no.	Length	Colour
15704000	1,000 mm	transparent
15705000	2.000 mm	transparent

Article no.	Length	Colour
15704070	1,000 mm	opal
15705070	2.000 mm	opal

Customization

Article no.	Customization
75704000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75704070	Covers 100 mm
75992000	Customization of the cover

100 mm segments

See ordering details for customization on pp. 520-521

End caps



Article no.		Colour
15707260	with cable-hole	silver
15708260	w/o cable-hole	silver

Mounting ring







15911... / 15912... Aluminium profile



Compatibility of the profiles and strips

see pages 492-493.

Accessories



Article no.	Length	Colour
15911260	1,000 mm	transparent
15912260	2,000 mm	transparent

Finished lengths

Customization

Article no. Customization
75911260 Aluminium profile 100 mm
75991000 Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 520-521

Covers







Finished lengths

Profile covers: Plastic (PC), UV stabilized

Article no.	Length	Colour
15704000	1,000 mm	transparent
15705000	2,000 mm	transparent

Article no.	Length	Colour
15704070	1,000 mm	opal
15705070	2,000 mm	opal

Customization

Article no.	Customization
75704000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75704070	Covers 100 mm
75992000	Customization of the cover

$100\,\text{mm segments}$

See ordering details for customization on pp. 520-521



15851... / 15852... Aluminium profile



Compatibility of the profiles and strips see pages 492-493.





Finished lengths

Article no.	Length	Colour
15851260	1,000 mm	silver
15852260	2,000 mm	silver

Customization

Article no.	Customization	
75851260	Aluminium profile 100 mm	
75991000	Customization of the aluminium profile	

100 mm segments

See ordering details for customization on pp. 520-521

Accessories

Covers





Finished lengths

Profile covers: Plastic (PC), UV stabilized

Article no.	Length	Colour	
15880070	1,000 mm	opal	
15881070	2 000 mm	onal	

Customization

Article no.	Customization	
75880070	Aluminium profile 100 mm	
75992000	Customization of the	

100 mm segments

See ordering details for customization on pp. 520-521

End caps (aluminium)





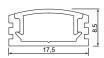
Article no.	Colour	
15895260	with cable-hole	silver
15896260	w/o cable-hole	silver

15861... / 15862... Aluminium profile





Aluminium profile incl. opal cover (UV stabilized), end pieces and mounting clips. The compatibility of the profiles and strips see pages 492-493.



Finished lengths

Article no.	Length	Colour
15861260	1,000 mm	silver
15862260	2,000 mm	silver

Customization

Article no.	Customization
75861260	Aluminium profile 100 mm
75991000	Customization of the

100 mm segments

See ordering details for customization on pp. 520-521

Accessories

Accessory kit

consists of:

4 x screws

4 x mounting clip

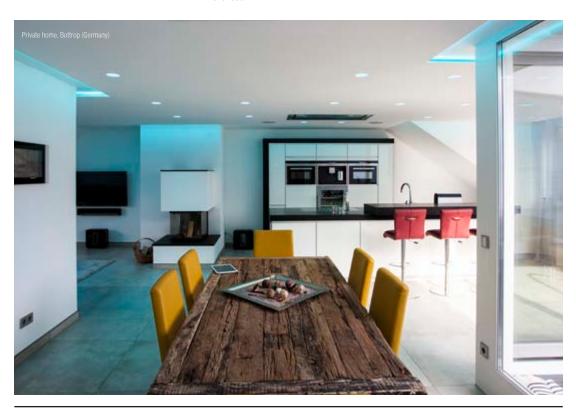
1 x end caps with cable-hole

1 x end caps without cable-hole

Article no.

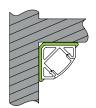
15401000





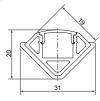
15541... / 15542... Aluminium profile





Specification

Aluminium profile incl. opal cover (UV stabilized), end pieces and mounting clips. The compatibility of the profiles and strips see pages 492-493.



Finished lengths

Article no.	Length	Colour
15541260	1,000 mm	silver
15542260	2,000 mm	silver

Customization

Article no.	Customization
75541260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

Accessories

Accessory kit

consists of:

8 x screws

4 x mounting clip

1 x end caps with cable-hole

1 x end caps without cable-hole

Article no.

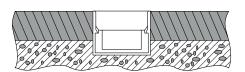
15545000





15031... / 15032... Aluminium profile

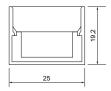






Specification

Aluminium profile incl.opal cover (UV stabilized) and end pieces. The compatibility of the profiles and strips see pages 492-493.



Accessories

Finished lengths

Article no.	Length	Colour
15031260	1,000 mm	silver
15032260	2,000 mm	silver

Customization

Article no.	Customization
75031260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 520-521

Strip installation by 'slide':

the cover and profile are firmly connected and cannot be opened. Installation of the LED flex strip must be made on the aluminium profiles 1572160 or 1572260 (p. 48), which is slid into the base profile laterally. When using the LED flex strip 15272... (P. 10) you will receive a homogeneous illumination of the upper side of the profile.

Accessory kit

consists of:

1 x end caps with cable-hole

1 x end caps without cable-hole

Article no. 15331000

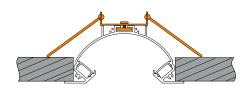




15405...

Aluminium profile Deckeneinbau





Finished lengths

Länge

15405260 3.000 mm silber

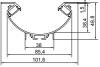
15405070 3.000 mm weiß

Farbe

Ceiling installation profile for mounting 2 LED circuit boards. Includes two polycarbonate profile covers (UV stabilised), transparent.



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End caps

Article no.

Article no. 15450260 silver with cable-hole 15450070 white with cable-hole Article no. 15460260 silver w/o cable-hole

15460070 white w/o cable-hole

Fixation clamp



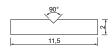
Article no. Material 15406000 steel

1571... / 1572... / 1573... Aluminium profile



Specification

Aluminium profile for LED conductor strips up to a width of 10 mm.



Finished lengths

Article no.	Length	Colour
15711260	1,000 mm	silver
15712260	2,000 mm	silver

Aluminium profile, reverse side with double-sided adhesive strip

Article no. Length Colour	
15721260 1,000 mm silver	
15722260 2,000 mm silver	

Aluminium profile, reverse side with double-sided magnet strip

Article no.	Length	Colour
15731260	1,000 mm	silver
15732260	2 000 mm	silver

Customization

Article no.	Customization
75711260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

Article no.	Customization
75721260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

Article no.	Customization
75731260	Aluminium profile 100 mm
75991000	Customization of the

15971... / 15972... Aluminium profile



Compatibility of the profiles and strips see pages 492-493.

35 25,2 25,2 Accessories

Finished lengths

Article no.	Length	Colour
15971260	1,000 mm	silver
15972260	2,000 mm	silver

Customization

Article no.	Customization
75971260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 520-521

Covers





Finished lengths

Profile covers: Material: plastic (PC, UV stabilized)

Article no.	Length	Colour
15974000	1,000 mm	transparent
15975000	2,000 mm	transparent

Article no.	Length	Colour	
15974070	1,000 mm	opal	
15975070	2.000 mm	onal	

Customization

Article no.	Customization
75974000	Covers 100 mm
75992000	Customization of the cover

Article no.	Customization
75974070	Covers 100 mm
75992000	Customization of the cover

100 mm segments

See ordering details for customization on pp. 520-521

Fixation clamp



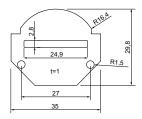
Material: spring steel

Article no. 15978000

End caps



Article no.		Colour
15998260	with cable-hole	silver
15999260	w/o cable-hole	silver



15941... / 15942... Aluminium profile



Delivery without flexible strip

Finished lengths

Compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour
15941260	1,000 mm	silver
15942260	2,000 mm	silver

Customization

Article no. Customization
75941260 Aluminium profile 100 mm
75991000 Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 60-61

Accessories

Covers Finished lengths

Customization



Profile covers: plastic (PMMA), UV stabilized, cover installation by 'slide'

Article no.	Length	Colour	
15934070	1,000 mm	opal	
15935070	2,000 mm	opal	

Article no.	Customization
75934070	Covers 100 mm
75992000	Customization of the cove



Article no.	Length	Colour
15934000	1,000 mm	satined
15025000	2 000 mm	cotinod

Article no.	Customization
75934000	Covers 100 mm
75992000	Customization of the cover





Article no.	Length	Colour
15934990	1,000 mm	transparent
15935990	2,000 mm	transparent
Beam angle 60°		

Article no.	Customization
75934990	Covers 100 mm
75992000	Customization of the cove

100 mm segments

See ordering details for customization on pp. 60-61

Two-fold mounting kit

00

Material: aluminium

Article no.	Colour
15938000	aluminium

2 end caps (left + right)



Material: plastic

Article no.	Colour
15947000	silver

Connecting piece



Aluminium element (length 50 mm) for connecting two aluminium profiles (Ø 4.5 mm)

Article no.	Colour
15948000	aluminium

L connecting piece



Aluminium element for corner connection of two aluminium profiles, incl. 2 connecting pieces

Article no. Colour
15949000 silver

15951... / 15952... Aluminium profile



Delivery without flexible strip

Compatibility of the profiles and strips see pages 492-493.



Article no.	Length	Colour	
15951260	1,000 mm	silver	
15952260	2,000 mm	silver	

Finished lengths

Customization

Article no.	Customization
75951260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 520-521

Accessories

Covers

Finished lengths

Customization



Article no.	Length	Colour
15934070	1,000 mm	opal
15935070	2,000 mm	opal

Profile covers: Plastic (PMMA), UV stabilized, cover installation by 'slide'

Article no.	Customization
75934070	Covers 100 mm
75992000	Customization of the cover





Article no.	Length	Colour
15934000	1,000 mm	satined
15935000	2,000 mm	satined

Article no.	Customization
75934000	Covers 100 mm
75992000	Customization of the cove



Article no.	Length	Colour	
15934990	1,000 mm	transparent	
15935990	2,000 mm	transparent	
Beam angle 60°			

Article no. Customization

75934990 Covers 100 mm

75992000 Customization of the cover

100 mm segments

See ordering details for customization on pp. 520-521

Connecting piece



Aluminium element (length 50 mm) for connecting two aluminium profiles (Ø 4.5 mm)

Article no.	Colour
15948000	aluminium

2 end caps





Material: plastic

Article no.	Colour
15957000	silver

Two-fold mounting kit



Material: aluminium

Article no.	Colour	
15938000	aluminium	

L connecting piece



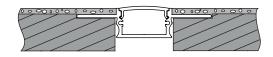
Aluminium element for corner connection of two aluminium profiles, incl. 2 connecting pieces

Article no.	Colour	
15933000	silver	

15071260 / 15072260

Aluminium profile





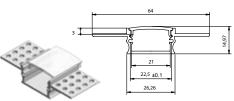
Specification

LED flush profile incl. opal cover (UV stabilized) for an elegant and seamless integration into walls, ceilings or coves. Incl. two fitting aluminium pieces with mounting screws.

The compatibility of the profiles and strips see pages 492-493.

Finished lengths

Article no.	Length	Colour	
15071260	1,000 mm	alu matt / opal	
15072260	2.000 mm	alu matt / opal	



Customization

Article no.	Customization
75071260	Aluminium profile 100 mm
75991000	Customization of the aluminium profile

100 mm segments

See ordering details for customization on pp. 60-61

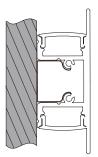
Accessories

Accessory kit

consists of: 2 x end cap

Article no. 15733000





15408... Aluminium profile



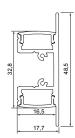
Specification

Wall installation profile for mounting 2 LED circuit boards. Includes two polycarbonate profile covers (UV stabilised) in opal. The compatibility of the profiles and strips see pages 492-493.

Finished lengths

Article no.	Länge	Farbe
15408260	3,000 mm	silver
15408070	3,000 mm	white





Accessories

0000





Profile end piece

Aluminium Profilendstück inkl. Montagezubehör

Article no.

15409260 silver with cable-hole 15409070 white with cable-hole

Article no.

15410260 silver w/o cable-hole 15410070 white w/o cable-hole

Profile fastening spring

Article no.

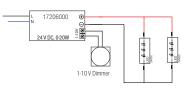
15411000



17206000

LED driver







Specification

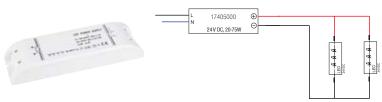
Primary voltage: 100-120 V AC/DC/ 220-240 V AC, frequency: 50-60 Hz, ambient temperature (T₂): -25°C to +50°C, measuring point (T₂): max. 80°C, dimensions [LxWxH]: 145 x 55 x 19 mm, material: plastic

Article no. Secondary voltage Output 17206000 24V DC 1-20 W

with strain relief 1-10 V dimmable (analogue) Dimming range 1-100%

17405000

LED driver





Specification

Primary voltage: 200 - 240V AC, frequency: 50-60 Hz, ambient temperature (T_a): -20°C to +45°C, measuring point (T_a): max. 80°C, dimensions [LxWxH] 200 x 63 x 30 mm, material: plastic

Article no. Secondary voltage Output 17405000 24 V DC 20-75 W

with strain relief not dimmable



17208000 / 17209000 / 17210000















Specification

Primary voltage: 90 - 305 V AC / 47-63 Hz // 127 - 431 V DC, secondary voltage: 24 V, electrical feeding (in / out): 300/300 mm ambient temperature (T_a): -40° C to +50° C, measuring point (T_c): max 95° C, material: aluminium

not dimmable

Article no.	Output	Dimensions [LxWxH]
17208000	50-100 W	220 x 68 x 39 mm
17209000	75-150 W	228 x 68 x 39 mm
17210000	120-240 W	244 x 68 x 39 mm

17220000 REG LED driver













Specification

Primary voltage: 85 - 264 V AC / 47 - 63 Hz // 120 - 370 V DC ambient temperature (T_{ν}): -10° C - +40° C, dimensions (Lx Wx H): 125.5 x 125.2 x 100 mm (7 division units), material: aluminium

not dimmable

Article no. Secondary voltage		Output
17220000	24 V DC	120 - 240 W

17221000 REG LED driver













Specification

Primary voltage: 180 - 264 V AC / 47 - 63 Hz // 250 - 270 V DC ambient temperature (T_a):- 20° C - +50° C,

dimensions [L x W x H]: 2 27 x 125.2 x 100 mm (13 division units), material: aluminium

not dimmable

Article no.	Secondary voltage	Output
17221000	24 V DC	240 - 480 W

18151000 / 18152000 / 18153000 / 18154000

4 channel LED dimmer





Specification

LED dimmer series for constant voltage operation over 4 channels (single- or multi-coloured). Wiring takes takes place without screws via plug-in terminals.

It requires an external power supply to operate, material: plastic, cable cross-section: 0.5 - 2.5 mm², output signal (dimming): Pulse width modulation, ambient temperature (T_a) : 0° C - +50° C, casing temperature (T_c) : 75° C, reverse polarity protection: yes, heat protection: yes

Article no.	Control signal	Number of channels	Max. output current	Voltage range	Max. output rating	Dimensions [LxWxH]
18151000	"KNX" system requirement: min. ETS 3.0F or higher. Software download at www.brumberg.com	1 - 4	4 x 5 A	12 - 24 V DC	4x 60 W (12 V DC) 4x 120 W (24 V DC)	170 x 54 x 30 mm
18152000	Dali	1 - 4	4 x 5 A	12 - 36 V DC	4x 60 W (12 V DC) 4x 120 W (24 V DC)	170 x 54 x 30 mm
18153000	DMX	1 - 4	4 x 5 A	12 - 36 V DC	4x 60 W (12 V DC) 4x 120 W (24 V DC)	170 x 54 x 30 mm
18154000	1-10 V	1 - 4	4 x 5 A	12 - 36 V DC	4x 60 W (12 V DC) 4x 120 W (24 V DC)	170 x 54 x 30 mm

18161000 /18162000 /18163000 / 18164000

4 channel REG LED dimmer











Specification

The REG LED dimmer series for constant voltage operation of 4 channels (single- or multi-coloured) is suitable for installing on hat rails in the control and distributor cabinet. Wiring takes place without screws via plug-in terminals (Dali, DMX, 1-10 V) or with a KNX device via screw terminals.

To operate this device an external power source is required. Material: plastic, cable cross-section: 0.5-2.5 mm², output signal (dimming): Pulse width modulation, ambient temperature (T_a): 0°C - +50°C, ambient temperature (T_c): 75°C, reverse polarity protection: yes, heat protection: yes

Article no.	Control signal	Number of channels	Max. output current	Voltage range	Max. output rating	Dimensions [LxWxH]
18161000	"KNX" system requirement: min. ETS 3.0F or higher. Software download at www.brumberg.com	1 - 4	4 x 5 A	12 - 24 V DC	4x60W (12V DC) 4x120W (24V DC)	72 x 90 x 70mm 4 TE
18162000	Dali	1 - 4	4 x 5 A	12 - 36 V DC	4x60W (12V DC) 4x120W (24V DC)	54 x 110 x 66mm 3 TE
18163000	DMX	1 - 4	4 x 5 A	12 - 36 V DC	4x60W (12V DC) 4x120W (24V DC)	54 x 110 x 66mm 3 TE
18164000	1-10 V	1 - 4	4 x 5 A	12 - 36 V DC	4x60W (12V DC) 4x120W (24V DC)	54 x 110 x 66mm 3 TE

18187000 / 17505000 / 17508000 Controller incl. remote control











Note:

May be controlled with a remote control up to 4 switching groups (1 controller per switching group)



Article no.



Specification RGB

Voltage: 12-24 V DC, current: max. 6 A per channel, power: max. 216 W / 432 W (12 V DC / 24 V DC), energisation: negative (shared anode), 4-core wire, radio frequency: 2.4 GHz, range: \sim 30 m, adjustable dimming range: 5-100 %, controller connection through screw terminals, controller dimensions (L x W x H): 85 x 45 x 23 mm, radio remote control dimensions (L x W x H): 120 x 52 x 20 mm, radio remote control battery: 3 V DC / 2x AAA (not included in delivery)

Article no. Specification

18187000 RGB Set (RGB controller incl. remote control)

18188000 RGB controller (individual components)

18189000 RGB radio remote control (individual components)

This purely RGB radio control creates 3 PWM control signals for controlling the colour of RGB LED modules.

The following functions can be accessed via the touch remote control:

- Intuitive colour adjustment via the colour selection wheel.
- Selection of 9 colour changing programmes.
- Brightness adjustment of static colours through the touch field.
- Speed adjustment of colour change in the running programme.
- Up to 4 switch groups via remote control (multi-room operation).
- Separate on and off switch of all 4-switch groups of the lighting unit.
- Synchronisation of all 4-switch groups via a long push of the button.

Specification TunableWhite

Voltage: 12-24 V DC, current: max. 6 A per channel, power: max. 144 W / 288 W (12 V DC / 24V DC), energisation: negative (shared anode), 3-core wire, radio frequency: 2,4 GHz, range: $\sim\!30\,\text{m}$, adjustable dimming range: 5-100 %, controller connection through screw terminals, controller dimensions (L x W x H): 85 x 45 x 23 mm, radio remote control dimensions (L x W x H): 110 x 52 x 20 mm, battery for radio remote control. 3 V DC / 2x AAA (not included in delivery)

17505000 TunableWhite set (2 channel controller incl. remote control)

17506000 TunableWhite controller (individual components)

17507000 White light radio remote control (individual components)

Specification

This purely white light radio control produces 2 PWM control signals for controlling bi-colour LED modules in the white light range.

The following functions are possible via remote operation:

- Variable adjustment of the colour temperature through +/- buttons.
- Brightness adjustment through +/- buttons.
- Up to 4 switch groups via remote control (multi-room operation).
- Separate on and off switch of all 4-switch groups of the lighting unit.

Specification, 1 channel

Voltage: 12-24 V DC, current: max. $2 \times 6 A$, output: max. 144 W / 288 W (12 V DC / 24 V DC), radio frequency 2.4 GHz, range: up to 30 m, controller connection through screw terminals, controller dimensions (L x W x H): 85 + 45 + 23 mm. Radio remote control dimensions (L x W x H): 110 + 52 + 20 mm, battery for radio remote control: $3 \text{ V DC} / 2 \times \text{AAA}$ (not included in delivery)

Article no.	Specification
17508000	White light set (1 channel controller incl. remote control)
17509000	1 channel controller (individual components)
17507000	White light radio remote control (individual components)

This 1 channel radio control produces 1 PWM control signal for controlling a single-colour LED module in the white light range.

15724000

Feed-in for 15201...





15725000

Feed-in for 15203...





Specification

Feed-in only to be used for 15201..., max. 3A, incl. connector cable approx. 150 mm.

Article no.	Number of pole		
15724000	2		

Specification

Feed-in only to be used for 15203..., max. 3A, incl. connector cable approx. 150 mm.

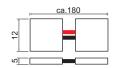
Article no.	Number of poles
15725000	2

15727000

Connector



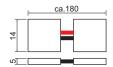




15728000

Connector





Specification

Connecting element only to be used for 15201..., max. 3 A, incl. connection cable approx. 150 mm.

Article no.	Number of poles
15727000	2

Specification

Connecting element only to be used for 15203..., max. 3 A, incl. connector cable approx. 150 mm.

Article no.	Number of poles
15728000	2

15730000

Direct connector







15731000

Direct connector







Specification

Direct connector only to be used for 15201..., max. 3 A.

Article no.	Number of poles
15730000	2

Specification

Direct connector only to be used for 15203..., max. 3 A.

Article no.	Number of poles
15731000	2

15726000

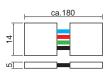
Feed-in for 15203001

15729000 2000 15729000

Connector for 15203001









Specification

Feed-in only to be used for 15203001, max. 3 A, incl. connector cable approx. 150 mm.

Article no.	Number of poles
15726000	4 (RGB)

Specification

Connecting element only to be used for 15203001, max. 3 A, incl. connector cable approx. 150 mm.

Article no.	Number of poles
15729000	4 (RGR)

15732000

Direct connector for RGB conductor strips







Specification

Direct connector to be used for flexible LED RGB conductor strip 15203001, $\mbox{max.}~3~\mbox{A}.$

Article no.	Number of poles
15732000	4 (RGR)





15720000 Silicon end cap set, 12 mm



15721000 Silicon end cap set, 14 mm



Specification

Silicon end caps for flexible conductor strips IP67, incl. a tube of silicon for sealing. Compatible with conductor strip 15271... and 15272... Width 12 mm.

Article no.

15720000

Specification

Silicon end caps for flexible conductor strips IP67, incl. a tube of silicon for sealing. Compatible with conductor strip 15273... (not suitable for RGB). Width: 14 mm

Article no.

15721000

CUSTOMIZATION SERVICE

Customization of LED flex strips and aluminium and plastic profiles





Customization of LED flexible strips

We divided the full length of our QualityFlex® strips into the smallest divisible unit. According to the length you need, you have to order a multiple of this minimum unit.

ATTENTION:

Every customized length must be ordered as an individual item. The maximum allowable special length (art.-no.: 75...) = total length of the appropriate roll product (art.-no.: 15...).

SAMPLE ORDER FOR QUALITYFLEX® STRIP WITH IPOO:

Roll product art.-no. 15201027 (IP00, total length 5000 mm); minimum unit = 100 mm = art.-no. 75201027

You need a length from this QualityFlex® strip of 3,600 mm.

Your order has to consist of:

36 x art.-no. 75201003 = QualityFlex $^{\circ}$ strip, length 3,600 mm 1 x art.-no. 75998000 = customization with protection class IP00, incl. connector cable at one end (soldered, length 300 mm)

SAMPLE ORDER FOR QUALITYFLEX®STRIP WITH IP62 OR IP67:

Roll product art.-no. 15223003 (IP62, total length 5,000 mm); minimum unit = 100 mm = art.-no. 75223003

You need a length from this QualityFlex® strip of 2,100 mm.

Your order has to consist of:

21 x art.-no. 75223003 = QualityFlex strip 2,100 mm long 1 x art.-no. 75999000 = customization for increased protection rating, incl. connector cable at one end (soldered, length 300 mm)





We offer our QualityFlex® aluminium profiles and corresponding plastic cover profiles in standard lengths of 1,000 mm and 2,000 mm. According to the customized length you need, you have to order a multiple of the minimum unit of 100 mm.

ATTENTION:

Every customized profile must be ordered as an individual item. Please inquire about special lengths longer than 2,000 mm.

SAMPLE ORDER FOR QUALITYFLEX® ALUMINIUM PROFILE

You need aluminium profile (art.no. 15951260) and the corresponding plastic profile (art.no. 15934990) customized to 700 mm length. Please order the following:

7 x art.-no. 75951260 = aluminium profile being 700 mm long 1 x art.-no. 75991000 = customization aluminium profiles



7 x art.-no. 75934990 = plastic cover profile, 700 mm long 1 x art.-no. 75992000 = customization plastic cover

Customization versions

75998000 = customization for the connector cable for protection class IP00

75999000 = customization for the connector cable with increased protection rating

75991000 = customization aluminium profiles 75992000 = customization plastic cover

For any questions, please contact our sales team.







tracklights

526

accessories tracklight

534

recessed luminaires

538











Power LED: 24.3 W, System power: 27 W

88354... bis 88355... ModulMax® LED-Power-track spotlights 27W

Article-No. white	Article-No. black	Article-No. silver	Colour temperature	beam angle	Beam patterns	Flux	System efficiency
88347073	88347083	88347683	2700 K	12°	Spot (SP)	3052 lm	113 lm/W
88348073	88348083	88348683	2700 K	24°	Medium Flood (MF)	3052 lm	113 lm/W
88349073	88349083	88349683	2700 K	36°	Flood (FL)	3052 lm	113 lm/W
88350073	88350083	88350683	2700 K	60°	Wide Flood (WFL)	3052 lm	113 lm/W
88343073	88343083	88343683	3000 K	12°	Spot (SP)	3193 lm	118 lm/W
88344073	88344083	88344683	3000 K	24°	Medium Flood (MF)	3193 lm	118 lm/W
88345073	88345083	88345683	3000 K	36°	Flood (FL)	3193 lm	118 lm/W
88346073	88346083	88346683	3000 K	60°	Wide Flood (WFL)	3193 lm	118 lm/W
88351073	88351083	88351683	3000 K BBL*	12°	Spot (SP)	3125 lm	116 lm/W
88352073	88352083	88352683	3000 K BBL*	24°	Medium Flood (MF)	3125 lm	116 lm/W
88354073	88354083	88354683	3000 K BBL*	36°	Flood (FL)	3125 lm	116 lm/W
88355073	88355083	88355683	3000 K BBL*	60°	Wide Flood (WFL)	3125 lm	116 lm/W
88347074	88347084	88347684	3500 K	12°	Spot (SP)	3286 lm	122 lm/W
88348074	88348084	88348684	3500 K	24°	Medium Flood (MF)	3286 lm	122 lm/W
88349074	88349084	88349684	3500 K	36°	Flood (FL)	3286 lm	122 lm/W
88350074	88350084	88350684	3500 K	60°	Wide Flood (WFL)	3286 lm	122 lm/W
88343074	88343084	88343684	4000 K	12°	Spot (SP)	3347 lm	124 lm/W
88344074	88344084	88344684	4000 K	24°	Medium Flood (MF)	3347 lm	124 lm/W
88345074	88345084	88345684	4000 K	36°	Flood (FL)	3347 lm	124 lm/W
88346074	88346084	88346684	4000 K	60°	Wide Flood (WFL)	3347 lm	124 lm/W

*BBL= Below Black Body Locus

8817... / 8891... / 8894... ModulMax® LED-Tracklight accessories



Article-No.	Description	
88170027	Light Engine 2700K	for ModulMax®
88170003	Light Engine 3000 K	for ModulMax®
88170031	Light Engine 3000 K BBL*	for ModulMax®
88170035	Light Engine 3500K	for ModulMax®
88170004	Light Engine 4000 K	for ModulMax®
88171001	Reflector 12°	for ModulMax®
88171002	Reflector 24°	for ModulMax®
88171003	Reflector 36°	for ModulMax®
88171006	Reflector 60°	for ModulMax®
88910006	Glass Food Red ModulMax®	Foodfilter: for bakery products, red fruit and vegetables, mediterranean cheese- and pasta products
88910007	Glass Food Green ModulMax®	Foodfilter: for green fruit and vegetables
88910008	Glass Food Blue ModulMax®	Foodfilter: for fish
88910009	Glass Food Yellow ModulMax®	Foodfilter: for yellow fruit and vegetables
88910002	Glass Food Pink ModulMax®	Foodfilter: for meat, charateric and for red fish (in exceptions)
88947000	Driver 700mA	for ModulMax®
88948000	Driver 1050mA	for ModulMax®

As complementation (glasses) or for modification of ModulMax® track-lights on-site.



Power LED: 37.5 W, System power: 40 W

88356... bis 88367...

ModulMax® LED-Power-track spotlights 40 W



Article-No. white	Article-No. black	Article-No. silver	Colour temperature	Beam angle	Beam patterns	Flux	System efficiency
88360073	88360083	88360683	2700 K	12°	Spot (SP)	4189 lm	105 lm/W
88361073	88361083	88361683	2700 K	24°	Medium Flood (MF)	4189 lm	105 lm/W
88362073	88362083	88362683	2700 K	36°	Flood (FL)	4189 lm	105 lm/W
88363073	88363083	88363683	2700 K	60°	Wide Flood (WFL)	4189 lm	105 lm/W
88356073	88356083	88356683	3000 K	12°	Spot (SP)	4382 lm	110 lm/W
88357073	88357083	88357683	3000 K	24°	Medium Flood (MF)	4382 lm	110 lm/W
88358073	88358083	88358683	3000 K	36°	Flood (FL)	4382 lm	110 lm/W
88359073	88359083	88359683	3000 K	60°	Wide Flood (WFL)	4382 lm	110 lm/W
88364073	88364083	88364683	3000 K BBL*	12°	Spot (SP)	4289 lm	107 lm/W
88365073	88365083	88365683	3000 K BBL*	24°	Medium Flood (MF)	4289 lm	107 lm/W
88366073	88366083	88366683	3000 K BBL*	36°	Flood (FL)	4289 lm	107 lm/W
88367073	88367083	88367683	3000 K BBL*	60°	Wide Flood (WFL)	4289 lm	107 lm/W
88360074	88360084	88360684	3500 K	12°	Spot (SP)	4510 lm	113 lm/W
88361074	88361084	88361684	3500 K	24°	Medium Flood (MF)	4510 lm	113 lm/W
88362074	88362084	88362684	3500 K	36°	Flood (FL)	4510 lm	113 lm/W
88363074	88363084	88363684	3500 K	60°	Wide Flood (WFL)	4510 lm	113 lm/W
88356074	88356084	88356684	4000 K	12°	Spot (SP)	4594 lm	115 lm/W
88357074	88357084	88357684	4000 K	24°	Medium Flood (MF)	4594 lm	115 lm/W
88358074	88358084	88358684	4000 K	36°	Flood (FL)	4594 lm	115 lm/W
88359074	88359084	88359684	4000 K	60°	Wide Flood (WFL)	4594 lm	115 lm/W

*BBL= Below Black Body Locus

8817... / 8891... / 8894... ModulMax® accessories



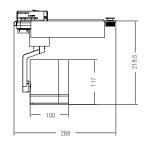
Article-No.	Description	
88170027	Light Engine 2700K	for ModulMax®
88170003	Light Engine 3000 K	for ModulMax®
88170031	Light Engine 3000 K BBL*	for ModulMax®
88170035	Light Engine 3500K	for ModulMax®
88170004	Light Engine 4000 K	for ModulMax®
88171001	Reflector 12°	for ModulMax®
88171002	Reflector 24°	for ModulMax®
88171003	Reflector 36°	for ModulMax®
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88910002	Glass Food Pink ModulMax®	Foodfilter: for meat, charateric and for red fish (in exceptions
88947000	driver 700mA	for ModulMax®
88948000	driver 1050mA	for ModulMax®

As complementation (glasses) or for modification of ModulMax $^{\!\otimes}$ track-lights on-site.

88373...

LED-Power-track spotlights





Artikel-No.

88373173 textured white



Beam patterns

Flood (FL)

Specification

Incl. light source: 1 x LED COB, powerLED: 30, power of system: 35 W, heat dissipation: passive (without fan),

material: aluminium / clear glass / plastic, rotation angle: twistable / swiveling, dimensions lamp: Ø 100 mm x 245 mm, flux: 2443 lm, CRI > 80, weight: 1400g.

Luminaire incl. adapter for standard 3-phase track, not dimmable.

88373183	textured black	3000 K		36°	Flood (FL)
88373683	textured silver	3000 K		36°	Flood (FL)
88373174	textured white	4000 K	•	36°	Flood (FL)
88373184	textured black	4000 K	•	36°	Flood (FL)
88373684	textured silver	4000 K	•	36°	Flood (FL)

Beam angle

36°

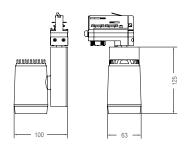
Colour of cabinet Colour temperature

3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.





12013... LED-Power-track spotlights



Specification

Incl. light source: 1x LED, power: 12 W, material: aluminium / plastic, colour rendering: CRI>80

LED-flux: 840 lm, heat conduction: passive (without fan), weight: $500\,\mathrm{g}$

Luminaire incl. adapter for standard 3-phase track., not dimmable.

Incl. driver

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temp	erature	Beam angle	Beam patterns	
12013073	white	3000 K		38°	Flood (FL)	
12013083	black	3000 K		38°	Flood (FL)	



230 V AC 180° 180° 270° 280 W AC 180° 180°

LED-Power-track spotlights



Specification

Incl. light source: 1x LED, power: 12 W, material: aluminium / plastic, colour rendering:

LED-flux: 840 lm, heat conduction: passive (without fan), weight: 650 g

Luminaire incl. adapter for standard 3-phase track, not dimmable.

Incl. driver

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour ter	mperature	Beam angle	Beam patterns
2019073	white	3000 K	0	38°	Flood (FL)
2019083	black	3000 K		38°	Flood (FL)
				0	

88311...

LED-Power-track spotlights







Specification

Incl. light source: LED, material: aluminium, power LED: 26 W, power of sytem: 29 W, LED-flux: 3300 Im (4000 Im), flux: 2901 Im (3000 K), 2937 Im (4000 K), heat conduction: passive (without fan).

Luminaire incl. adapter for standard 3-phase track.

Incl. operating device, not dimmable.

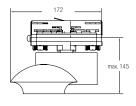
Energy efficiency class: A++ to A

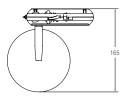
This luminaire contains incorporated and non-exchangeable LED light sources.



advice: silver version always with black shade.

Article-no.	Colour of cabinet	Colour temperatur	e	Colour rendering	Beam patterns
88311073	white	3000 K		CRI>80	28° (MF)
88311083	black	3000 K		CRI>80	28° (MF)
88311683	silver	3000 K		CRI>80	28° (MF)
88311074	white	4000 K		CRI>80	28° (MF)
88311084	black	4000 K		CRI>80	28° (MF)
88311684	silver	4000 K		CRI>80	28° (MF)



















88331... LED-Power-track spotlights



Specification

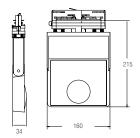
Incl. light source: LED, material: aluminium, power LED: 12 W, power of sytem: 15 W, LED-flux: 1700 lm (3000 lm), flux: 1403 lm (3000 K), 1444 lm (4000 K), heat conduction: passive (without fan).

Luminaire incl. adapter for standard 3-phase track.

Incl. operating device, not dimmable.

Energy efficiency class: A++ to A
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature	Colour rendering	Beam patterns
88331073	white	3000 K	CRI>80	32° (FL)
88331083	black	3000 K	CRI>80	32° (FL)
88331683	silver	3000 K	CRI>80	32° (FL)
88331074	white	4000 K	CRI>80	32° (FL)
88331084	black	4000 K	CRI>80	32° (FL)
88331684	silver	4000 K	CRI>80	32° (FL)



















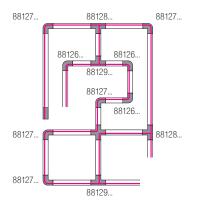
88101.../ 88102.../ 88103.../ 88104...





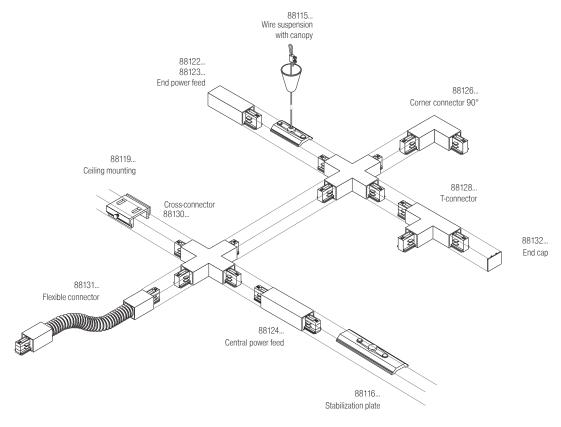






Article-no.	Length	Colour
88101070	1000 mm	white
88101080	1000 mm	black
88101250	1000 mm	alu anodized
88102070	2000 mm	white
88102080	2000 mm	black
88102250	2000 mm	alu anodized
88103070	3000 mm	white
88103080	3000 mm	black
88103250	3000 mm	alu anodized
88104070	4000 mm	white
88104080	4000 mm	black
88104250	4000 mm	alu anodized

1-phase DALI track on page



88115...

88114... Electrical connector





Article-no.	Colour
88114070	white
88114080	black
88114680	silver

Colour
white
black



Ceiling mounting, aluminium-untreated

Wire suspension with canopy



88119250

88124..

88116250 Stabilization plate, aluminium-untreated



Article-no.	Length
88116250	120mm

Article-no.

88119250





Central power feed

88125... Mechanical connector





Article-no.	Colour
88125070	white
88125080	black
00120000	DIGOIT

Article-no. Colour 88124070 white 88124080 black

silver



88123... End power feed, protective earth conductor left



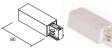


Article-no.	Colour
88123070	white
88123080	black
88123680	silver

88122...
End power feed, protective earth conductor right



88124680



88126...

Corner connectors 90°, protective earth conductor inside



Article-no.	Colour
88126070	white
88126080	black
88126680	silver

Corner connectors 90°, protective earth conductor outside





88129... T-connector, protective earth conductor left





Article-no.	Colour
88129070	white
88129080	black
88129680	silver

Article-no. Colour 88128070 white 88128080 black 88128680 silver

T-connector, protective earth conductor right



88130... Cross-connector





Article-no.	Colour
88130070	white
88130080	black
88130680	silver

88131070 white 88131080 black 88131680 silver

Flexible connector

88131...



Ingress protection for track

88132... End cap





Colour
white
black
silver

Article-no.	Colour	Length
88133070	white	1000 mm
88133080	black	1000 mm

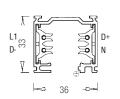


88133.

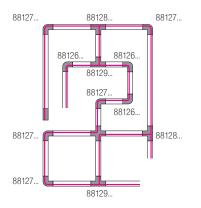
88161... / 88162... / 88163... / 88164...





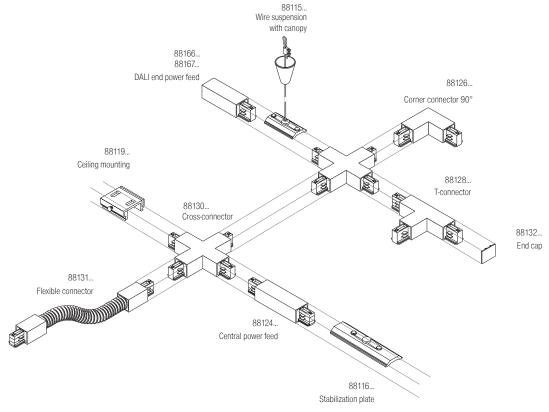






Article-no.	Length	Colour
88161070	1000 mm	white
88161080	1000 mm	black
88161250	1000 mm	alu anodized
88162070	2000 mm	white
88162080	2000 mm	black
88162250	2000 mm	alu anodized
88163070	3000 mm	white
88163080	3000 mm	black
88163250	3000 mm	alu anodized
88164070	4000 mm	white
88164080	4000 mm	black
88164250	4000 mm	alu anodized

suitable DALI-track lights on demond.



88115...

88114... Electrical connector



Article-no.	Colour
88114070	white
88114080	black
88114680	silver

lour
ite
ick



88116250 Stabilization plate, aluminium-untreated



Article-no.	Length
88116250	120mm

Article-no.	
88119250	



Ceiling mounting, aluminium-untreated



88124..

88119250

88125... Mechanical connector



Article-no.	Colour
88125070	white
88125080	black

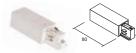
Article-no. Colour

88124070 white
88124080 black
88124680 silver



Central power feed

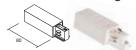
88167... DALI end power feed, protective earth conductor left



Article-no.	Colour
88167070	white
88167080	black
88167680	silver

DALI end power feed, protective earth conductor right





88126...

Corner connectors 90°, protective earth conductor inside



Article-no.	Colour
88126070	white
88126080	black
88126680	silver

Corner connectors 90°, protective earth conductor outside





88129...

T-connector, protective earth conductor left





Article-no.	Colour
88129070	white
88129080	black
88129680	silver

Article-no. Colour 88128070 white 88128080 black 88128680 silver

T-connector, protective earth conductor right



88130... Cross-connector





Article-no.	Colour
88130070	white
88130080	black
88130680	silver

Article-no.	Colour
88131070	white
88131080	black
88131680	silver

88131... Flexible connector



Ingress protection for track

88132... End cap





Article-no.	Colour
88132070	white
88132080	black
88132680	silver

Article-no.	Colour	Length
88133070	white	1000 mm
88133080	black	1000 mm



88115.



88643... bis 88655...

Power LED: 24.3 W, System power: 27 W

ModulMax® LED recessed pivotable spots 27W



Article-No. white	Article-No. black	Article-No. silver	Colour temperature	Beam angle	Beam patterns	Flux	System efficiency
88647073	88647083	88647683	2700 K	12°	Spot (SP)	3052 lm	113 lm/W
88648073	88648083	88648683	2700 K	24°	Medium Flood (MF)	3052 lm	113 lm/W
88649073	88649083	88649683	2700 K	36°	Flood (FL)	3052 lm	113 lm/W
88650073	88650083	88650683	2700 K	60°	Wide Flood (WFL)	3052 lm	113 lm/W
88643073	88643083	88643683	3000 K	12°	Spot (SP)	3193 lm	118 lm/W
88644073	88644083	88644683	3000 K	24°	Medium Flood (MF)	3193 lm	118 lm/W
88645073	88645083	88645683	3000 K	36°	Flood (FL)	3193 lm	118 lm/W
88646073	88646083	88646683	3000 K	60°	Wide Flood (WFL)	3193 lm	118 lm/W
88651073	88651083	88651683	3000 K BBL*	12°	Spot (SP)	3052 lm	116 lm/W
88652073	88652083	88652683	3000 K BBL*	24°	Medium Flood (MF)	3052 lm	116 lm/W
88654073	88654083	88654683	3000 K BBL*	36°	Flood (FL)	3052 lm	116 lm/W
88655073	88655083	88655683	3000 K BBL*	60°	Wide Flood (WFL)	3052 lm	116 lm/W
88647074	88647084	88647684	3500 K	12°	Spot (SP)	3286 lm	122 lm/W
88648074	88648084	88648684	3500 K	24°	Medium Flood (MF)	3286 lm	122 lm/W
88649074	88649084	88649684	3500 K	36°	Flood (FL)	3286 lm	122 lm/W
88650074	88650084	88650684	3500 K	60°	Wide Flood (WFL)	3286 lm	122 lm/W
88643074	88643084	88643684	4000 K	12°	Spot (SP)	3347 lm	124 lm/W
88644074	88644084	88644684	4000 K	24°	Medium Flood (MF)	3347 lm	124 lm/W
88645074	88645084	88645684	4000 K	36°	Flood (FL)	3347 lm	124 lm/W
88646074	88646084	88646684	4000 K	60°	Wide Flood (WFL)	3347 lm	124 lm/W

^{*}BBL= Below Black Body Locus

8817... / 8891... / 8894... ModulMax® accessories



Article-No.	Description	
88170027	Light Engine 2700K	for ModulMax®
88170003	Light Engine 3000 K	for ModulMax®
88170031	Light Engine 3000 K BBL	for ModulMax®
88170035	Light Engine 3500K	for ModulMax®
88170004	Light Engine 4000 K	for ModulMax®
88171001	Reflector 12°	for ModulMax®
88171002	Reflector 24°	for ModulMax®
88171003	Reflector 36°	for ModulMax®
88171006	Reflector 60°	for ModulMax®
88910006	Glass Food Red ModulMax®	Foodfilter: for bakery products, red fruit and vegetables, mediterranean cheese- and pasta products
88910007	Glas Food Green ModulMax®	Foodfilter: for green fruit and vegetables
88910008	Glass Food Blue ModulMax®	Foodfilter: for fish
88910009	Glass Food Yellow ModulMax®	Foodfilter: for yellow fruit and vegetables
88910002	Glass Food Pink ModulMax®	Foodfilter: for meat, charateric and for red fish (in exceptions)
88947000	Driver 700mA	for ModulMax®
88948000	Driver 1050mA	for ModulMax®

As complementation (glasses) or for modification of ModulMax ceilingspots on-site.



Power LED: 37.5 W, System power: 40 W

88656... bis 88667...

ModulMax® LED recessed pivotable spots 40 W



88660073 88660083 88660683 2700 K 12° Spot (SP) 4189 lm 105 lm/W 88661073 88661083 88661683 2700 K 24° Medium Flood (MF) 4189 lm 105 lm/W 88662073 88662083 88662683 2700 K 36° Flood (FL) 4189 lm 105 lm/W 88663073 88663083 88656683 2700 K 60° Wide Flood (WFL) 4189 lm 105 lm/W 8865073 88650083 88656683 3000 K 12° Spot (SP) 4382 lm 110 lm/W 8865073 88657083 88658683 3000 K 24° Medium Flood (MF) 4382 lm 110 lm/W 88659073 88659083 88659683 3000 K 60° Wide Flood (FL) 4382 lm 110 lm/W 88664073 88665083 886659683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88665073 88665083 88665683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 8866	Article-No. white	Article-No. black	Article-No. silver	Colour temperature	Beam angle	Beam patterns	Flux	System efficiency
88662073 88662083 88662683 2700 K 36° Flood (FL) 4189 lm 105 lm/W 88663073 88663083 88663683 2700 K 60° Wide Flood (WFL) 4189 lm 105 lm/W 8865073 88656083 88656683 3000 K 12° Spot (SP) 4382 lm 110 lm/W 88657073 88657083 88658683 3000 K 24° Medium Flood (MF) 4382 lm 110 lm/W 88658073 88658083 88658683 3000 K 36° Flood (FL) 4382 lm 110 lm/W 88659073 88659083 88659683 3000 K BBL* 12° Spot (SP) 4289 lm 110 lm/W 88665073 88664083 88664683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88666073 88665083 88665683 3000 K BBL* 24° Medium Flood (MF) 4289 lm 107 lm/W 88667073 88667083 88666683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88660074 88660084 88666684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88662074 88662084 88666684 3500 K </td <td>88660073</td> <td>88660083</td> <td>88660683</td> <td>2700 K</td> <td>12°</td> <td>Spot (SP)</td> <td>4189 lm</td> <td>105 lm/W</td>	88660073	88660083	88660683	2700 K	12°	Spot (SP)	4189 lm	105 lm/W
88663073 88663083 88663683 2700 K 60° Wide Flood (WFL) 4189 lm 105 lm/W 8865073 88656083 88656683 3000 K 12° Spot (SP) 4382 lm 110 lm/W 88657073 88657083 88657683 3000 K 24° Medium Flood (MF) 4382 lm 110 lm/W 88658073 88658083 88658683 3000 K 36° Flood (FL) 4382 lm 110 lm/W 88659073 88659083 88659683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88665073 88665083 88665683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88666073 88665083 88666683 3000 K BBL* 24° Medium Flood (MF) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W <td< td=""><td>88661073</td><td>88661083</td><td>88661683</td><td>2700 K</td><td>24°</td><td>Medium Flood (MF)</td><td>4189 lm</td><td>105 lm/W</td></td<>	88661073	88661083	88661683	2700 K	24°	Medium Flood (MF)	4189 lm	105 lm/W
88656073 88656083 88656683 3000 K 12° Spot (SP) 4382 Im 110 Im/W 88657073 88657083 88657683 3000 K 24° Medium Flood (MF) 4382 Im 110 Im/W 88658073 88658083 88658683 3000 K 36° Flood (FL) 4382 Im 110 Im/W 88659073 88659083 88659683 3000 K BBL* 12° Spot (SP) 4289 Im 107 Im/W 88664073 88665083 88665683 3000 K BBL* 24° Medium Flood (MF) 4289 Im 107 Im/W 88667073 88666083 88666683 3000 K BBL* 36° Flood (FL) 4289 Im 107 Im/W 88667073 88667083 88667683 3000 K BBL* 36° Flood (FL) 4289 Im 107 Im/W 88660074 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 Im 107 Im/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 Im 113 Im/W	88662073	88662083	88662683	2700 K	36°	Flood (FL)	4189 lm	105 lm/W
88657073 88657083 88657683 3000 K 24° Medium Flood (MF) 4382 lm 110 lm/W 88658073 88658083 88658683 3000 K 36° Flood (FL) 4382 lm 110 lm/W 88659073 88659083 88659683 3000 K 60° Wide Flood (WFL) 4382 lm 110 lm/W 88664073 88664083 88664683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88665073 88665083 88666683 3000 K BBL* 24° Medium Flood (MF) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 50° Wide Flood (WFL) 4289 lm 107 lm/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88662074 88662084 88663684 3500 K 36° Flood (FL) 4510	88663073	88663083	88663683	2700 K	60°	Wide Flood (WFL)	4189 lm	105 lm/W
88658073 88658083 88658683 3000 K 36° Flood (FL) 4382 lm 110 lm/W 88659073 88659083 88659683 3000 K 60° Wide Flood (WFL) 4382 lm 110 lm/W 88664073 88664083 88664683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88665073 88665083 88665683 3000 K BBL* 24° Medium Flood (MF) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 lm 107 lm/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88662074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 lm 113 lm/W 88656074 8865084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657684<	88656073	88656083	88656683	3000 K	12°	Spot (SP)	4382 lm	110 lm/W
88659073 88659083 88659683 3000 K 60° Wide Flood (WFL) 4382 Im 110 Im/W 88664073 88664083 88664683 3000 K BBL* 12° Spot (SP) 4289 Im 107 Im/W 88665073 88665083 88665683 3000 K BBL* 24° Medium Flood (MF) 4289 Im 107 Im/W 88667073 88666083 88666683 3000 K BBL* 36° Flood (FL) 4289 Im 107 Im/W 88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 Im 107 Im/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 Im 113 Im/W 88662074 88662084 88662684 3500 K 24° Medium Flood (MF) 4510 Im 113 Im/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 Im 113 Im/W 88656074 8865084 88656684 4000 K 12° Spot (SP) 4594 Im 115 Im/W 88657074 88657084 88657684 4000 K 24° Medium Fl	88657073	88657083	88657683	3000 K	24°	Medium Flood (MF)	4382 lm	110 lm/W
88664073 88664083 88664683 3000 K BBL* 12° Spot (SP) 4289 lm 107 lm/W 88665073 88665083 88665683 3000 K BBL* 24° Medium Flood (MF) 4289 lm 107 lm/W 88666073 88666083 88666683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 lm 107 lm/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88661074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 36° Flood (FL) 4510 lm 113 lm/W 88656074 8865084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 24° Medium Flood (88658073	88658083	88658683	3000 K	36°	Flood (FL)	4382 lm	110 lm/W
88665073 88665083 88665683 3000 K BBL* 24° Medium Flood (MF) 4289 lm 107 lm/W 88666073 88666083 88666683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 lm 107 lm/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88661074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 lm 113 lm/W 88662074 88662084 88662684 3500 K 36° Flood (FL) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 lm 113 lm/W 88656074 8865084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm<	88659073	88659083	88659683	3000 K	60°	Wide Flood (WFL)	4382 lm	110 lm/W
88666073 88666083 88666683 3000 K BBL* 36° Flood (FL) 4289 lm 107 lm/W 88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 lm 107 lm/W 88660074 88660084 88660084 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88661074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 lm 113 lm/W 88662074 88662084 88662684 3500 K 36° Flood (FL) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 lm 113 lm/W 88656074 8865084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657084 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm 115 lm/W	88664073	88664083	88664683	3000 K BBL*	12°	Spot (SP)	4289 lm	107 lm/W
88667073 88667083 88667683 3000 K BBL* 60° Wide Flood (WFL) 4289 lm 107 lm/W 88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88661074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 lm 113 lm/W 88662074 88662084 88662684 3500 K 36° Flood (FL) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 lm 113 lm/W 88656074 88656084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657084 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm 115 lm/W	88665073	88665083	88665683	3000 K BBL*	24°	Medium Flood (MF)	4289 lm	107 lm/W
88660074 88660084 88660684 3500 K 12° Spot (SP) 4510 lm 113 lm/W 88661074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 lm 113 lm/W 88662074 88662084 88662684 3500 K 36° Flood (FL) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 lm 113 lm/W 88656074 88656084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657084 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm 115 lm/W	88666073	88666083	88666683	3000 K BBL*	36°	Flood (FL)	4289 lm	107 lm/W
88661074 88661084 88661684 3500 K 24° Medium Flood (MF) 4510 Im 113 Im/W 88662074 88662084 88662684 3500 K 36° Flood (FL) 4510 Im 113 Im/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 Im 113 Im/W 88656074 88656084 88656684 4000 K 12° Spot (SP) 4594 Im 115 Im/W 88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 Im 115 Im/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 Im 115 Im/W	88667073	88667083	88667683	3000 K BBL*	60°	Wide Flood (WFL)	4289 lm	107 lm/W
88662074 88662084 88662684 3500 K 36° Flood (FL) 4510 lm 113 lm/W 88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 lm 113 lm/W 88656074 88656084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm 115 lm/W	88660074	88660084	88660684	3500 K	12°	Spot (SP)	4510 lm	113 lm/W
88663074 88663084 88663684 3500 K 60° Wide Flood (WFL) 4510 Im 113 Im/W 88656074 88656084 88656684 4000 K 12° Spot (SP) 4594 Im 115 Im/W 88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 Im 115 Im/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 Im 115 Im/W	88661074	88661084	88661684	3500 K	24°	Medium Flood (MF)	4510 lm	113 lm/W
88656074 88656084 88656684 4000 K 12° Spot (SP) 4594 lm 115 lm/W 88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm 115 lm/W	88662074	88662084	88662684	3500 K	36°	Flood (FL)	4510 lm	113 lm/W
88657074 88657084 88657684 4000 K 24° Medium Flood (MF) 4594 lm 115 lm/W 88658074 88658084 88658684 4000 K 36° Flood (FL) 4594 lm 115 lm/W	88663074	88663084	88663684	3500 K	60°	Wide Flood (WFL)	4510 lm	113 lm/W
88658074 88658084 88658684 4000 K	88656074	88656084	88656684	4000 K	12°	Spot (SP)	4594 lm	115 lm/W
	88657074	88657084	88657684	4000 K	24°	Medium Flood (MF)	4594 lm	115 lm/W
	88658074	88658084	88658684	4000 K	36°	Flood (FL)	4594 lm	115 lm/W
88659074 88659084 88659684 4000 K G0° Wide Flood (WFL) 4594 lm 115 lm/W	88659074	88659084	88659684	4000 K	60°	Wide Flood (WFL)	4594 lm	115 lm/W

^{*}BBL= Below Black Body Locus

8817... / 8891... / 8894... ModulMax® accessories

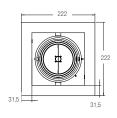


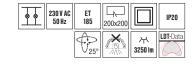
As complementation (glasses) or for modification of ModulMax ceiling-spots on-site.

88461173 / 88462173 / 88463173

Recessed cardanic LED-Spot







LED set, including driver

Incl. light source: 1 x LED, material: steel / aluminium, power LED: 31 W, power of system: 33 W, colour rendering: CRI>80

Incl. operating device apart, not dimmable.

Energy efficiency class: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88461173	textured white	1 x 31 W	3000 K	18° (SP)
88462173	textured white	1 x 31 W	3000 K	30° (MF)
88463173	textured white	1 x 31 W	3000 K	50° (WFL)

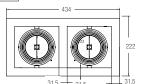
modular construction: further light colors and power outputs are available on demand



88464173 / 88465173 / 88466173

Recessed cardanic LED-Spot









LED set, including driver

Incl. light source: LED, material: steel / aluminium, power LED: $2\,x\,31\,W$, power of system: $2\,x\,33\,W$, colour rendering: CRI>80

Incl. operating device apart, not dimmable.

Energieeffizienzklasse: A++ bis A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Power	Colour temperature	Beam patterns
88464173	textured white	2 x 31 W	3000 K	18° (SP)
88465173	textured white	2 x 31 W	3000 K	30° (MF)
88466173	textured white	2 x 31 W	3000 K	50° (WFL)

modular construction: further light colors and power outputs are available on demand







fibre optics



LED starry sky kit

548

LED-RGB starry sky kit

552

starry sky kit halogen

554

exclusive kit LED











exclusive kit halogen

562

projectors

564

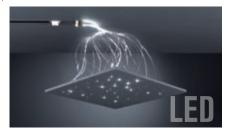
fibre / accessoires







LED starry sky kit





Specification

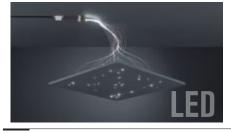
Consisting of:

- 1 x mini-projector 1 W Power-LED (diametre 26 x length 35 mm)
- 1 x fibre bundle: 50-pieces of mixed fibres
 - 10 x Ø 1,0 mm, length: 1,0 m 5 x Ø 1,5 mm, length: 1,0 m
- Incl. driver for Power-LED (length 52 x width 30 x height 23 mm) for 230 V connection
- Ceiling plate not included in delivery.
- without fan

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Light cold	our
9510W	white	0
9510B	blue	•
9510R	red	
9510Y	orange	•
9510G	green	

9513... LED starry sky kit





Specification

Consisting of:

- 1 x mini-projector 1 W Power-LED (diametre 26 x length 35 mm)
- 1 x fibre bundle made up of 33 pieces: 33 x Ø1,0 mm, length: 1,0 m
- Incl. driver for Power-LED (length $52\,x$ width $30\,x$ height $23\,mm$) for 230Vconnection
- Ceiling plate not included in delivery.
- without fan

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Light cold	Light colour		
9513W	white	0		
9513B	blue	•		
9513R	red	•		
9513Y	orange	•		
9513G	green	•		



9610... LED starry sky kit

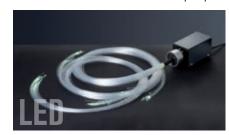












Specification

Consisting of:

1 x projector - LED-insert (3,6 W) (145 x 80 x 77 mm)

1 x fibre bundle made up of: 200 x Ø 1,0 mm;

lenghts: $50 \times 1,0 \text{ m}$, $50 \times 1,5 \text{ m}$, $50 \times 2,0 \text{ m}$, $50 \times 2,5 \text{ m}$

- Incl. 1500 mm connection.
- Incl. driver for 230 V connection
- without fan

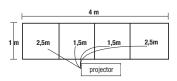
Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Light cold	our
9610W	white	0
9610B	blue	
9610R	red	
9610Y	orange	
9610G	areen	

LED starry sky kit







Specification

Consisting of:

- 1 x projector 20 W Power-LED (L290 x B105 x H105 mm),
- 1 x fibre bundle made up of 200 pieces: 100 x Ø 1,0 mm, length: 1,5 m 100 x Ø 1,0 mm, length: 3,0 m
- Incl. light source: LED, light colour: neutral white (4000 K)
- Incl. driver for 230V-connection
- Incl. 1500 mm connection.
- The set is suitable for an area of 4-5 m²
- without fan

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no. Light colour 48210004 neutral white

4821100... LED starry sky kit





Specification

Consisting of:

1 x projector - 1 x Power-LED (1,0 W) (180 x 65 x 35 mm)

1 x fibre bundle made up of 100 pieces: 30 x Ø 0,5 mm 40 x Ø 0,75 mm 20 x Ø 1,0 mm 10 x Ø 1,5 mm length: each 1,5 m

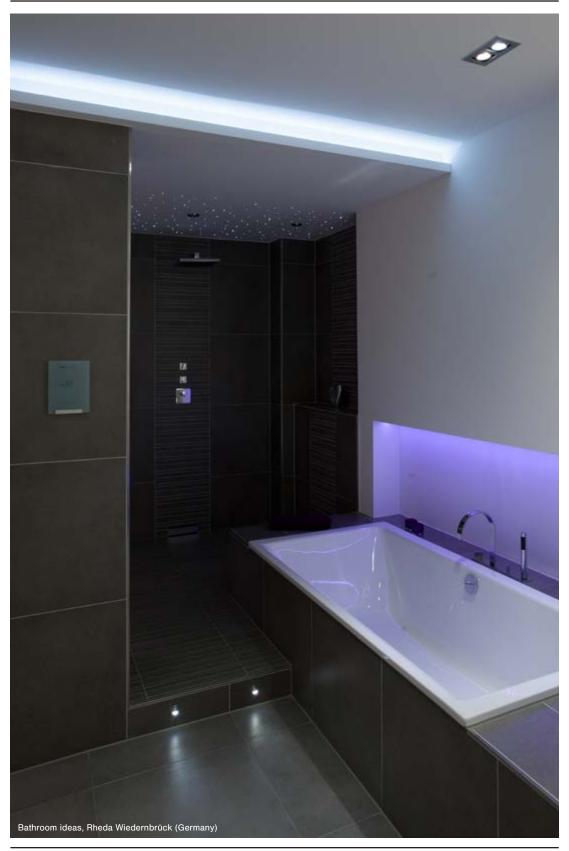
- without fan
- incl. 1500 mm connection

BRUMBERG

- incl. driver for 230 V-connection

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Light colou	ır
48211005	white	0
48211008	blue	•
48211006	red	•
48211009	orange	•
48211007	green	•



LED-RGB starry sky kit











Specification

Consisting of:

1 x projector - 13,8 W Power-LED (L270 mm x B155 mm x H100 mm)

1 x remote control

1 x fibre bundle made up of 200 pieces:

 $\begin{array}{lll} 50 \times \emptyset \ 1,0 \ mm, \ length = \ 1,0 \ m \\ 50 \times \emptyset \ 1,0 \ mm, \ length = \ 2,0 \ m \\ \end{array} \qquad \begin{array}{lll} 50 \times \emptyset \ 1,0 \ mm, \ length = \ 2,5 \ m \\ \end{array}$

- Incl. 1500 mm connection.

- Incl. driver for 230 V - connection.

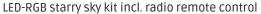
- without fan

Article-no. Light colour
48221001 RGB

LED color control with IR remote control with 6 buttons. Control of the color values of RGB LED, single color control red, green and blue or independent brightness control of the three colors. A color memory for the individual light color. Three fixed color sequences (2x soft / 1x abrupt transition) with color running through all colors of light. The rate of color sequences can be set. Master-slave operation with article-no. 9419RGB possible. Range of the IR control max.15m. Plug & Play = connections with plug-in system. incl. infrared remote control.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.



















Specification

Consisting of:

1 x projector - 1 x LED-RGB-Multi Color (1,0 W) (L180 x B65 x H35 mm), 1 x fibre bundle made up of 75 pieces:

75 x Ø 1,0 mm, length: 1,5 m

 $1\,x$ radio remote control 433,92 MHz, range ca. $5\,m$ line of sight, functions: on / off, program selection, selection of static colours, brightness adjustment

- without fan
- incl. 1500 mm connection
- incl. driver for 230 V-connection

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no. Light colour

48224001 RGB



48224001

LED-RGB starry sky kit incl. radio remote control

















Specification

Consisting of:

1 x projector - 1 x LED-RGB-Multi Color (1,0 W) (L180 x B65 x H35 mm),

1 x fibre bundle made up of 100 pieces: $30 \times \emptyset 0,5$ mm, $40 \times \emptyset 0,75$ mm $20 \times \emptyset 1,0$ mm, $10 \times \emptyset 1,5$ mm

length: each 1,5 m

 $1\,x$ radio remote control 433,92 MHz, range ca. $5\,m$ line of sight, functions: on / off, program selection, selection of static colours, brightness adjustment

- without fan
- incl. 1500 mm connection
- incl. driver fot 230V-connection

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no. Light colour

48224001 RGB



951400 starry sky kit













Specification

Consisting of:

1 x projector - 50 W Halogen (L270 x B155 x H100 mm)

1 x colour wheel coloured

1 x fibre bundle made up of 75 pieces:

25 x Ø1,0 mm, length: 1,5 m 50 x Ø1,0 mm, length: 3,0 m

- incl. 1500 mm connection

- incl. driver for 230 V-connection

- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.

951400

932000

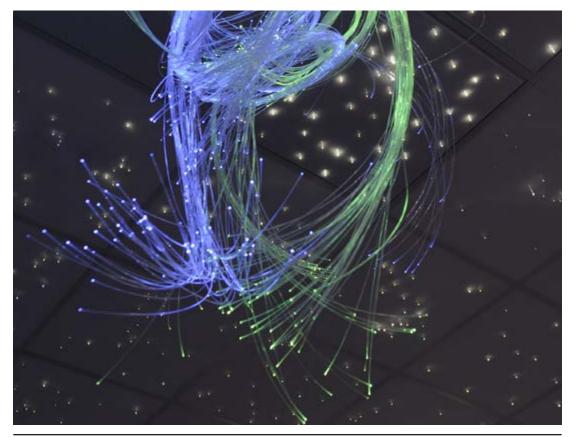




coloured sparks







950100 starry sky kit







Specification

Consisting of:

1 x Projector - 1 x Halogen (50 W) (L270 x B155 x H100 mm),

1 x fibre bundle made up of 75 pieces:

50 x Ø1,0 mm, Length= 1,5 m 100x Ø1,0 mm, Length= 2,5 m

50 x Ø1,0 mm, Length= 3,0 m

The set is suitable for an area of 2x2 m. The projector is placed aside..

- without ventilator
- incl. 1500 mm connection
- incl. driver for 230 V-connection
- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.

950100











950200

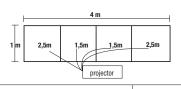
starry sky kit













Specification

Consisting of:

1 x Projector - 1 x Halogen (50 W) (L270 x B155 x H100 mm),

1 x fibre bundle made up of 75 pieces: 100 x Ø1,0 mm, length= 1,5 m 100 x Ø1,0 mm, length= 2,5 m

The set is suitable for an area of 4x1m. The projector is placed aside..

- without ventilator
- incl. 1500 mm connection
- incl. driver for 230 V-connection
- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.



Article-no.





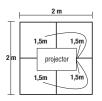






halogen-starry sky kit







Specification

Consisting of:

- 1 x Projector 1 x Halogen (50 W) (L270 x B155 x H100 mm),
- 1 x fibre bundle made up of 200 pieces: 200 x Ø 1,0 mm, length= 1,5 m

The set is suitable for an area of 2 x 2 m. The projector is placed centered.

- without ventilator
- incl. 1500 mm connection
- incl. driver for 230 V-connection
- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.

950300









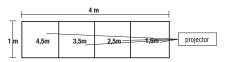




950400 halogen-starry sky kit







Specification

Consisting of:

- 1 x Projector 1 x Halogen (50 W) (L270 x B155 x H100 mm),
- 1 x fibre bundle made up of 200 pieces:

50 x Ø 1,0mm, Length= 1,5m $\,$ 50 x Ø 1,0 mm, Length= 2,5 m $\,$ 50 x Ø 1,0mm, Length= 3,5m 50 x Ø 1,0 mm, Length= 4,5 m

The set is suitable for an area of 4 x 1 m. The projector is placed aside..

- without ventilator
- incl. 1500 mm connection
- incl. driver for 230 V-connection
- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.





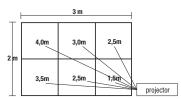






halogen-starry sky kit







Specification

Consisting of:

1 x Projector - 1 x Halogen (50 W) (L270 x B155 x H100 mm),

1 x fibre bundle made up of 300 pieces:

50 x Ø 1,0 mm, length= 1,5 m 100 x Ø 1,0 mm, length= 2,5 m 50 x Ø 1,0 mm, length= 3,0 m 50 x Ø 1,0 mm, length= 3,5 m

50 x Ø 1,0 mm, length= 4,0 m

The set is suitable for an area of 3 x 2 m. The projector is placed centered.

- without ventilator
- incl. 1500 mm connection
- incl. driver for 230 V-connection
- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.

951600













932300 blue / clear / sparks

951700

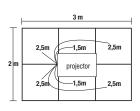














Specification

Consisting of:

1 x Projector - 1 x Halogen (50 W) (L270 x B155 x H100 mm),

1 x fibre bundle made up of 300 pieces: 100 x Ø 1,0 mm, length= 1,5 m 200 x Ø 1,0 mm, length= 2,5 m

The set is suitable for an area of 3 x 2 m. The projector is placed centered.

- without ventilator
- incl. 1500 mm connection
- incl. driver for 230 V-connection
- colour wheel at your option

For orders please add the article-no. of the requested colour wheel.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.







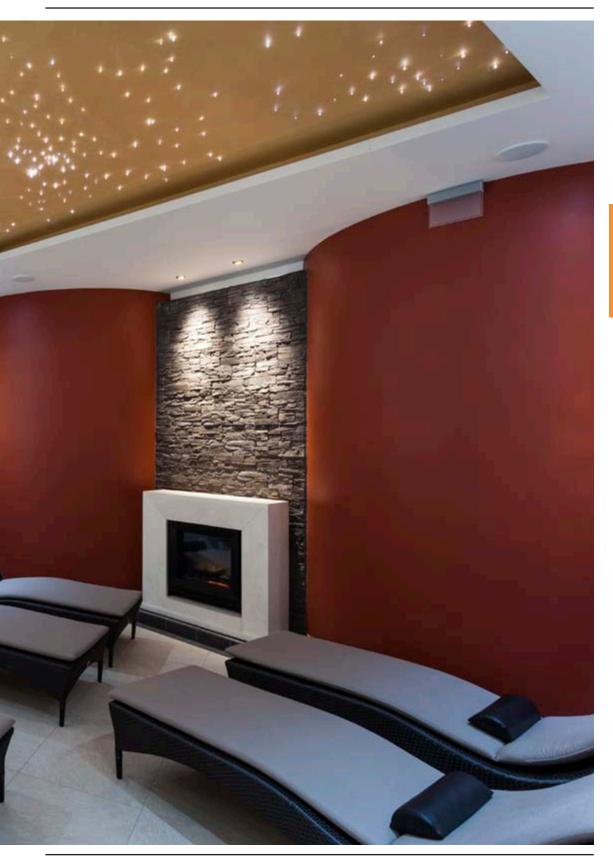












LED-fibre optics-exclusive-kit "Aqua-Dream"















Specification

Consisting of:

1 x projector - 20 W LED (L290 mm x B105 mm x H105 mm)

30 x light exit elements with glass ball (art.-no. 9730.xx): material: brass, outer diameter: 17,5 mm, installation height without glass ball: 1,5 mm, installation height with glassballl: 5 mm, installation depth with fibre S2:100mm, installation depth without fibre S2: 20 mm, drilling diameter: 10 mm, fastening: glueing.1 x fibre bundle made up of 30 pieces: 30 x Ø=2,0 mm, length= 2,0 m

- Incl. light source: LED, light colour: neutral white (4000 K)
- Incl. 1500 mm connection.
- Incl. driver for 230 V-connection.
- without fan.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	light exit elements	light colour
48212034	chrome satin	
48212054	gold	
48212154	nickel satin	

48213...

LED-fibre optics-exclusive-kit "Ambiente"

















Specification

Consisting of:

1 x projector - 20 W LED (L290 mm x B105 mm x H105 mm) 25 x light exit elements with glass ball (art.-no. 9730.xx) and 25 x light exit elements

with crystal (art.-no. 9731.xx), installation depth with fibre S2: 100 mm, fastening: glueing. 1x fibre bundle made up of 50 pieces: 25 x Ø 2,0 mm, length= 2,0 m 25 x Ø 2,0 mm, length= 3,0 m The set is suitable for an area of 2 - 3 m².

- Incl. light source: LED, light colour: neutral white (4000 K)
- Incl. 1500 mm connection.
- Incl. driver for 230 V-connection.
- without fan.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	light exit elements	light colour	
48213034	chrome satin		
48213054	gold		
48213154	nickel satin		

LED-fibre optics-exclusive-kit "Wellness"

















Specification

Consisting of:

1 x projector - 20 W LED (L290 mm x B105 mm x H105 mm)

10 x light exit elements with glass ball (art.-no. 9730.xx) and 10 x light exit elements

with crystal (art.-no. 9731.xx) and 30 x light exit elements with crystal (art.-no. 9731.xx), installation depth with fibre S2: 100 mm, fastening: glueing.

1 x fibre bundle made up of 150 pieces:

100 x Ø1,0 mm, length= 2,0 m $\,$ 50 x Ø2,0 mm, length= 3,0 m The set is suitable for an area of 3 - 4 m².

- Incl. light source: LED, light colour: neutral white (4000 $\rm K)$
- Incl. 1500 mm connection.
- Incl. driver for 230 V -connection.
- without fan.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	light exit elements	light colour
48214034	chrome satin	
48214054	gold	
48214154	nickel satin	



fibre optics-exclusive-kit "Aqua-Dream"



















Specification

Consisting of:

- 1 x projector 100 W Halogen (L270 mm x B155 mm x H100 mm)
- 1 x colour wheel (coloured sparks)
- 30 x light exit elements with glass ball (art.-no. 9730.xx): material: brass, outer diameter: 17,5 mm, installation height without glassball: 1,5 mm, installation height with glassball: 5mm, installation depth with fibre S2:100 mm, installation depth without fibre S2: 20 mm, drilling diameter: 10 mm, fastening: glueing.
- 1 x fibre bundle made up of 30 pieces:
- 30 x Ø 2,0 mm, length= 2,0 m

The set is suitable for an area of $1-2\,m^2$.

- Incl. 1500 mm connection.
- Incl. transformer for 230 V-connection.
- incl. heat proof and colour wheel motor

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	light exit elements	

9601.03	chrome satin
9601.05	gold
9601.15	nickel satin

9602.

fibre optics-exclusive-kit "Ambience"







932200 coloured sparks











Specification

Consisting of:

- 1 x projector 100 W Halogen (L270 mm x B155 mm x H100 mm)
- 1 x colour wheel (coloured sparks)
- $25\,x$ light exit elements with glass ball (art.-no. 9730.xx) and $25\,x$ light exit elements
- with crystal (art.-no. 9731.xx), installation depth with fibre S2: 100 mm, fastening: glueing.
- 1 x fibre bundle made up of 50 pieces:
 - 25×0.2 ,0 mm, length= 2.0 m 25×0.2 ,0 mm, length= 3.0 m

The set is suitable for an area of 2-3 m².

- Incl. 1500 mm connection.
- Incl. transformer for 230 V-connection.
- incl. heat proof and colour wheel motor

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	light exit elements
9602.03	chrome satin

9602.05 gold 9602.15 nickel satin













coloured sparks







Specification

Consisting of:

1 x projector - 100 W Halogen (L270 mm x B155 mm x H100 mm)

1 x colour wheel (coloured sparks)

 $10 \times \text{light exit elements with glass ball (art.-no. 9730.xx)}$ and $10 \times \text{light exit elements}$

with crystal (art.-no. 9733.xx) and 30 x light exit elements with crystal (art.-no. 9731.xx), installation depth with fibre S2: 100 mm, fastening: glueing.

1 x fibre bundle made up of 150 pieces:

100 x Ø 1,0 mm, length= 2,0 m 50x Ø 2,0 mm, length= 3,0 m

The set is suitable for an area of 3-4 m².

- Incl. 1500 mm connection.
- Incl. transformer for 230 V-connection.
- incl. heat proof and colour wheel motor

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	light exit elements
9603.03	chrome satin
9603.05	gold
9603.15	nickel satin



941000 | 941100

projector 50W halogen















Specification

Consisting of:

1 x projector - 50 W halogen (L270 mm x B155 mm x H100 mm), material: metal, housing colour: black

- Incl. lamp: QR-CB 51 (50 W), socket: GX 5.3, lamp voltage: 12 V
- Incl. 1500 mm connection.
- Incl. dimmable electronic transformer for 230 V-connection.
- *without colour wheel! Please order separately!

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Specification

270

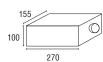
941000	without colour wheel motor
941100	incl. colour wheel motor*

replacement lamps on request

941400 | 941500 projector 100W halogen

















Specification

Consisting of:

1 x projector - 100 W halogen (L270 mm x B155 mm x H100 mm), material: metal, housing colour: black

- Incl. lamp: reflector MR16 / 100 Watt, socket: GZ6,35, lamp voltage: 12 V
- Incl. 1500 mm connection.
- Incl. dimmable electronic transformer for 230 V-connection.
- *without colour wheel! Please order separately!

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Specification
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941400	without colour wheel motor
941500	incl. colour wheel motor*

replacement lamps on request

48201084 projector 20 W LED

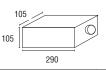














Specification

Consisting of:

1 x projector - 20 W LED (L290 mm x B105 mm x H105 mm) material: metal, housing colour: black

- Incl. lamp: LED, light colour: white (4000 K)
- Incl. 1500 mm connection.
- Incl. transformer for 230 V-connection.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no. light colour 48201084 4000K



9419W

projector 3,6W LED





Specification

Consisting of:

- 1 x projector 3,6 W LED (L145 mm x B80 mm x H70 mm) material: metallic housing, housing colour: black,
- Incl. lamp: 3 x LED (3x 1,2 W) white, (also available in other light colours)
- Incl. 1500 mm connection.
- Incl. transformer for 230 V-connection.
- without fan

Attention: the product is a 'special product'. The special product is not suited for household room lighting.

Article-no.	Colour temperature
Q/10W	6000 K ()

48202081

Master-projector 13,8W LED-RGB





Specification

Consisting of:

1 x projector - 13,8 W LED-RGB Multi Colour (L270 mm x B155 mm x H100 mm) material: metallic housing, housing colour: black,

1 x IR remote control for light colour and speed control

- Incl. 1500 mm connection
- Incl. driver for 230 V-connection
- without fan

This pure RGB radio control creats 3 PWM control signals fpr controlling the colour of RGB LED modules. Inuitive colour adjustment via the colour selection wheel. Selection of 9 colour change programmes. Brightness adjustment of static colours through the touch field. Speed adjustment of coulour change in the running programme. Up to 4 siwtch groups via remote control (multi-room operation). Seperate on and off switch of all 4-switch groups of the light unit. Synchronisation of all 4-switch groups via a long push of the button.

Attention: the product is a 'special product'. The special product is not suited for household room lighting.



932... colour wheels for projectors



Article-no. Version
932000 clear



Article-no. Version
932100 coloured



Article-no. Version
932200 coloured / spark



Article-no. Version
932300 blue / clear / sparks



932400 black / clear / sparks

900000 connector



We customize your individual fibre bundle! 900000 plus 910000 and / or 910200 and / or 910400.

910000 fibre (S0) Ø1,0 mm



Specification

bunching of fibre in connector It is for connecting the fibre to the projector. Incl. cutting, fixing and polishing.

Article-no.

900000

Specification

fibre: Ø 1,0 mm, active core: Ø 1,0 mm min. bending radius: 5,0 mm drilling diameter: Ø 1,1 mm

Article-no.

910000

910200 fibre (S2) Ø2,0mm



910400 fibre (S3) Ø3,0 mm



Specification

fibre: Ø 2,0 mm, active core: Ø 2,0 mm min. bending radius: 10,0 mm drilling diameter: Ø 2,2 mm

Article-no.

910200

Specification

fibre: Ø 3,0 mm, active core: Ø 3,0 mm min. bending radius: 15,0 mm drilling diameter: Ø 3,2 mm

Article-no.

910100 fibre (S1) 1,0 mm



910300 fibre (S2M) 2,0 mm



Specification

fibre: \emptyset 1,0 mm with protective tube, active core: \emptyset 1,0 mm total diameter: \emptyset 3,0 mm, min. bending radius: 10,0 mm drilling diameter: \emptyset 1,9 mm

Article-no.

910100

Specification

fibre: Ø 2,0 mm with protective tube, active core: Ø 2,0 mm total diameter: Ø 4,0 mm, min. bending radius: 15,0 mm drilling diameter: Ø 2,9 mm

Article-no.

910300

910500 fibre (S3M) 3,0 mm



910600 fibre (S19M) 5,0 mm



Specification

fibre: Ø 3,0 mm with protective tube, active core: Ø 3,0 mm total diameter: Ø 5,0 mm, min. bending radius: 20,0 mm drilling diameter: Ø 3,9 mm

Article-no.

910500

Specification

fibre: \emptyset 5,0 mm with protective tube, Consisting of: 19x \emptyset 1,0 mm, active core: \emptyset 5,0 mm, total diameter: \emptyset 8,0 mm, min. bending radius: 25,0 mm, drilling diameter: \emptyset 7,7 mm

Article-no.

910600

910700 fibre (S33M) 7,0 mm



910800 mixed fibre (S50M)



Specification

fibre: Ø 7,0 mm with protective tube, Consisting of: $33 \times Ø 1,0$ mm, active core: Ø 7,0 mm, total diameter: Ø 10,0 mm min. bending radius: 35,0 mm, drilling diameter: Ø 7,7 mm

Article-no.

910700

Specification

1 x fibre bundle made up of 50 pieces: 15×00.5 mm, 20×00.75 mm, 10×01.0 mm, 5×01.5 mm, total diameter: 010.0 mm, min. bending radius: 25.0 mm

Article-no.

Acryldome for SO

975400 Acryldome for S2









Specification

material: acrylic, outer diameter: Ø 5 mm, structural height: 4 mm, inst. depth without fibre: 20 mm, drilling diameter: Ø 3 mm-Ø 4 mm depending on material, mounting: glue

Article-no.	Colour
975100	transparent

Specification

material: acrylic, outer diameter: Ø 10 mm, structural height: 4 mm, inst. depth without fibre: 8 mm, inst. depth with fibre: 100 mm, drilling diameter: Ø 7 mm to Ø 8 mm depending on material, mounting: glue

Article-no.	Colour
975400	transparent

9760...

brass mounting sleeve for 975100

9761... brass mounting sleeve for 975400









Specification

material: brass, outer diameter: 9 mm, material thickness outer ring: 1 mm, installation depth without 975100: 8 mm, installation depth with 975100: 20 mm, drilling diameter: Ø 5 mm-Ø 5,5 mm depending on material, mounting: glue

Article-no.	Colour
9760.02	chrome
9760.05	gold

Specification

material: brass, outer diameter: Ø 14 mm, material thickness outer ring: 1 mm, installation depth with 975400: 9 mm, installation depth with 975400: 100 mm, drilling diameter: Ø 9 mm-Ø 10 mm depending on material, mounting: glue

Article-no.	Colour
9761.02	chrome
9761.05	gold

9730..

light exit element for fibre S2M and S33M

9729... light exit element for fibre S19M and S33M









Specification

material: brass, outer diameter: Ø 17,5 mm, height without glass ball: 1,5 mm, installation depth without fibre: 20 mm, installation depth with fibre: 100 mm, drilling diameter: Ø 10 mm, mounting: glue Article-no. Colour

9730.05 gold 9730.15 nickel satin 9730.03 chrome satin

Specification

material: brass, outer diameter: Ø 17,5 mm, material thickness outher ring: 1,5 mm, installation depth with fibre: 19 mm, installation depth with fibre: 100 mm, drilling diameter: Ø 10 mm, mounting: glue

Article-no.	Colour
9729.05	gold

9729.15 nickel satin 9729.03 chrome satin

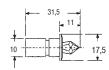
light exit element for fibre S2 and S2M

9731...

light exit element with crystal for fibre S2 to S33M









Specification

material: brass, outer diameter: Ø 17,5 mm, material thickness outher ring: 1,5 mm, installation depth without fibre: 20 mm, installation depth with fibre: 100 mm, drilling diameter: Ø 10 mm, mounting: glue

Article-no.	Colour
9728.05	gold
9728.15	nickel satin
9728.03	chrome satin

Specification

material: brass / crystal glass with facetting, outer diameter: Ø 17,5 mm, height without crystal: 1,5 mm, installation depth without fibre: 20 mm, installation depth with fibre: 100 mm, drilling diameter: Ø 10 mm, mounting: glue

Article-no.	Colour
9731.05	gold
9731.15	nickel satin
9731.03	chrome satin

light exit element with crystal for fibre S2 to S33M

mounting sleeve for 9728 to 9733





Specification

material: brass / crystal glass with facetting, outer diameter: Ø 17,5 mm, height without crystal: 1,5 mm, installation depth without fibre: 20 mm installation depth with fibre: 100 mm, drilling diameter:Ø 10 mm, mounting: glue

Article-no.	Colour
9733.05	gold
9733.15	nickel satin
9733.03	chrome satin

Specification

material: brass drilling diameter: Ø 12,7 - 13 mm depending on material length: approx. 30 mm

Article-no. 973500

48290000

Glue for mounting sleeves



90199 fibre-installation kit



Specification

1 x Weicon contact glue 12 g

Article-no. 48290000

Specification

Consisting of: 1 x cutting tool for fibre S0, S2 und S3

10x set with bits for fibre S0

1 x UHU wood glue

1 x UHU plus sofortfest, 2-component-glue

Article-no. 90199

Modern light technology

with PMMA-plastic-fibre

This creative lighting technology is composed of three different main components

- 1. the light source (230 V AC / 50 Hz)
 - Plug-in box for connection to a conventional 230 V socket
 - Halogen technology with colour wheels for special effects
 - LED technology with low energy consumption and high technical life span
 - a compact constuction
 - dimmable and controllable by different control technologies
 - colour control
- 2. the fibre
 - natural light transfer
 - High flexibility because of the small bending radius
 - maximum fibre quantity per projector 500 x S0 (Ø 1,0 mm); 150 x S2 (Ø 2,0 mm); 50 x S3 (Ø 3,0 mm); 25 x S19 (Ø 5,0 mm); 15 x S33 (Ø 7,0 mm)
 - The combination of different fibres is possible

- 3. the different sleeves and light exit elements
 - potential-free
 - light without temperature
 - without UV / IR radiation
 - simple assembling
 - A big choice of decoration elements and technical end fittings



The fibre combines amazing features

- It transmits the light over many metres (max. 20 m) in a constant light quality.
- · It carries no electricity, nor does it transmit ultraviolet or infrared radiation.
- In the wide spectrum of electromagnetic radiation, the human eye is able to make visible only a small part of 380 up to 780 nm.
- . Exactly this part is carried by the PMMA-fibre.
- . The light transfer is based on total reflection:



The fibre solely transfers light, which means: no voltage and no temperature.

This results from:

- . The electrical separation of light source and light exit
- · No electrical potential at the light exit
- Laborious safety measures at the light exit not necessary
- No temperature at the light exit (no discolouration of ceiling)
- For temperature (ta) < 80° C.
- The fibre should solely be fixed by glue from our product range.
- If the fibre is to be installed outdoors, the sheathed fibre must be used (as mechanical protection as well as protection against solar radiation (ultraviolet radiation)
- Feeding a projector with up to of 500 fibres (1,0 mm), it is characterized by a high efficiency with low power consumption.
- It is possible to combine different sizes and length:s of fibre (SO S33M) in one connector (item no. 900000). Compose your own personal fibre bundle.

Our planning department will be at your disposal at any time!

Maximum bunching per connector (fibres)

S0	S2	S3	S1	S2M	S3M	S19M	S33M	S50M
500	150	50	300	130	45	25	15	8



Installation of the fibre optical arrangements

- we advise installing the projector to a place where you are able to change the bulb at any time.
- by placing the projector in the central positon of the object, you get the smallest fibre length.
- for easy installation of the bundle, we advise having a free space of 30 cm from the connectors feed in.
- the source can be connected by a conventional socket or a ceiling socket.
- Please note that the fibres are resistant until a temperature of 90° C only.
- Please fix the fibres on the back with glue from our product range.



Outdoor



recessed ceiling spots



wall recessed lights

586

ground recessed spots

588

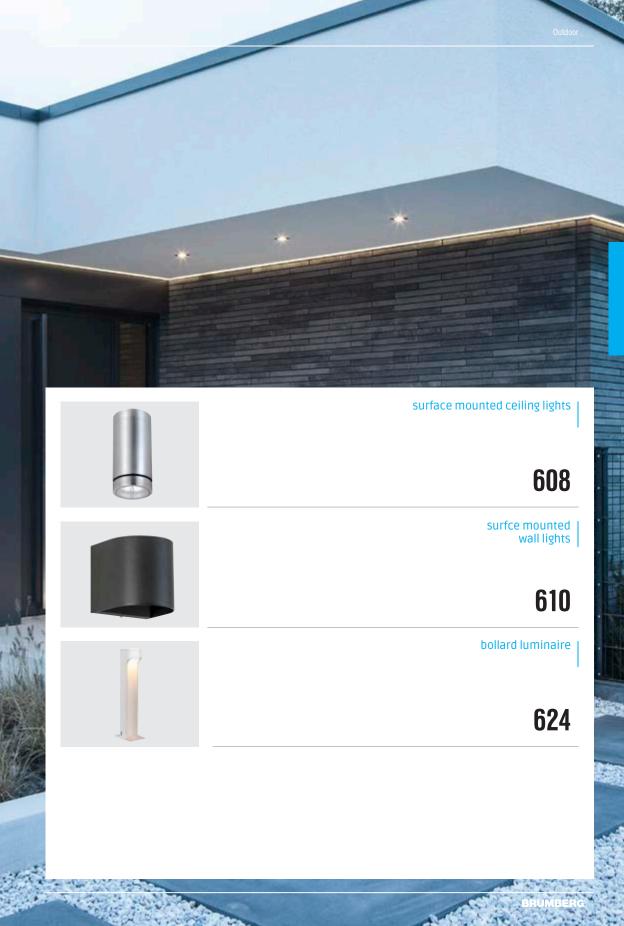
earth spike







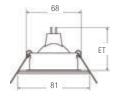




26004220 / 36004220 / 12004223 / 33004223

Stainless steel spot A4/AISI















Base model low voltage

For low voltage lamp: 1 x GX5.3 QRCBC51, power: max. 50 W. material: stainless steel A4/AISI 316 / clear glass

Low - voltage driver see page 645.

Energy efficiency class: A to C

Colour of cabinet Article-no 26004220 stainless steel



Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W. HV-clamp included, material: stainless steel A4/AISI 316 / clear glass

Energy efficiency class: A++ to E

Article-no Colour of cabinet 36004220 stainless steel



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet		Colour temperature
12004223	stainless steel	2700 K

modular construction: further light colors and power outputs are available on demand

410 lm

LED-Set, including driver

Incl. light source: 1 x LED, power: 6.6 W, beam angle: 38°, incl. driver for 230 Vconnection, not dimmable, dimension driver: length 68 x width 35 x height 21 mm, material: stainless steel A4/AISI 316 / clear glass / aluminium

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	ticle-no. Colour of cabinet		Colour temperature		
33004223	stainless steel	2700 K			

modular construction: further light colors and power outputs are available on demand



26005220 / 36005220 / 12005223 / 33005223

Stainless steel spot A4/AISI



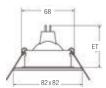








25.4 if installed in sleeped coilings





Base model low voltage

For low voltage lamp: $1 \times GX5,3 \ QRCBC51$, power: max. $50 \ W$, material: stainless steel A4/AISI $316 \ / \ clear \ glass$

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet

26005220 stainless steel



Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W, HV-clamp included, material: stainless steel A4/AISI 316 / clear glass

Energy efficiency class: A++ to E

Article-no. Colour of cabinet
36005220 stainless steel



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6.6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature

12005223 stainless steel 2700 K

modular construction: further light colors and power outputs are available on demand

350 mA ET K 410 im

LED-Set, including driver

Incl. light source: 1 x LED, power: $6.6\,\mathrm{W}$, beam angle: 38° , incl. driver for $230\,\mathrm{V}$ -connection, not dimmable., dimension driver: length $68\,\mathrm{x}$ width $35\,\mathrm{x}$ height $21\,\mathrm{mm}$, material: stainless steel A4/AISI $316\,\mathrm{/}$ clear glass / aluminium

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature

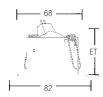
33005223 stainless steel 2700 K



2337.42 / 36195420 / 12195423 / 33195423

Stainless steel spot A4/AISI















Glare limitation by recessed bulb

Base model low voltage

For low voltage lamp: 1x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel A4/AISI 316

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 2337.42 stainless steel

Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W. material: stainless steel A4/AISI 316, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of cabinet 36195420 stainless steel













Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12195423	stainless steel	2700 K

modular construction: further light colors and power outputs are available on demand

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium, incl. driver for 230 V-connection, not dimmable, dimension driver: length 68 x width 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature
33195423	stainless steel	2700 K





2338.42 / 36196420 / 12196423 / 33196423

Stainless steel spot A4/AISI





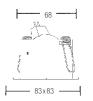








Glare limitation by recessed bulb







Base model low voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel A4/AISI 316

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no. Colour of cabinet 2338.42 stainless steel









Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power; max, 50 W. material: stainless steel A4/AISI 316, HV-clamp included

Energy efficiency class: A++ to E

Article-no. Colour of cabinet 36196420 stainless steel











Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

colour Article-no. Colour of cabinet temperature 12196423 stainless steel

modular construction: further light colors and power outputs are available on demand

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium, incl. driver for 230 V-connection, not dimmable, dimension driver: length 68 x width 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

colour Article-no. Colour of cabinet temperature 33196423 stainless steel

modular construction: further light colors and power outputs are available on demand























410 lm



2339.42 / 36306420 / 12306423 / 33306423

Stainless steel spot A4/AISI















*IP65 if installed in closed ceilings

Base model low voltage

For low voltage lamp: 1 x GX5.3 QRCBC51, power: max. 50 W. material: stainless steel A4/AISI 316 / glass frosted

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
2339 42	stainless steel

Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W. material: stainless steel A4/AISI 316 / glass frosted, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36306420	stainless steel











Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / glass frosted / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature	
12306423	stainless steel	2700 K	

modular construction: further light colors and power outputs are available on demand

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / glass frosted / clear glass / aluminium, incl. driver for 230 V-connection, not dimmable., dimension driver: length 68 x width 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature
33306423	stainless steel	2700 K

modular construction: further light colors and power outputs are available on demand





BRUMBERG[®]

37001... / 36156... / 12156... / 33156... Stainless steel A4 / AISI / copper Spot







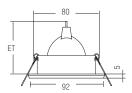






*IP65 if installed in closed ceilings

Note: Natural oxidation for copper version possible.





Base model low voltage

For low voltage lamp: 1 x GX5.3 QRCBC51, power: max. 35 W. material: stainless steel A4/AISI 316 / clear glass and copper / clear glass

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
37001190	copper
37001200	stainless steel A4/AISI 316
	clear powdered







Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power; max, 35 W. material: stainless steel A4/AISI 316 / clear glass and copper / clear glass, HV-clamp included

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet
36156190	copper
36156200	stainless steel A4/AISI 316
	clear powdered









Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium and copper/ clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12156193	copper	2700 K
12156203	stainless steel A4/AISI 316 clear powdered	2700 K

modular construction: further light colors and power outputs are available on demand

LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium and copper/ clear glass / aluminium, incl. driver for 230 V-connection, Not dimmable., dimension driver: length 68 x width 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperat	ure
33156193	copper	2700 K	
33156203	stainless steel A4/AISI 316 clear powdered	2700 K	























1180.22 / 36147220 / 12147223 / 33147223

Stainless steel spot A4/AISI















Base model low voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel A4/AISI 316

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1180 22	etainlace etaal



Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max. 50 W. material: stainless steel A4/AISI 316, HV-clamp included

Energy efficiency class: A++ to E

Article-no Colour of cabinet 36147220 stainless steel



Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
12147223	stainless steel	2700 K

modular construction: further light colors and power outputs are available on demand



LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium, incl. driver for 230 V-connection, not dimmable, dimension driver: length 68 x width 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33147223	stainless steel	2700 K



1181.22 / 36148220 / 12148223 / 33148223

Stainless steel spot A4/AISI















Base model low voltage

For low voltage lamp: 1 x GX5,3 QRCBC51, power: max. 50 W, material: stainless steel A4/AISI 316

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet	
1181.22	stainless steel	











Base model high-voltage for retrofit

For high voltage lamp: 1 x GU10 QPAR51, power: max, 50 W. material: stainless steel A4/AISI 316, HV-clamp included

Energy efficiency class: A++ to E

Article-no Colour of cabinet 36148220 stainless steel









125

Base model LED 350 mA

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium

Dimmable driver see page 629.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature
12148223	stainless steel	2700 K

modular construction: further light colors and power outputs are available on demand

















LED-Set, including driver

Incl. light source: 1 x LED, power: 6,6 W, beam angle: 38°, material: stainless steel A4/AISI 316 / clear glass / aluminium, incl. driver for 230 V-connection, not dimmable, dimension driver: length 68 x width 35 x height 21 mm

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
33148223	stainless steel	2700 K





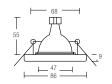






2225.42 Stainless steel spot A4/AISI







*IP44 if installed in closed ceilings

Specification

For lamp: 1 xGX5,3 QRC51, power: max. 50 W, material: stainless steel A4/AISI 316 / clear glass

Low - voltage driver see page 645.

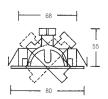
Energy efficiency class: A to C

Article-no. Colour of cabinet

2225.42 stainless steel

1925.42 Stainless steel spot A4/AISI







Specification

For lamp: 1 x GX5,3 QRCBC51,power: max. 50 W, material: stainless steel A4/AISI 316

Low - voltage driver see page 645.

Energy efficiency class: A to ${\bf C}$

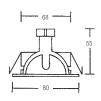




1924.42

Stainless steel spot A4/AISI







Specification

For lamp: 1 x GX5,3 QRC51, power: max. 35 W, material: stainless steel A4/AISI 316

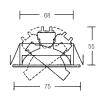
Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1924 42	stainless steel

1191.42 Stainless steel spot A4/AISI







Specification

For lamp: 1 x GX5,3 QRC51, power: max. 50 W, material: stainless steel A4/AISI 316,

Low - voltage driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
1191.42	stainless steel





Article-no.

1190.42



Stainless steel spot A4/AISI

Specification

For lamp: 1 x GX5,3 QRC51, power: max. 50 W, material: stainless steel A4/AISI 316

Low - voltage driver see page 645.

Energy efficiency class: A to C

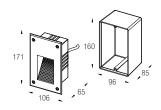
Colour of cabinet

stainless steel

1190.42

wall-recessed LED light







Specification

Incl. light source: LED-SMD, warm white power: 2 W, material: aluminium

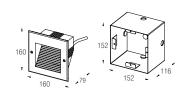
Energy efficiency class: A++ to A

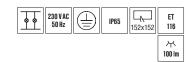
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature 60207183 textured black 3000 K

60208183 wall-recessed LED light







Specification

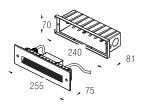
Incl. light source: LED-SMD, warm white power: 2 W, material: aluminium

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Colour temperature
60208183	textured black	3000 K

wall-recessed LED light







Specification

Incl. light source: LED-SMD, warm white power: 3 W, material: aluminium

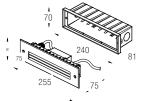
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no. Colour of cabinet Colour temperature 60205183 textured black 3000 K

60206183 wall-recessed LED light







Specification

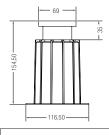
Incl. light source: LED-SMD, warm white power: 3 W, beam angle: 120° material: aluminium

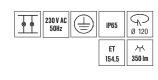
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Colour temperature
60206183	textured black	3000 K

Ground recessed LED luminaire







NEW

Specification

Incl. light source: LED, power: 5 W, beam angle: 24°, with power supply unit to connect to 230 V main voltage, material: aluminium / glass / plastic, incl. 300 mm

connection, not dimmable.

Energy efficiency class: A++ to A

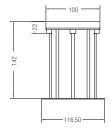
This luminaire contains incorporated and non-exchangeable LED light sources.

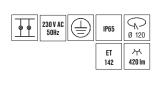
Article-No. Cover Colour temperature 14033083 black glass 3000 K

14030083

Ground recessed LED luminaire







Specification

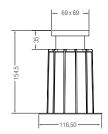
Incl. light source: LED, power: 6 W, with power supply unit to connect to 230 V main voltage, material: aluminium / glass / plastic, beam angle: 24°, incl. 300 mm connection, not dimmable.

Article-No.	Cover	Colour temperature
14030083	black glass	3000 K

Energy efficiency class: A++ to A



230 V AC 50Hz IP65 Ø 120 ET 154.5 350 Im



14034083 Ground recessed LED luminaire



NEW

Specification

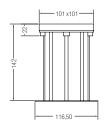
Incl. light source: LED, power: $5\,W$, with power supply unit to connect to $230\,V$ main voltage, material: aluminium / glass / plastic, beam angle: 24° , incl. $300\,\text{mm}$ connection, not dimmable.

Article-No.	Cover	Colour temperature
14034083	black glass	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.





14031083 Ground recessed LED luminaire



Specification

Incl. light source: LED, power: $6\,W$, with power supply unit to connect to $230\,V$ main voltage, material: aluminium / glass / plastic, beam angle: 24° , incl. $300\,\text{mm}$ connection, not dimmable.

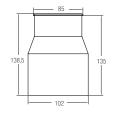
Article-No.	Cover	Colour temperature
14031083	black glass	3000 K

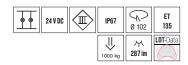
Energy efficiency class: A++ to A



Ground recessed LED luminaire







Specification

Incl. light source: 1 x LED, power: 7 W, beam angle: 28°, material: stainless steel / aluminium / clear glass, incl. 500 mm connection cable

Colour of cabinet Article-no. colour temperature 14021223 stainless steel 3000 K

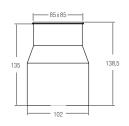
Driver see page 640.

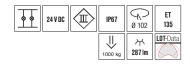
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

14022223 Ground recessed LED luminaire







Specification

Incl. light source: 1 x LED, power: 7 W, beam angle: 28°, material: stainless steel / aluminium / clear glass,

incl. 500 mm connection cable

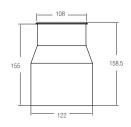
Driver see page 640.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	colour temperature
14022223	stainless steel	3000 K

Ground recessed LED luminaire







Specification

Incl. light source: 1 x LED, power: 10 W, beam angle: 40° , material: stainless steel / aluminium / clear glass, incl. $500\,\mathrm{mm}$ connection cable

Article-no. Colour of cabinet colour temperature

14023223 stainless steel 3000 K

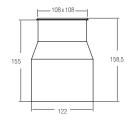
Driver see page 640.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

14024223 Ground recessed LED luminaire







Specification

Incl. light source: 1 x LED, power: 10 W, beam angle: 40° , material: stainless steel / aluminium / clear glass, incl. 500 mm connection cable

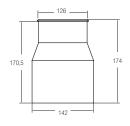
Article-no.	Colour of cabinet	colour temperature
14024223	stainless steel	3000 K

Driver see page 640.

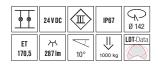
Energy efficiency class: A++ to A

Ground recessed LED luminaire





Article-no.



Colour temperature

Specification

Incl. light source: 1 x LED, power: 7 W,

beam angle: 28°, material: stainless steel /aluminium / clear glass, incl. 500 mm connection cable

Driver see page 640.

Energy efficiency class: A++ to A

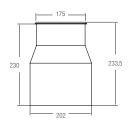
This luminaire contains incorporated and non-exchangeable LED light sources.

14025223 stainless steel 3000 K 🔵

Colour of cabinet

14026223 Ground recessed LED luminaire





T	24 V DC		IP67	Ø 202
ET 230	₩ 493 lm	10°	1000 kg	LDT-Data

Specification

Incl. light source: 1 x LED, power: 11 W, beam angle: 40°, material: stainless steel / aluminium / clear glass, incl. 500 mm connection cable

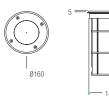
Article-no. Colour of cabinet Colour temperature 14026223 3000 K stainless steel

Driver see page 640.

Energy efficiency class: A++ to A

Ground recessed LED luminaire







Specification

Incl. light source: LED, warm white, power: 5 W, beam angle: 38°, material: stainless steel /aluminium / clear glass, incl. driver for 230 V-connection, not dimmable.

Energy efficiency class: A++ to A

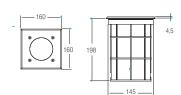
This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further colour temperatures and power varieties on demand.

Article-no.	Colour of cabinet	Colour temperature
14014223	stainless steel	2700 K

14016223 Ground recessed LED luminaire







Specification

Incl. light source: LED, warm white, power: 5 W, beam angle: 38°, material: stainless steel /aluminium / clear glass, incl. driver for 230 V-connection, not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Modular construction: further colour temperatures and power varieties on demand.

Article-no.	Colour of cabinet	Colour temperature	
14016223	stainless steel	2700 K	

Ground recessed LED luminaire







Specification

Incl. light source: LED, warm white, power: 10 W beam angle: 24°, material: stainless steel / aluminium / clear glass, incl. connection cable 500 mm 3 x 1,0 mm²

Article-no.	Colour of cabinet	Colour temperature
14017223	stainless steel	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Not dimmable.

14018223 Ground recessed LED luminaire







Specification

Incl. light source: LED, warm white, power: 18 W, beam angle: 24°, material: stainless steel / aluminium / clear glass, incl. connection cable 500 mm 3 x 1,0 mm²

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Not dimmable.

Article-no.	Colour of cabinet	Colour temperature
14018223	stainless steel	3000 K

Ground recessed LED luminaire







Specification

Incl. light source: LED, warm white, power: $25\,W$, beam angle: 24° , material: stainless steel / aluminium / clear glass, incl. connection cable $500\,\text{mm}\,3\,\text{x}\,1,0\,\text{mm}^2$

Article-no.	Colour of cabinet	Colour temperature
14019223	stainless steel	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Not dimmable.

14007223 Ground recessed LED luminaire







Specification

Incl. light source: $6\,x$ LED, power in total: 17,1 W, beam angle: 30° , material: stainless steel / aluminium / clear glass, incl. driver for $230\,V$ -connection, suitable for through-wiring

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

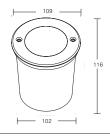
Not dimmable.

Article-no.	Colour of cabinet	Colour temperature	
14007223	stainless steel	3000 K	

P3867...

Ground recessed LED luminaire







Specification

incl. light source: 3 x LED, power: approx. 4,2 W, material: stainless steel / aluminium / glass opal, mounting sleeve incl., incl. 1000 mm connection cable

Driver see page 644.

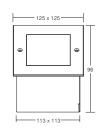
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature
P3867W	stainless steel	6500 K
P3867NW	stainless steel	4100 K
P3867WW	stainless steel	3100 K

P3868... Ground recessed LED luminaire







Specification

Incl. light source: 3 x power LED, power: approx. 4,2 W, material: stainless steel / plastic / aluminium / glass opal,

mounting sleeve incl., incl. 1000 mm connection cable

Driver see page 644.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	colour temperature
P3868W	stainless steel	6500 K
P3868NW	stainless steel	4100 K
P3868WW	stainless steel	3100 K

R3861... Ground recessed LED luminaire







Specification

Incl. light source: 3 x LED, power: approx. 4,2 W in total,

material: stainless steel / aluminium / glass satined, incl. mounting sleeve (ground cut-out 112 mm if using mounting sleeve), incl. 1000 mm connection cable

Driver see page 644.

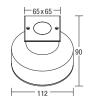
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature / light colour
R3861W	stainless steel	6500 K
R3861WW	stainless steel	3100 K
R3861B	stainless steel	•
R3861R	stainless steel	•
R3861Y	stainless steel	•
R3861G	stainless steel	•

R3862... Ground recessed LED luminaire







Specification

Incl. light source: 3 x LED, power: approx. 4,2 W in total,

material: stainless steel / aluminium / glass satined, incl. mounting sleeve (ground cut-out $112\,\mathrm{mm}$ if using mounting sleeve), incl. $1000\,\mathrm{mm}$ connection cable

Driver see page 644.

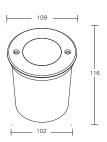
Energy efficiency class: A++ to A

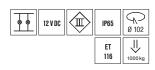
Article-no.	Colour of cabinet	Colour temperture / light colour
R3862W	stainless steel	6500 K \bigcirc
R3862WW	stainless steel	3100 K
R3862B	stainless steel	•
R3862R	stainless steel	•
R3862Y	stainless steel	•
R3862G	stainless steel	•

P3863...

Ground recessed LED luminaire







Specification

Incl. lightsource: $3 \times LED$, power $4,2 \, W$ in total, beam angle $45 \, ^\circ$, material: stainless steel / aluminium / plastic / clear glass, incl. mounting sleeve, incl. $1000 \, mm$ connection cable.

Driver see page 644.

Energy efficiency class: A++ to A

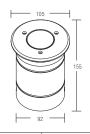
Article-no.	Colour of cabinet	Colour temperature	Flux
P3863W	stainless steel	6500 K \bigcirc	240 lm
P3863NW	stainless steel	4100 K	240 lm
P3863WW	stainless steel	3100 K	170 lm



P3825

Ground recessed LED luminaire







Specification

Incl. light source: 1 x LED, power: approx. 1 W, lens: 10°, material: stainless steel / plastic / clear glass, incl. mounting sleeve, incl. driver for 230 V-connection, 2 x M20, fitting for through wiring

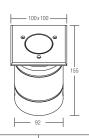
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour tempe / light colour	erature
P3825W	stainless steel	6500 K	
P3825WW	stainless steel	3100 K	
P3825B	stainless steel		•
P3825R	stainless steel		•
P3825Y	stainless steel		•
P3825G	stainless steel		•

P3826 Ground recessed LED luminaire







Specification

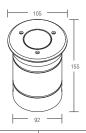
Incl. light source: 1 x LED, power: approx. 1 W, lens: 10°, material: stainless steel / plastic / clear glass, incl. mounting sleeve, incl. driver for 230 V-connection, $2\,x\,M20$ fitting for through wiring

Energy efficiency class: A++ to A

Article-no.	colour of carbinet	/ light colour	erature
P3826W	stainless steel	6500K	
P3826WW	stainless steel	3100K	
P3826B	stainless steel		•
P3826R	stainless steel		•
P3826Y	stainless steel		
P3826G	stainless steel		•

R3825... Ground recessed LED luminaire







Specification

Incl. light source: $3 \times \text{LED}$, power: $3.3 \, \text{W}$ in total, lense: 45° , material: stainless steel / plastic / clear glass, incl. mounting sleeve, incl. driver for $230 \, \text{V}$ -connection, $2 \times \text{M}20$ for through-wiring

Energy efficiency class: A++ to A

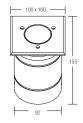
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour tem	perature
R3825W	stainless steel	6500 K	
R3825NW	stainless steel	4100 K	
R3825WW	stainless steel	3100 K	

modular construction: further light colors and power outputs are available on demand

R3826... Ground recessed LED luminaire







Specification

Incl. light source: $3 \times LED$, power: 3,3 W in total, lense 45° , material: stainless steel / plastic / clear glass, incl. mounting sleeve, incl. driver for 230 V-connection, $2 \times M20$ for through-wiring

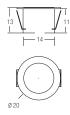
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature	
R3826W	stainless steel	6500 K	_
R3826NW	stainless steel	4100 K	
R3826WW	stainless steel	3100 K	

Ground recessed LED light point







Specification

Incl. light source: 1 x SMD-LED 5050 power: approx. 0,15 W material: stainless steel / plastic opal

incl. 5000 mm, connection cable, extreme flat

Driver see page 644.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

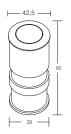
Article-no. Colour of cabinet Colour temperature 14011223

3000 K

stainless steel

P3817... Ground recessed LED luminaire







Specification

Incl. light source: 1 x LED, power: approx 1 W, material: stainless steel / aluminium / glass satined

incl. mounting sleeve, incl. 150 mm connection cable

Driver see page 628.

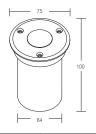
Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Colour tempera- ture / light colour
P3817W	stainless steel	6500 K \bigcirc
P3817WW	stainless steel	3100 K 🔾
P3817B	stainless steel	•
P3817R	stainless steel	•
P3817Y	stainless steel	•
P3817G	stainless steel	•

P3816... Ground recessed LED luminaire









Specification

Incl. light source: 1 x LED, power: approx. 1 W, material: stainless steel / glass satined

incl. mounting sleeve

Driver see page 628.

Energy efficiency class: A++ to A

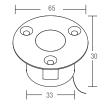
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature / light colour
P3816W	stainless steel	6500 K
P3816WW	stainless steel	3100 K
P3816B	stainless steel	•
P3816R	stainless steel	•
P3816Y	stainless steel	•
P3816G	stainless steel	•

P3807... Ground recessed LED luminaire









Specification

Incl. light source: 1 x LED, power: approx. 1 W, material: stainless steel / plastic opal

With mounting sleeve 3807, protection class IP65, installation depth 70 mm, must be ordered separately.

Walk-over, not drive-over resistant

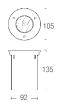
Driver see page 628.

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Colour temperature / light colour
P3807W	stainless steel	6500 K
P3807WW	stainless steel	3100 K
P3807B	stainless steel	•
P3807R	stainless steel	•
P3807Y	stainless steel	•
P3807G	stainless steel	•
3807		mounting sleeve

Ground recessed low-voltage luminaire







Specification

For lamp: 1 x GX5,3 QRCB51, power: max. 35 W, material: stainless steel / clear glass, screwing: $2\,x\,M20$ for through-wiring, incl. mounting sleeve

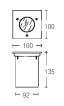
Driver see page 645.

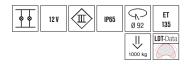
Energy efficiency class: A to C

Article-no. Colour of cabinet 3101 stainless steel

Ground recessed low-voltage luminaire







Specification

For lamp: 1 x GX5,3 QRCB51, power: max. 35 W, material: stainless steel / clear glass, screwing: $2\,x\,M20$ for through-wiring, incl. mounting sleeve

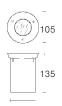
Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
3102	stainless steel

3104 Ground recessed low-voltage luminaire







Specification

For lamp: GX5,3 QRCB51, power: max. 35 W, material: stainless steel / satin glass, screwing: 2 x M20 for through-wiring, incl. mounting sleeve

Driver see page 645.

Energy efficiency class: A to C

Article-no.	Colour of cabinet
3104	stainless steel

Colour of

stainless steel

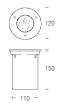
cabinet

Article-no.

3105

3105 Ground recessed high-voltage luminaire







Specification

For lamp: 1 x GU10, max 5 W* material: stainless steel / satin glass

screwing: $2\,x\,M20$ for through-wiring, incl. mounting sleeve

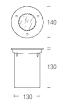
Energy efficiency class: A+

MEGAMAN[®] EnergieSparLampen

*suitable for MEGAMAN LED-lamp MM27432 & 26302

High-voltage-in-ground light







Specification

For lamp: 1 x GX53, max. $5\,W^*$, material: stainless steel / satin glass

screwing: 2 x M20 for through-wiring, incl. mounting sleeve

Energy efficiency class: A++ to E

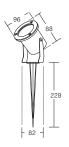
MEGAMAN[®] EnergieSparLampen

*suitable for MEGAMAN LED-lamp MM27982 Article-no. Colour of cabinet

3128 stainless steel

P3864... LED earth spike spot







Specification

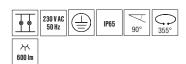
Incl. light source: $3 \times LED$, power: 4,2 W in total, beam angle: 45° , material: stainless steel / aluminium/ plastic / clear glass, colour housing: stainless steel / RAL 9006, incl. 5000 mm connection cable

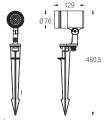
Driver see page 644.

Energy efficiency class: A++ to A

Article-no.	Colour temperature	Flux
P3864W	6500 K	240 lm
P3864NW	4100 K	240 lm
P3864WW	3100 K	170 lm









Specification

Incl. light source: LED, power: 8 W, beam angle: 30° material: aluminium / clear glass

Not dimmable. Incl. 2000 m connection cable with plug. Energy efficiency class: A++ to A This luminaire contains incorporated and

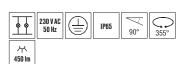
non-exchangeable LED light sources.

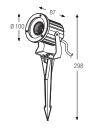
Article-no. 60104183

Colour of Colour temperature 3000 K textured black



60103223 LED earth-spike spot







Specification

Incl. light source: COB, power: 6 W, beam angle: 40°, material: stainless steel / aluminium / clear glass

Not dimmable. incl. 2000 m connection cable with plug

Energy efficiency class: A++ to A

Article-no.	Colour of cabinet	Colour temperature
60103223	textured black / stainless steel	3000 K 🔵

2315.22

High-voltage-surface mounted light - stainless steel A4/AISI









Specification

for lamp: 1 x GU10 QPAR51, power: max. 35 W,

material: stainless steel A4/AISI 316 / clear glass

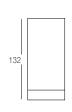
Energy efficiency class: A++ to E

Articleno. Colour of cabinet
2315.22 stainless steel

2316.22

High-voltage surface mounted light - stainless steel A4/AISI









Specification

for lamp: 1 x GU10 QPAR51, power: max. 35 W, material: stainless steel A4/AISI 316 / clear glass

Energy efficiency class: A++ to E

Article-no.	Colour of cabinet	
2316.22	stainless steel	

2315LED

surface mounted LED light - stainless steel A4/AISI







Specification

Incl. light source: 1x power LED, power: approx. $5\,W$, beam angle: 40, material: stainless steel A4/AISI 316 / clear glass, not dimmable, for $230\,V$ -connection

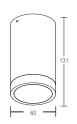
Article-no.	Colour of cabinet	Colour temperature
2315LED	stainless steel	2800 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

2316LED surface mounted LED light - stainless steel A4/AIS







Specification

Incl. light source: 1 x power LED, power: approx. 5 W, beam angle: 40, material: stainless steel A4/AISI 316 / clear glass, not dimmable, for 230 V-connection

Article-no.	Colour of cabinet	colour temperature
2316LED	stainless steel	2800 K

Energy efficiency class: A++ to A

LED surface mounted light







Specification

Incl. light source: 1 x LED, power: 12 W, beam angle: 120°

material: cast / plastic, incl. inbuilt driver, not dimmable,

matt film suited to curing behind glass to satin on-site is included in scope of delivery

Article-no.	Colour of cabinet	Colour temperature
60106083	black	3000 K

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

60102223 LED ceiling or wall spot light







Specification

Incl. light source: 1 x LED, power: 6 W, beam angle: 40°, Material: aluminium / stainless steel / clear glass

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Not dimmable.

Article-no.	Colour of cabinet	Colour temperature
60102223	black	3000 K

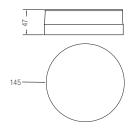


10030...

LED wall mounted luminaire











Specification

Incl. light source: 1 x LED, power: 9 W, material: aluminium / plastic opal, incl. driver for connecting to 230 V supply voltage, not dimmable.

With changeable front panel for purely direct light distribution or direct / indirect light distribution. Both front panels (attached magnetically) are contained in the shipment for on-site selection.

Article no	Colour of cabinet	Colour temperature
10030173	textured white	3000 K
10030183	textured black	3000 K
10030693	textured silver	3000 K

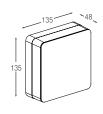
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

10034... LED wall mounted luminaire











665 lm

NEW

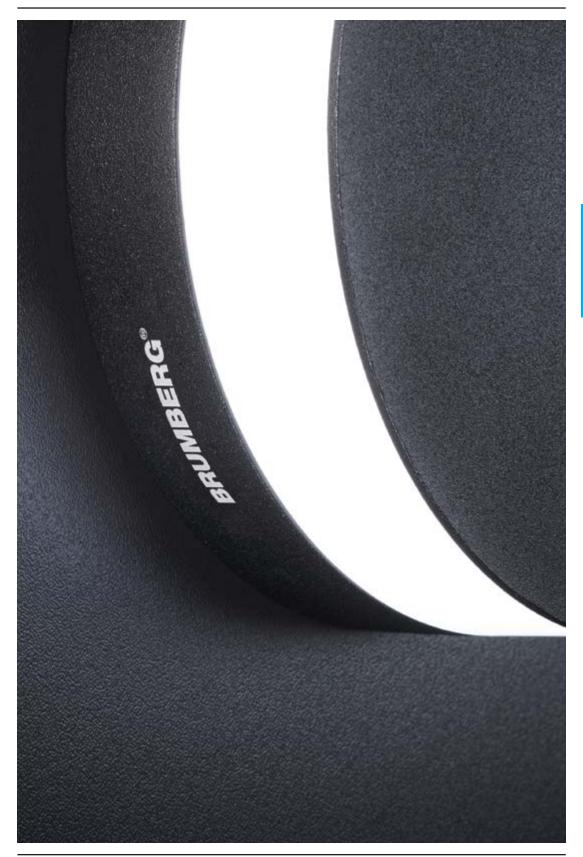
Specification

Incl. light source: 1x LED, power: 9 W, material: aluminium / plastic opal, incl. driver for connecting to 230 V supply voltage, not dimmable.

With changeable front panel for purely direct light distribution or direct / indirect light distribution. Both front panels (attached magnetically) are contained in the shipment for on-site selection.

Fnerny	efficiency	class:	A++	tn A

Article no	Colour of cabinet	Colour temperature
10034173	textured white	3000 K
10034183	textured black	3000 K
10034693	textured silver	3000 K













- 72 -180

60017... LED wall mounted luminaire



Specification

Incl. light source: LED, power: 2 x 4 W material: aluminium / clear glass, beam angle: 2 x 60°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour tempe- rature
60017173	textured white	3000 K
60017183	textured black	3000 K

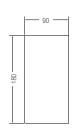
230 V AC 50Hz











60018... LED wall mounted luminaire



Specification

Incl. light source: LED, power: 2 x 4 W material: aluminium / clear glass, beam angle: 2 x 60°

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour tempe- rature
60018173	textured white	3000 K
60018183	textured black	3000 K

60037...

LED wall mounted luminaire







Specification

Incl. light source: LED, power: 2 x 2 W material: aluminium / clear glass, beam angle: 2 x 60°, rectangular design

Article-No.	Colour of cabinet	Colour temperature	
60037173	textured white	3000 K	
60037183	textured black	3000 K	

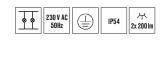
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

60038... LED wall mounted luminaire







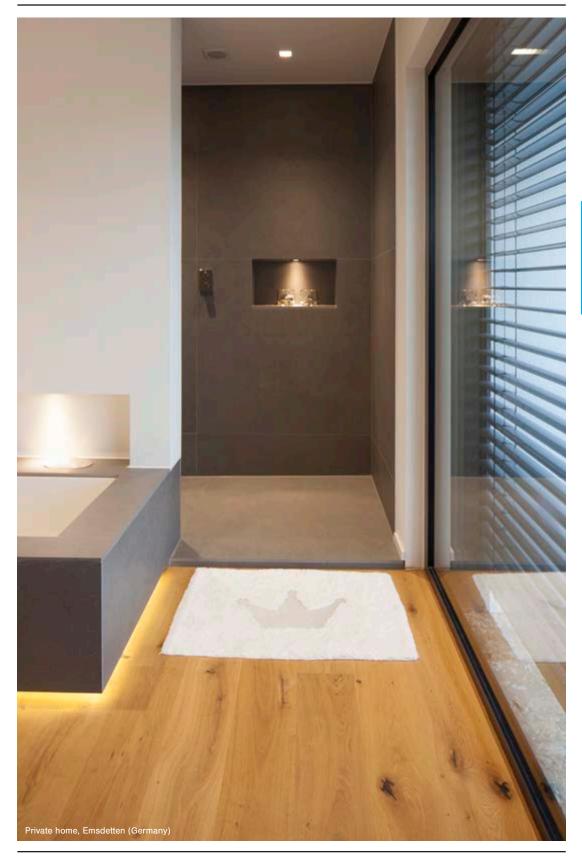
Specification

Incl. light source: LED, power: 2 x 4 W material: aluminium / clear glass, beam angle: 2 x 60°, rectangular design

Article-No.	Colour of cabinet	Colour temperature
60038173	textured white	3000 K
60038183	textured black	3000 K

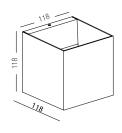
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.



LED wall mounted luminaire







Colour temperature

3000 K

Specification

Incl. light source: LED, power: 10 W material: aluminium / plastic clear, light distribution: direct / indirect

Incl. driver for 230 V-connection. Not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

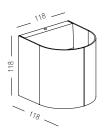
60025183 textured black

Article-No.

Colour of cabinet

60026183 LED wall mounted luminaire







Specification

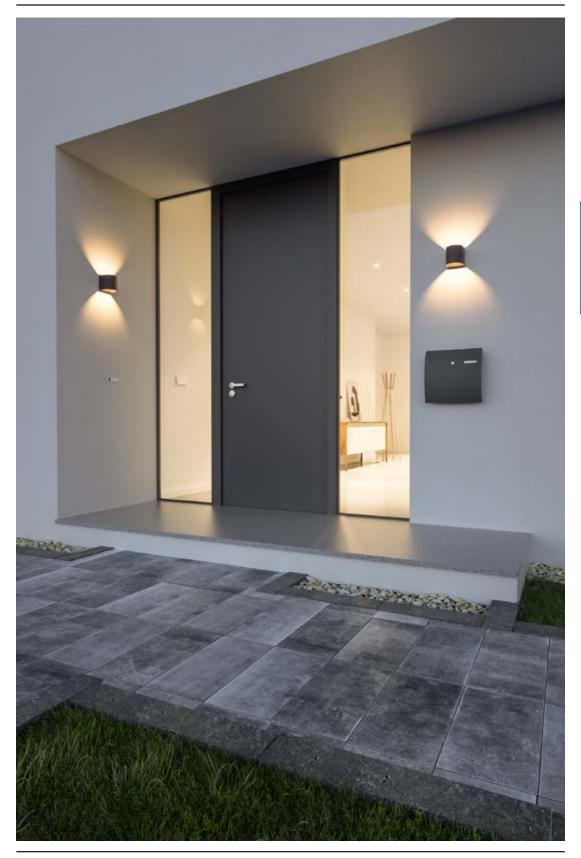
Incl. light source: LED, power: 10 W material: aluminium / plastic clear, light distribution: direct / indirect

Incl. driver for 230 V-connection. Not dimmable.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature
60026183	textured black	3000 K

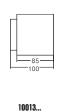


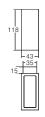


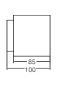
10013.../ 10033... LED wall mounted luminaire











10033...









Specification

Incl. light source: 2 x LED, 3000 K, material: aluminium / clear glass, with a power supply unit to connect to 230 V main voltage, not dimmable

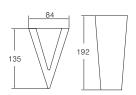
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Flux	Power	
10013173	textured white	2x 218 lm	2x3W	
10013103	textured graphite	2x 218 lm	2x3W	
10033173	textured white	2x 365 lm	2x 5 W	
10033103	textured graphite	2x 365 lm	2x 5 W	

10031... LED surface mounted wall light









Up & Down

Specification

Incl. light source: $2\,x$ power LED, power: $2\,x$ 4W, material: aluminium/ glass. Not dimmable. Incl. driver for $230\,V$ -connection.

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	Colour temperature
10031173	textured white	3000 K
10031183	textured black	3000 K

10012173 LED wall light















Specification

Incl. light source: 1 x Power-LED, material: aluminium / clear glass, about 3 W,

incl. driver for 230 V-connection

adjustable light head

Energy efficiency class: A++ to A

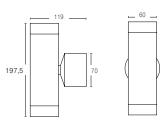
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour tempe- rature
10012173	textured white	3000K 🔍

3177LED

LED wall light - stainless steel A4/AISI







Specification

Inkl. light source: 2 x LED (each 5 W), power: approx. 10 W material: stainless steel A4/AISI 316 / clear glass beam angle: 40°

Colour of colour tempe-Article-no. cabinet rature 3177LED stainless steel 2800 K

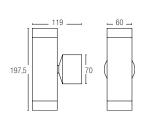
up & down

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

High - voltage wall light - stainless steel A4/AISI







Specification

for lamp: 2 x GU10 QPAR51, power: max. 35 W material: stainless steel A4/AISI 316 / clear glass

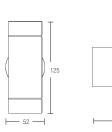
Article-no.	Colour of cabinet
3177	stainless steel

up & down

Energy efficiency class: A++ to E

LED wall light - stainless steel A4/AISI







Specification

Incl. light source: 2 x power LED, power: approx. 2 x1 W, beam angle: 10°, material: stainless steel A4/AISI 316 / clear glass, incl. driver for 230V connection

Article-no.	Colour of cabinet	colour temperature	
10009425	stainless steel	6500 K	

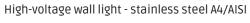
— 44,5 —

up and down

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

35001420









Specification

for lamp: 1 x GU10 QPAR51, power: max. 35 W material: stainless steel A4/AISI 316 / clear glass

Article-no.	Colour of cabinet
35001420	stainless steel

Energy efficiency class: A++ to E

LED bollard luminaire



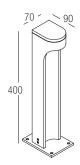














Specification

Incl. light source: 1 x LED, power: 7 W, material: aluminium, base measurement: I 120 x w 90 mm, including 500 mm connection cable and driver to connecting to 230 V supply voltage, not dimmable.

Energy efficiency class: A++ to A

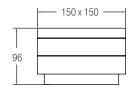
This luminaire contains incorporated and non-exchangeable LED light sources.

Article-No.	Colour of cabinet	Colour temperature	е
60002173	textured white	3000 K	
60002183	textured black	3000 K	

60023183 LED bollard luminaire









Specification

Incl. light source: LED, power: 1 x 10 W material: aluminium / plastic satin, incl. driver for 230 V-connection. Not dimmable.

Articleno. Colour of cabinet colour temperature
60023183 textured black 3000 K

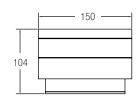
Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

60024183 LED bollard luminaire



230 V AC 50Hz





Specification

Incl. light source: LED, power: $1\times 8\,\mathrm{W}$ material: aluminium / plastic satin, incl. driver for 230 V-connection. Not dimmable.

520 lm

IP65

Energy efficiency class: A++ to A

This luminaire contains incorporated and non-exchangeable LED light sources.

Article-no.	Colour of cabinet	colour temperature
60024183	textured black	3000 K 🔵

accessory part



628

500 mA

633

700 mA

634

1000 mA

638















12 V DC



644

12 V AC



645

further accessoires



647

LED driver constant current 350 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 120-370 V DC / 90-264 V AC, frequency: 50-60Hz, electrical feeding (in / out): 100/110 mm,

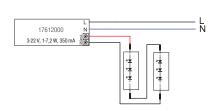
ambient temperature (ta): -20° C to +50° C, (tc): max. 85° C, dimensions: $52\,\text{mm}\,x\,30\,\text{mm}\,x\,23\,\text{mm}$, material: plastic housing

built-in device not dimmable

Article-no.	Secondary voltage	Power output
17666000	350 mA	1-5 W

LED driver constant current 350 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

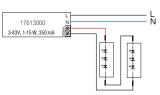
primary voltage: 120-370 V DC / 90-264 V AC, frequency: 50-60Hz, electrical feeding (out): 150 mm, ambient temperature (ta): -20° C to +50° C, (tc): max. 70° C, dimensions: $68\,\text{mm}\,\text{x}\,35\,\text{mm}\,\text{x}\,21\,\text{mm}$, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17612000	350 mA	1 - 7,2 W

LED driver constant current 350 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 100-240 V AC, frequency: 50-60Hz,

electrical feeding (out): 140mm,

ambient temperature (ta): -25° C to +45° C, (tc): max. 75°, dimensions: 115mm x 34mm x 19mm, material: plastic housing

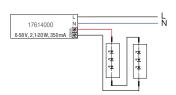
with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17613000	350 mA	1 - 15 W

350 mA P20 25

17614000

LED driver constant current 350 mA, not dimmable





series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 90-264 V AC, frequency: 50-60 Hz, electrical feeding (out): 140 mm, ambient temperature (ta): -20°C to +50°C, (tc): max. 90°C, dimensions: 145 mm x 50 mm x 22 mm, material: plastic housing

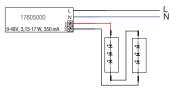
with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17614000	350 mA	2-20 W



17605000

LED driver constant current 350 mA, not dimmable





series connexion, max. length of connection cable, on the secondary side 10 m

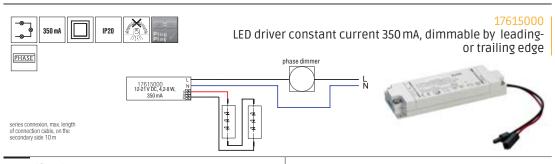
Specification

primary voltage: 190-240 V DC / 220-240 V AC, frequency: 50-60 Hz, electrical feeding (out): 130 mm,

ambient temperature (ta): -20° C to +50° C, (tc): max. 80° C, dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17605000	350 mA	3,15-17 W



Specification

primary voltage: 220-240 V AC, frequency: 50-60 Hz,

electrical feeding (out): 150 mm,

ambient temperature (ta): max. +50° C, (tc): max. 85° C, dimensions: 122 mm x 39 mm x 18 mm, material: plastic housing

with strain relief dimmable via leading- or trailing edge dimming range 10-100 % (depending on applied phase dimmer)

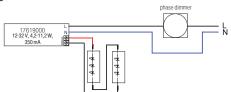
Article-no.	Secondary voltage	Power output
17615000	350 mA	4,2-8 W



LED driver 350 mA constant current. dimmable by leading- or trailing edge







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

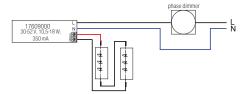
primary voltage: 220-240 V AC, frequency: 50-60 Hz, ambient temperature (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 143 mm x 43 mm x 31 mm, material: plastic housing Article-no. Secondary Power output voltage 17619000 350 mA 4.2-11.2 W

with strain relief dimmable via leading- or trailing edge dimming range 10-100 % (depending on applied phase dimmer)

LED driver 350 mA constant current, dimmable by leading- or trailing edge







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

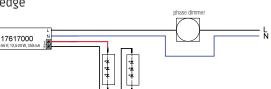
primary voltage: 220-240 V AC, frequency: 50-60 Hz, ambient temperature (ta): -25° C to +50° C, (tc): max. 80° C, wire size: 0,5 - 1,5mm², dimensions: 141 mm x 43 mm x 30 mm, material: plastic housing

Article-no. Secondary Power output voltage 17609000 350 mA 10,5-18 W

with strain relief dimmable via leading- or trailing edge dimming range 10-100 % (depending on applied phase dimmer)

LED driver constant current 350 mA dimmable by leading- or trailing edge





series connexion, max. length of connection cable, on the

secondary side 10 m

Specification

primary voltage: 220-240 V AC, frequency: 50 - 60 Hz electrical feeding (out): 140 mm,

ambient temperature (ta): 0° C to +50° C, (tc): max. 85° C,

dimensions: 180 x 32 x 32mm, material: plastic housing

with strain relief dimmable 1-10V (analog) dimming range 10-100 % (depending on applied phase dimmer)

Article-no.	Secondary voltage	Power output
17617000	350 mA	12,5-20 W



1/60/000

LED driver constant current 350 mA, 1-10V dimmable (analogue)



1-10

series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 220-240 V AC, frequency: 50 - 60 Hz

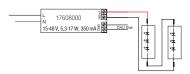
electrical feeding (out): 130 mm,

ambient temperature (ta): -25° C to $+50^{\circ}$ C, (tc): max. 80° C, dimensions: $180 \text{ mm} \times 32 \text{ mm} \times 32 \text{ mm}$, material: plastic housing

with strain relief dimmable 1-10 V (analog) dimming range 5-100 %

Article-no.	Secondary voltage	Power output
17607000	350 mA	3,8-17 W

350 mA P20 22



L 17607000 P 10,8-48V, 3,8-17W, 350 mA

1/608000 current 350 ma

LED driver constant current 350 mA, dimmable (digital)



Specification

series connexion, max. length of connection cable, on the secondary side 10 m

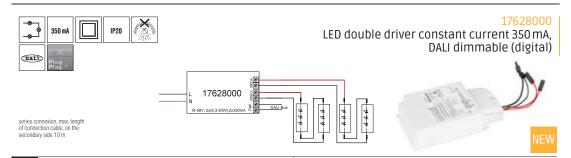
primary voltage: 175-275 V DC / 220-240 V AC, frequency: 50 - 60Hz,

electrical feeding (OUT): 130mm,

ambient temperature (ta): -40 $^{\circ}$ C to +50 $^{\circ}$ C $^{\circ}$ C, (tc): max. 80 $^{\circ}$ C, dimensions: 180 x 32 x 32mm, material: plastic housing

with strain relief dimmable DALI (digital) dimming range 1-100 %

Article-no.	Secondary voltage	Power output
17608000	350 mA	5,3-17 W



Specification

primary voltage: 220-240 V AC, frequency: 50 - 60 Hz,

electrical feeding (OUT): 130 mm,

ambient temperature (ta): -25° C to +50° C, (tc): max. 80° C,

wire size:0,5-1,5 mm², dimensions: 143 x 82 x 35 mm, material: plastic housing

with strain relief dimmable DALI (digital) dimming range 5-100 %

Article-no.	Secondary voltage	Power output
17628000	350 mA	2x6,3-20 W

2 x LED-output 350 mA on one DALI address

3835 / 3836 / 3837

Plug & Play extension cord 350 mA









Specification

Plug & Play extension cord 350 mA (series connexion)

Article-no.	Length
3835	500 mm
3836	1000 mm
3837	2000 mm

LED driver configuration for 350 mA LED luminaires in series connexion

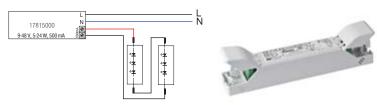
power LED lui	minaire:	1 W	1,2 W	3 W	3,3 W	4 W	5 W	6 W	6,6 W	7 W	9 W	11 W	15W
art. no.	dimming												
17666000	-	1-5	1-4	1	1	1	1	-	-	-	-	-	-
17612000	-	1-7	1-6	1-2	1-2	1	1	1	1	1	-	-	-
17613000	-	1-14	1-12	1-5	1-4	1-3	1-3	1-2	1-2	1-2	1	1	1
17614000	-	2-19	2-18	1-6	1-6	1-5	1-4	1-3	1-3	1-2	1-2	1	1
17605000	-	4-16	3-14	2-5	1-5	1-4	1-3	1-2	1-2	1-2	1	1	1
17615000	Phase	5-7	4-6	2	2	2	1	1	1	1	-	-	-
17609000	Phase	11-18	9-15	4-6	4-5	3-4	3	2-3	2	2	2	1	1
17617000	Phase	13-19	11-16	4-6	4-6	4-5	3-4	3	2-3	2	2	-	1
17607000	1-10V	4-16	4-14	2-5	2-5	1-4	1-3	1-2	1-2	1-2	1	1	1
17608000	DALI	6-16	5-14	2-5	2-5	2-4	2-3	1-2	1-2	1-2	1	1	1
17619000	Phase	5-11	4-9	2-3	2-3	2	1-2	1	1	1	1	1	-
17628000	DALI	14-38	12-33	6-13	4-12	4-10	4-8	4-6	2-6	2-4	2-4	2	2

In this overview we like to help you finding the suitable LED drivers for connecting our 350 mA LED. According to the power of LED luminaire you can see how many luminaires can be connected to the specific LED driver in series connection.

Example: To LED driver 17607000 can be connected at least 2, but in maximum 5 luminaires with 3,3 W each.



LED driver 500mA constant currant, not dimmable



series connexion, max. length of connection cable, on the secondary side 10 m

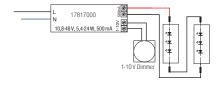
Specification

primary voltage: 190-240 V DC / 220-240 V AC, frequency: 50-60 Hz, ambient temperature (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17815000	500 mA	5-24 W





LED driver 500mA constant currant. 1-10V dimmable (analogue)



Specification

series connexion, max. length of connection cable, on the secondary side 10 m

primary voltage: 175-275 V DC / 220-240 V AC, frequency: 50-60 Hz, ambient temperature (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

with strain relief dimmable 1-10 V (analog) dimming range 5-100 %

Article-no.	Secondary voltage	Power output
17817000	500 mA	5,4 - 26 W



17818000 15-48 V, 7,5-24 W, 500 mA 🚡 🙆

LED driver constant current 500mA, dimmable by DALI (digital)



Specification

series connexion, max. length of connection cable, on the secondary side 10 m

primary voltage: 175-275 V DC / 220-240 V AC, frequency: 50-60 Hz, ambient temperature (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 180mm x 32mm x 32mm, material: Plastic housing

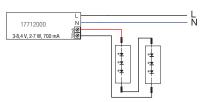
with strain relief dimmable DALI (digital) dimming range 1-100%

Article-no.	Secondary voltage	Power output		
17818000	500 mA	7,5-24 W		

LED driver constant current 700 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 120-370 V DC / 90-264 V AC, frequency: 50-60 Hz, electrical feeding (out): 145 mm, (ta): -20° C to +40° C, (tc): max. 70° C, dimensions: 68 mm x 35 mm x 21 mm, material: plastic housing

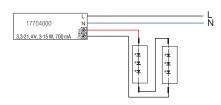
with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17712000	700 mA	2-7W

LED driver constant current 700 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 220-240 V AC, frequency: 50-60Hz, electrical feeding (out): 130mm, (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 141mm x 43mm x 30mm, material: plastic housing

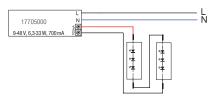
with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17704000	700 mA	3-15 W

LED driver constant current 700 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

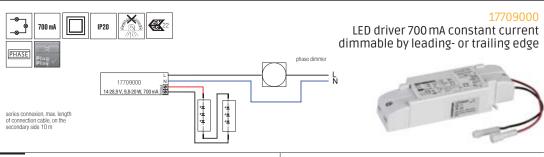
Specification

primary voltage: 190-240 V DC / 220-240 V AC, frequency: 50-60Hz, electrical feeding (out): 135mm,

(ta): -25° C to +50° C, (tc): max. 80° C, wire size: 0,5-1,5mm2 dimensions: 180mm x 32mm x 32mm, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17705000	700 mA	6,3-33 W



Article-no.

Secondary

Power output

Specification

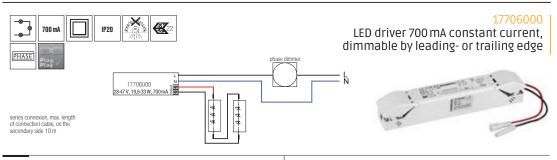
primary voltage: 220-240 V AC, frequency: 50-60 Hz, electrical feeding (out): 135mm,

voltage (ta): -25° C to +50° C, (tc): max. 80° C, 17709000 700 mA 9.8-20W dimensions: 141 mm x 43 mm x 30 mm, material:plastic housing

with strain relief

dimmable via leading- or trailing edge

dimming range 10-100 % (depending on applied phase dimmer)



Specification

primary voltage: 220-240 V AC, frequency: 50-60Hz, electrical feeding (out): 130mm, (ta): -25° C to +50° C. (tc): max. 80° C.

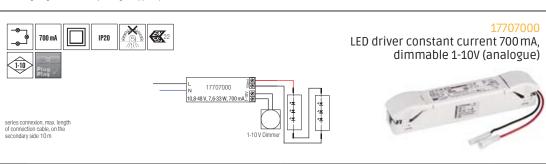
dimensions: 180mm x 32mm x 32mm, material: plastic housing

Article-no. Secondary Power output voltage 17706000 700 mA 19.6 - 33 W

with strain relief

dimmable via leading or trailing edge

dimming range 10-100 % (depending on applied phase dimmer)



Specification

primary voltage: 220-240 V AC, frequency: 50-60 Hz,

(ta): -25° C to +50° C, (tc): max. 80° C,

dimensions: 180mm x 32mm x 32mm, material: Plastic housing

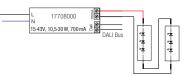
with strain relief dimmable 1-10V (analog) dimming range 5-100 %

Article-no.	Secondary voltage	Power output		
17707000	700 mA	7,6-33 W		

LED driver constant current 700 mA, DALI dimmable (digital)







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 175-275 V DC / 220-240 V AC, frequency: 50-60 Hz,

(ta): -25° C to +50° C, (tc): max. 80° C,

dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

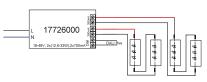
with strain relief dimmable DALI (digital) dimming range 1-100 %

Secondary Article-no. Power output voltage 17708000 700 mA 10.5-30 W

LED double driver constant current 700 mA, DALI dimmable (digital)







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 220-240 V AC, frequency: 50-60Hz, (ta): -25° C to +50° C, (tc): max. 80° C, wire size: 0,5-1,5mm², dimensions: 143 mm x 82 mm x 35 mm, material: plastic housing

with strain relief dimmable DALI (digital) dimming range 5-100 %

Article-no.	Secondary voltage	Power output				
17726000	2 x 700 mΔ	2 x 12 6-33 W				



3838 / 3839 / 3840

Plug & Play extension cord 700 mA



Specification

Plug & Play extension cord 700 mA (series connection)

Article-no.	Length
3838	500 mm
3839	1000 mm
3840	2000mm

LED driver configuration for 700 mA LED luminaires in series connection

LED-power luminaire:		2 W	3W	4,5 W	6,7 W	7 W	8,4 W	9 W	10 W	12 W	13,6 W	14 W	15 W
art. no.	dimming												
17712000	-	1-3	1-2	1	1	1	-	-	-	-	-	-	-
17704000	-	2-7	1-5	1-3	1-2	1-2	1	1	1	1	1	1	1
17705000	-	4-16	3-11	2-7	1-4	1-4	1-3	1-3	1-3	1-2	1-2	1-2	1-2
17709000	Phase	5-10	4-6	3-4	2	2	2	2	1-2	1	1	1-2	1
17706000	Phase	10-16	7-11	5-7	3-4	3-4	3	3	2-3	2	2	2	2
17707000	1-10V	4-16	3-11	2-7	2-4	2-4	1-3	1-3	2-3	1-2	2	1-2	1-2
17708000	DALI	6-16	4-11	3-7	2-4	2-4	2-3	2-3	2-3	1-2	2	1-2	1-2
17726000	DALI	14-30	10-22	6-14	4-8	4-8	4-6	4-6	4-6	4	2-4	2-4	2-4

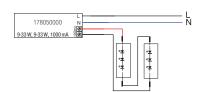
In this overview we like to help you finding the suitable LED drivers for connecting our 700 mA LED. According to the power of LED luminaire you can see how many luminaires can be connected to the specific LED driver in series connection.

Example: To LED driver 17707000 can be connected at least 2, but in maximum 4 luminaires with 7 W each.

LED driver constant current 1000 mA, not dimmable







series connexion, max. length of connection cable, on the secondary side 10 m

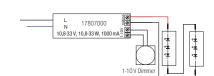
Specification

primary voltage: 190-265 V DC / 220-240 V DC, frequency: 50-60 Hz, (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17805000	1000 mA	9-33 W

LED driver constant current 1000 mA, DALI 1-10V dimmable (digital)



series connexion, max, length of connection cable, on the secondary side 10 m

Specification

primary voltage: 220-240 V AC, frequency: 50-60Hz, (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

with strain relief 1-10V dimmable (analog) dimming range 5-100 %

Article-no.	Secondary voltage	Power output
17807000	1000 mA	10.8-33.W

LED driver constant current 1000 mA, dimmable by DALI







series connexion, max. length of connection cable, on the secondary side 10 m

Specification

primary voltage: 220-240 V AC, frequency: 50-60Hz, (ta): -25° C to +50° C, (tc): max. 80° C, dimensions: 180 mm x 32 mm x 32 mm, material: plastic housing

with strain relief dimmable by DALI (digital) dimming range 1-100 %

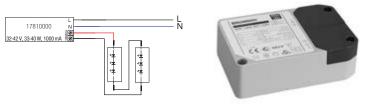
Article-no.	Secondary voltage	Power output
17808000	1000 mA	15-30 W



LED driver constant current 1000 mA, not dimmable

Power output

33-40 W



Secondary voltage

1000 mA

Article-no.

17810000

series connexion, max. length of connection cable, on the secondary side 0,6 m

Specification

primary voltage: 220-240 V AC, frequency: 50-60 Hz,

(ta): 0° C to +45° C, (tc): max. 75° C,

dimensions: 105 mm x 68 mm x 32 mm, material: plastic housing

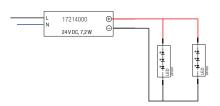
with strain relief not dimmable dimmable driver (DALI digital) on request.

		D	
77.3			
	T	9	

LED driver 24V / DC constant voltage, not dimmable







Specification

primary voltage: 120-370 V DC / 90-264 V DC, frequency: 50-60 Hz, (ta): -20° C - +40° C, (tc): max. 70° C,

dimensions: 68 mm x 35 mm x 21 mm, material: plastic housing

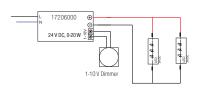
with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17214000	24 V DC	1-7.2 W

LED driver 24V / DC constant voltage, 1-10V dimmable (analogue)







Specification

primary voltage: 176-264 V DC / 90-264 V DC, frequency: 50-60Hz,

(ta): -25° C to +50° C, (tc): max. 80° C,

dimensions: 145 mm x 55 mm x 19 mm, material: plastic housing

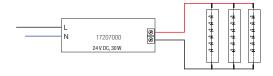
with strain relief 1-10 V dimmable (analog) dimming range 1-100 %

Article-no.	Secondary voltage	Power output
17206000	24 V DC	0-20 W

LED driver 24V / DC constant voltage, not dimmable







Specification

primary voltage: 140-370 V DC / 90-264 V AC, frequency: 50-60 Hz,

(ta): -20° C to +50° C, (tc): max. 75° C,

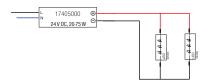
dimensions: 160 mm x 50 mm x 22 mm, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17207000	24 V DC	0-30 W



17405000 LED driver 24V / DC constant voltage, not dimmable





Specification

primary voltage: 200-240 V AC, frequency: 50-60 Hz, (ta): -20° C to +45° C, (tc): max. 80° C,

dimensions: 200 mm x 63 mm x 30 mm, material: plastic housing

with strain relief not dimmable

Article-no.	Secondary voltage	Power output
17405000	24 V DC	20-75 W













17220000 REG LED driver 24 V DC constant voltage, not dimmable



Specification

Primary voltage: 120 - 370 V DC / 85-264 V AC, 47-63 Hz ambient temperature (T_c): - 10° C - +40° C, dimensions [L x W x H]: 125.5 x 125.2 x 100 mm (7 division units), material: aluminium

not dimmable

Article no.	Secondary voltage	Output
17220000	24 V DC	120-240 W



17221000

REG LED driver 24V DC constant voltage, not dimmable



Specification

Primary voltage: 120-370 V DC / 180-264 V AC, 47-63 Hz

ambient temperature (T_a): -20° C - +50° C,

dimensions [LxWxH]: 227 mm x 125.2 mm x 100 mm (13 division units),

material: aluminium not dimmable

Article no.	Secondary voltage	Output
17221000	24 V DC	240-480 W

17208000 / 17209000 / 17210000

LED driver 24 V DC constant voltage, not dimmable











Specification

Primary voltage: 127 - 431 V DC / 90 - 305 V AC, 47-63 Hz secondary voltage: 24 V, electrical feeding (in / out): 300/300 mm ambient temperature (T_.):-40° C to +50° C, measuring point (T_.): max 95° C, material: aluminium

not dimmable

Article no.	Output	Dimensions [LxWxH]
17208000	50-100 W	220 x 68 x 39 mm
17209000	75-150 W	228 x 68 x 39 mm
17210000	120-240 W	244 x 68 x 39 mm

LED single dimmer











Specification

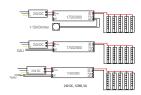
Voltage: 12-24 V DC, Power: max. 10 A, Output: max. 120 W / 240 W (12 V DC / 24 V DC), Dimensions: (L x W x H): 55 x 47.5 x 19 mm, Dimming interfaces: 1-10 V (active / passive) / Potentiometer (10 Ohm), Dimming range:10-100%, Fastening: DIN rail (REG / 3.5 horizontal pitches), Connection: screw terminals.

The single-channel control creates a PWM control signal for energizing LED with a constant voltage of 12 V DC / 24 V DC Product no.

17510000

Dimmer for 24V constant voltage, DALI / 1-10V dimmable push - button dimmer







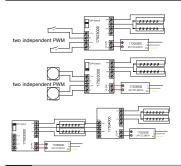
Specification

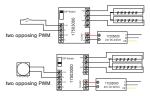
Dimmer for constant current 24 V DC, max. 5A (120 W), dimmable via DALI, 1-10 V, push-button, dimming range 1-100%

(ta): -20° to+45°, (tc): max. 55 °C, dimensions: 153 mm x 30 mm x 21 mm, material: plastic housing

Synchronisation of multiple units master/slave feasable per sync-link

Article-no.	Power output	
17502000	max. 120 W	





17503000 / 17504000 Tunable white LED double dimmer













Specification

Voltage: 12-24V DC, Power: max. 5A per channel, Output: max. 120W / 240W (12V DC / 24V DC),

Energisation: negative (common anode),

Adjustable dimming range: 1-10 V from 2-100% / switch from 10-100%

Dimensions (L x W x H): 57 x 52 x 21 mm, Connection through screw terminals (max. 2.5mm²). For fastening on DIN rail (REG / 3.5 horizontal pitches)

The 2-canal control occurs via two PWM control signals for energizing two separated channels or bi-colour LED modules in the white light range.

One of the following functions is locally adjustable via DIP switches:

1-10V Interface (active or passive): dimming range 2-100%

- Two independent dimming channels for two 1-10V interfaces
- Adjustable white light range (colour temperature) via a 1-10V interface
- Adjustable white light range (colour temperature) via one 1-10V, and dimming via the second 1-10V interface

Viet is a

Product no. Specification

17503000 LED double dimmer (Master)

17504000

Accessory: Slave LED double dimmer (output extension without dimming

Switch (control line / potential-free):

- Two independent dimming channels for two switches
- Adjustable white light range (colour temperature) via a switch
- Adjustable white light range (colour temperature) via the first switch and dimming via the second switch

LED power supply 12 VDC

LED power supply 12 VDC













Specification

LED power supply 12 V DC

12 V DC

prim. 200-240 V/50 Hz, with 2000 mm cable with euro-plug, sec. constant current 12 V DC, 2 x 75mm cable with low voltage plugs, power: 15 W,

(ta): -20 to 45° C, (tc): 80° C, ta: 45° C, dimensions: 123 mm x 39 mm x 19 mm,

Article-no. Power

17106000 15 W

LED power supply 12 V DC

Specification

prim. 220-240 V/50 Hz, with 2000 mm cable with euro-plug, sec. constant current 12 V DC, 2 x 150 mm cable with low voltage plugs, power: 30 W, ambient temperature: max. 50° C, dimensions: 184 mm x 48 mm x 19 mm

Article-no. Power

17110000 30W

connection line 2000 mm 12 V DC



6-fold splitter 12 V DC



Specification

6-time distributor

Article-no. 17107000

Specification

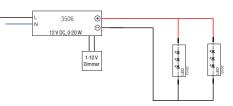
2000 mm connection line

Article-no. 17108000

LED driver 12 V DC constant voltage, 1-10 V dimmable (analogue)







Specification

primary voltage: 176-264 V / DC110-240 V AC, frequency: 50-60Hz,

ta: -25° to +50° C, tc: max. 80° C,

dimensions: 145mm x 55mm x 19mm, material: plastic

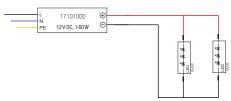
with strain relief 1-10 V dimmable (analog) dimming range 1-100 %

x Article-no.	Secondary voltage	Power output
3506	12 V DC	0-20 W

LED driver 12 V DC constant voltage, not dimmable







Specification

primary voltage: 127-417 V AC / 90-295 V AC, frequency: 47-63 Hz, electrical feeding (in / out): 290/290 mm,

ta: -30° to +50°, tc: max, 80°.

dimensions: 200 mm x 62 mm x 40 mm, material: aluminium

not dimmable

Article-no.	Secondary voltage	Power output
17101000	12 V DC	1-60 W

LED driver 12 V DC, constant voltage, not dimmable

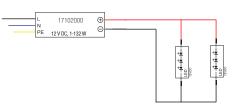












Specification

primary voltage: 127-417 V AC / 90-295 V AC, frequency: 50-60Hz,

electrical feeding (in / out): 300/300 mm,

ta: -30° bis +50°, tc: max. 80°,

dimensions: 233 mm x 68 mm x 39 mm, material: aluminium

Article-no.	Secondary voltage	Power output
17102000	12 V DC	1-132 W

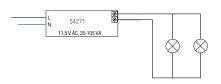
not dimmable

BRUMBERG





542... Electronic transformers 12 V AC





Specification

primary voltage: 220–240 V AC, frequency: 50 Hz, (ta): -20° C to +50° C, (tc): max. 75° C, material: plastic housing

with strain relief dimmable by trailing-edge phase dimmer

- independent transformer
- allowed for installation on wood
- protection against short circuit / overstress / overheating
- radio shielding according to EN 61000-3-3
- suppression of harmonic content in accordance to EN 61000-3-2
- soft start

Article-no.	Secondary voltage	Power output	dimensions
54271	2x 12 V AC	35-105VA	L 130 x B 43 x H 20
54281	2x 12 V AC	50-150VA	L 160 x B 46 x H 33

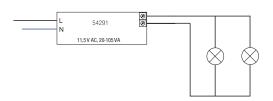
According to corresponding safety regulations, electronic transformers used in suspended ceilings, rosettes, covers, etc. must be installed in independent application.

In view of these requirements electronic transformers should be as small as possible to enable a trouble-free installation. With these lines BRUMBERG offers compact and for these purposes appropriate transformer.

Electronic transformer 20 - 105 VA / 12 V AC







Connection secondary up to 7 m!

Specification

primary voltage: 230-240 V AC, frequency: 50-60 Hz,

ta: to +40° C, tc: max. 85° C,

Maße: 128 mm x 37 mm x 28 mm, material: plastic housing

dimmable by trailing-edge and leading edge phase dimmer

Article-no.	Secondary voltage	Power output
54291	12 V AC	20-105 VA

- independent transformer
- approved for installation on wood
- protection against short circuit / overstress / overheating
- suppression of harmonic content in accordance to EN 61000-3-2
- heat-resistant polyamide
- connection primary side: Screw terminals 1 x 2-poles primary, 2,5 mm²
- connection secondary side: Screw terminals 1 x 2-poles secondary, 2,5 mm2
- connecting cable secondary up to 7 m possible

According to corresponding safety regulations, electronic transformers used in suspended ceilings, rosettes, covers, etc. must be installed in independent application.

In view of these requirements electronic transformers should be as small as possible to enable a trouble-free installation. With these lines BRUMBERG offers compact and for these purposes appropriate transformer.











536600 / 536400 clamp for low-voltage spots



Specification

refit clamp for low-voltage spots

536600 = for clip fastening, 2-pole clamp 2 x 2,5 mm strain relief 536400 = for plug- and socket device, 2-pole clamp 2 x 2,5 mm

strain relief

Article-no.

536600 536400

4







534800 / 536800 clamp for low-voltage spots



Specification

refit clamp for low-voltage spots

534800 = for clip fastening, with Wieland plug-and-socket device

ST 16

536800 = for plug- and socket device, with Wieland plug-andsocket device ST 16 Article-no.

534800 536800







535800 clamp for high-voltage spots



Conversion kit with high voltage socket GZ10 (QPAR-CB51)and double-sided strain relief. For conversion of certain low voltage spots (QRCBC51) to high voltage use. Please consult us to identify suitable spots

Article-no.

535800

spring fixation









535900 clamp for high-voltage spots

Specification

Conversion kit with high voltage socket GZ10 (QPAR-CB51) and double-sided strain relief. For conversion of certain low voltage spots (QRCBC51) to high voltage use. Please consult us to identify suitable spots

Article-no.

535900

plug socket fixation



High voltage version for built-in spots











Specification

High voltage version GU10 (QPAR51) (luminaire half-section) with supply line. Without strain relief.

Note: Strain and surge relief must be ensured on-site.



Article no.	Max. power
535500	50 W

534600 / 534700 / 532800

clamp for low-voltage spots



Specification

Circlips

534600 = GZ4 / 35 mm 534700 = GX5,3 / 51 mm

532800 = QPAR64 (art.no. 2164... und 2192...)

In orders please specify item number of luminaire.



Article-no.

534600

534700

532800

532500 / 532600

special springs for recessed spots to refit



Specification

springs for "Kaiser" mounting-box (for different spots on request)

532500 = short spring

532600 = flat spring

Article-no.

532500

532600

AMP-distributor low-voltage

AMP-line low-voltage





Specification

AMP-distributor 3x = Art. 536000 AMP-distributor 6x = Art. 536100

Article-no.

536000 536100

Specification

AMP-connection with plug and coupling length 1000 mm = Art. 536200 length 2000 mm = Art. 536500

Article-no.

536200 536500

reduction rings for recessed spots Article-no. Colour



Article-no. Colour

Article-no.	Colour	Article-no.	Colour
5301.00	brass	5303.00	brass
5301.02	chrome	5303.02	chrome
5301.07	white	5303.07	white
5301.22	stainl.st.*	5303.22	stainl.st.*
5302.00	brass	5304.00	brass
5302.02	chrome	5304.02	chrome
5302.07	white	5304.07	white
5302.22	stainl.st.*	5304.22	stainl.st.*

5305.00	brass
5305.02	chrome
5305.07	white
5305.22	stainl.st.*
5306.00	brass
5306.02	chrome
5306.07	white
5306.22	stainl.st.*

Specification

reduction rings for recessed spots

 $5301_+ = \emptyset$ 65,0 outside - Ø inside up to max. 47 mm 5302_+ = Ø 80,6 outside - Ø inside up to max. 63 mm $5303_+ = \emptyset$ 98,2 outside - Ø inside up to max. 80 mm 5304_+ = Ø 122,7 outside - Ø inside up to max. 106 mm 5305_+ = Ø 150,0 outside - Ø inside up to max. 129 mm

5306_+ = Ø 195,0 outside - Ø inside up to max. 170 mm

*material: stainless steel

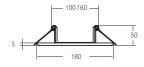
When ordering please specify:

- whether or not drilling holes are needed.

- the diameter of the central core



Standard reducer for spots





Specification

Standard reducer suitable for e.g. to 1963..., 2012...., 1053...., 1928.... or luminaires with outer dimension of 84 - 87 mm.

Ceiling opening: 100-160 mm, structure height: 5 mm

The final installation depth is determined by the spots used or the placement of the lights.

Specification

Article-no.	Colour	Material
81001070	white	steel

91396 top seller

High quality, black anodised aluminium presentation case in a plain design – for optimal presentation of recessed spots with high quality appearance for versatile and demanding applications in architecture.

Lights for the presentation are NOT removable. Not electrified.

Article-No.	Specification	Pieces
0063.25	recessed spots	1
1925.02	recessed spots	1
1963.15	recessed spots	1
2034.03	recessed spots	1
2062.07	recessed spots	1
2169.07	recessed spots	1
2191.22	recessed spots	1

91397 LED top seller

High quality, black anodised aluminium presentation case in a plain design – for optimal presentation of current LED recessed spots with modern elegance and high quality workmanship.

Lights for the presentation are removable. Ready to plug in.

Article-No.	Specification	Pieces
12090083	recessed spots	1
12090623	recessed spots	1
12265253	recessed spots	1
12266073	recessed spots	1
12361023	recessed spots	1
17612000	LED driver, 350 mA	5

91398 LED inserts

High quality, black anodised aluminium presentation case in a plain design – for optimal presentation of current LED basic high performance inserts with faceted reflector and clear front glass in warm white.

Inserts for the presentation are removable. Ready to plug in.

Article-No.	Specification	Pieces
12924003	MR16 High-Power-LED Lamp	1
12926003	MR16 High-Power-LED Lamp	1
12932003	MR16 High-Power-LED Lamp	1
12954003	MR16 High-Power-LED Lamp	1
17613000	I FD driver	2

91366 Fibre optics

A high quality sample case with restrained design for optimal presentation of the most fascinating type of lighting.

The case is equipped with two current LED laser sets. Ready to plug in.

Article-No.	Specification	Pieces
9513W	fibre starter kit I	1
9510W	fihre starter kit II	1

91379 vitaLED®smart

High quality sample case in a simple design – for optimal presentation of vitaLED® smart, the vitalizing 4-channel colour light system with an intelligent control system. Equipped with a current vitaLED® smart double set.

Lights for the presentation are removable. Ready to plug in.

Article-No.	Specification	Pieces
18333022	vitaLED®smart 2-fold basic kit	1

91395 QualityFlex®

High quality, black anodised aluminium presentation case in a plain design – for optimal presentation of current QualityFlex®.

Ready to plug in.

Article-No.	Specification	Pieces
15201003	LED flexible strip 4,8 W/m	1
15202027	LED flexible strip 9,6 W / m	1
15203004	LED flexible strip 14,4 W/m	1
15205005	LED flexible strip 19,2 W/m	1
15206027	LED flexible strip 28,8 W / m	1
17405000	LED driver	1

Present successfully – Premium quality presentation cases

Convince your customers of your services and BRUMBERG® lighting solutions. We will actively support you with professional premium quality presentation media.

High quality presentation cases for high quality products.

The high quality presentation cases in a plain design allow the exquisite quality of BRUMBERG® products to be experienced. The LED lights are integrated clearly and safely into the cases. For the individual BRUMBERG® systems, their own cases are available respectively. The lights can be removed (as far as technically possible) in order to show them in practical use on site for your customers. We will be happy to advise you.



91393 dim2warm

High quality, black anodised aluminium presentation case in a plain design - for optimal presentation of current dimming effects such as with the incandescent lamp. Warming candlelight ambience with LED spots.

Ready to plug in.

Article-No.	Specification	Pieces
12116073	recessed spots	1
12461073	recessed spots	1
17607000	LED driver 350 mA	2

91394 Shoplight

High quality, black anodised aluminium presentation case in a plain design – for optimal presentation of the current Shoplight concept.

Ready to plug in.

Specification	Pieces
Track Spot ModulMax	1
phase track 300mm	1
Light-Engine 3000 K BBL	1
Light-Engine 3500 K	1
Light-Engine 4000 K	1
Reflector angle 12°	1
Reflector angle 24°	1
Reflector angle 60°	1

LED - Technical data

Due to the permanent development of high-performance diodes operating with constant power, for diverse applications we can use a considerable increase in light efficiency in comparison to conventional light sources and a significant raise in efficiency up to 100 lumen per watt.

Serial connection

These LED are driven with constant current which is why multiple high performance LED have electrically to be stringed together in serial connection (all LED are driven by the same power "I").

A parallel connection of these constant power LED is impossible.

Parallel connection

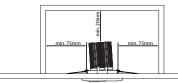
Products which the catalogue displays with 12V/24V are driven by constant voltage which is my multiple LED have electrically to be stringed together in parallel connection (all LED are driven by the same voltage "U").

Average Lifetime of an LED

Todays LED show an average lifetime of about 50.000 working hours at standard conditions. After this the LED is in fact not out of function but shows a luminous flux reduced to about 70%. Optimal conditions are achieved by the use of the available BRUMBERG components (driver, LED, luminaries) and well as an installation and operation corresponding to the BRUMBERG installation manuals.

Recommended mounting situation

The LED lights are not protected against humidity or dust. When using in situations with higher humidity or dust, make sure that each module is installed in an enclosure with appropriate protection. The LED lights should never be covered with any isolation material or anything similar. To avoid limiting the lifetime of the LED-lights, you should provide a circumferential clearance on all sides (see fig.1).



Mounting LED lights

Spots must be professionally installed by a competent person in accordance with DIN VDE 0100 Part 724 and Part 559. Also, DIN VDE 0108 and the Guidelines for Fire Protection (Electric Lights), Form 2005, issued by the Association of Property Insurers (VdS) eV Cologne must be observed. No liability claims will be entertained for spots that were not installed in accordance with European safety standards.

Safety instructions

Fire risk

The LED light is suitable for mounting on normally flammable surfaces, e.g. on wood and wood-based materials with more than 2 mm thickness. The enclosure must provide adequate space for the lights. The built-in LED light may not be covered by flammable materials.



Safe operation is only possible with constant external current/ voltage sources. Note the information on the lights' label.

To operate it is necessary to use constant current/ voltage drivers, for which the following protective measures should be ensured:

- Short circuit protection
- · Overload protection
- Overheating protection
- . SELV equivalent (Safety Extra Low Voltage)

LED - Binning

In contrary to ,conventional' illuminants as halogene or ceramic lamps, the LEDs possess different colour temperatures within the achromatic spectrum, as well as different wavelengths within the spectrum of the coloured LEDs. Precisely in the field of RGB colour mixtures, there are partly colour differences concerning wavelengths of up to about 20nm.

Furthermore, the single LEDs have diverse forward biases from 2,31V up to 3,99V. To ensure an operating voltage of 12V, particularly adapted resistors are used for the RGB conductor boards per LED colour (red, green + blue).

A third criterion for the selection of single LEDs is the luminous flux (lumen), respectively the luminous intensity (candela). In addition, an achromatic colour can only nearly be simulated by colour mixtures, but not be guaranteed, exactly.

As far as not agreed otherwise, for conductor boards delivered by us, we generally guarantee the following: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right)$

- · identical production lots per delivery
- identical wavelengths, respectively colour temperatures per delivery
- identical resistors which are particularly adapted per delivery

For projects with different construction stages it is absolutely essential to pay attention to this important fact on the customers side, to be able to ,bloc' concerning stocks.

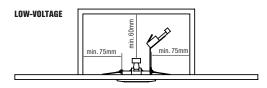
Driver instruction

The use of different driver types within the same switching group may cause varying activation times. We explicitly recommend to use only identical dimmable drivers with the same article number within the same switching group.

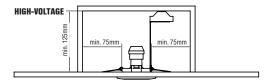
Installation instruction

Low-voltage and high-voltage spots have to be professionally mounted by an expert under installation instruction's conditions DIN VDE 0100 part 724 and part 559. Also, DIN VDE 0108 and the Guidelines for Fire Protection (Electric Lights), Form 2005, issued by the Association of Property Insurers (VdS) eV Cologne must be observed.

recommended mounting situation



Clamping units of non-fixed arranged lines have to be reliefed of strain and thrust. Appropriate clamps with strain relief can be found in the Brumberg catalogue's accessories range.



Keep attention to a proper fixation of the high-voltage clamp at the spot in order to ensure an appropriate strain relief.

Installation

Installation of lamps

It has to be noted that in the case of low-voltage lamps about 85% of the electric energy supplied is converted into thermal energy.

As a result temperatures higher than 500 $^{\circ}$ C at the bulb and higher than 200 $^{\circ}$ C at the reflector may occur.

Insertion of lighting fixtures

Lighting fixtures must not be damaged when inserted. The proper insertion into the socket is mandatory. The lamp must always be inserted into the socket shortly. It is mandatory to insert lighting fixtures only with correct electric data (socket, voltage, wattage). Defective lighting fixtures have to be replaced immediately, but only when switched off (it's recommended to use a new socket).

Increasing the lifespan of a lamp

A reduction in electric currency for lighting of 10-15% increases the lifespan of a lamp considerably. The maximum permitted voltage, e.g. 12V / 24V, must under no circumstance be exceeded at the lighting fixtures. An even voltage drop in the wires leading to the lighting fixtures has to be ensured.

The measures for downlights indicated in the catalogue state the measures of the light and the bulb. The particular built-in standards in reference to the built-in depths must be followed.

ArtNo.	Page
0063.07	68
0063.25	68
0063.63	68
0063.64	68
0064.00	70
0065.07	69
0065.25	69
0065.63	69
0065.64	69
0066.00	71
0067.25	128
0068.25	128
0069.25	96
0070.25	96
0210.02	189
0232.02	188
0232.03	188
0282.00	150
0283.00	150
0284.00	158
0286.00	158
0289.00	189
10003013	306
10003073	306
10003153	306
10004260	306
10005260	306
10009425	623
10011223	299
10011225	299
10012173	356. 621
10012223	299
10012225	299
10013103	353. 620
10013173	353. 620
10014173	357
10015173	296
10016173	296
10020173	351

ArtNo.	Page
10021173	351
10030173	612
10030183	612
10030693	612
10031173	621
10031183	621
10032183	349
10033103	353. 620
10033173	353. 620
10034173	612
10034183	612
10034693	612
10035153	289
10045173	363
10045253	363
10046173	363
10046253	363
10048173	346
10051173	348
10052173	348
10053173	349
10054253	292
10055253	293
10056173	356
10057173	297
10058173	297
10063173	288
10065173	288
10065253	295
10066223	295
10069173	362
1009.00	103
10128203	291
10128205	291
10128206	291
10128207	291
10128208	291
10128209	291
10129203	291

Art No.	Page	
10129205	291	
10129206	291	
10129207	291	
10129208	291	
10129209	291	
10140203	302	
10140205	302	
10140206	302	
10140207	302	
10140208	302	
10140209	302	
10141203	302	
10141205	302	
10141206	302	
10141207	302	
10141208	302	
10141209	302	
1026.02	130	
1026.03	130	
1026.07	130	
1052.07	154	
1053.00	95	
1053.02	95	
1053.03	95	
1053.04	95	
1053.07	95	
1055.07	228	
1055.22	228	
1085.07	122	
1085.08	122	
1086.07	122	
1086.08	122	
1180.22	232. 582	
1181.22	233. 583	
1190.07	240	
1190.20	240	
1190.22	240	
1190.42	585	
1191.07	239	

91.22	rt No.	Page	Art No.	Page
91.42 585 12039173 327 92.20 241 12040173 324 92.22 241 12043150 133 004223 212.576 12041150 133 005223 213.577 12051173 179 007073 335 12052173 179 007073 334 12053173 181 0099073 334 12054173 181 010073 335 12055073 333 012253 149 12060173 326 013073 531 12061073 322 013083 531 12061073 322 015073 192 1206173 322 016073 192 1206173 325 017073 193 12064173 325 017073 193 12064173 323 019083 531 12065173 325 019073 531 12065173 325 019073 531 12065173 325 019073 531 12065173 325 019073 531 12065173 325 019073 531 12065173 325 019073 531 12065173 325 020173 326 12069553 64 026073 204 12070253 184 0226073 204 12070253 184 0227153 251 12071023 184 0228173 328 12071073 184 0229173 328 12071073 184 0229173 328 12071073 184 0229173 328 12071073 184 0229173 328 12071073 184 0229173 328 12071073 184 0229173 328 12071073 383 030003 195 12072183 337 030005 195 12073183 337 030005 195 12073183 338 030223 178 12074183 338 033023 207 12076173 336 030553 144 12079073 252 035553 144 12079073 176.253 036553 144 12079073 176.253 036553 145 12083173 332	191.20	239	12037173	329
92.20 241 12040173 324 92.22 241 12043150 133 004223 212.576 12044150 133 005223 213.577 12051173 179 007073 335 12052173 179 008073 334 12053173 181 010073 335 12055073 333 012253 149 12060173 326 013073 531 12060174 326 013083 531 12061073 322 015073 192 12062173 322 015073 192 12063173 325 017073 193 1206173 325 017073 193 12064173 323 019073 531 12067173 325 019073 531 12067173 325 019073 531 1206173 327 020173 326 12069173 326 0206073	1191.22	239	12038173	329
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1033023 207 12076173 336 1034023 207 12077173 336 1035173 144 12078073 252 1035553 144 12078253 252 1035753 144 12079023 176.253 1035853 144 12079073 176.253 1036173 145 12079193 176.253 1036553 145 12083173 332 1036753 145 12090073 250	12031023	178	12074183	338
1034023 207 12077173 336 1035173 144 12078073 252 1035553 144 12078253 252 1035753 144 12079023 176. 253 1035853 144 12079073 176. 253 1036173 145 12079193 176. 253 1036553 145 12083173 332 1036753 145 12090073 250	2032023	178	12075183	338
035173 144 12078073 252 035553 144 12078253 252 035753 144 12079023 176.253 035853 144 12079073 176.253 036173 145 12079193 176.253 036553 145 12083173 332 036753 145 12090073 250	12033023	207	12076173	336
035553 144 12078253 252 035753 144 12079023 176.253 035853 144 12079073 176.253 036173 145 12079193 176.253 036553 145 12083173 332 036753 145 12090073 250	12034023	207	12077173	336
035753 144 12079023 176. 253 035853 144 12079073 176. 253 036173 145 12079193 176. 253 036553 145 12083173 332 036753 145 12090073 250	12035173	144	12078073	252
035853 144 12079073 176.253 036173 145 12079193 176.253 036553 145 12083173 332 036753 145 12090073 250	12035553	144	12078253	252
1036173 145 12079193 176.253 1036553 145 12083173 332 1036753 145 12090073 250	12035753	144	12079023	176. 253
036553 145 12083173 332 036753 145 12090073 250	12035853	144	12079073	176. 253
036753 145 12090073 250	12036173	145	12079193	176. 253
	12036553	145	12083173	332
036853 145 12090083 250	12036753	145	12090073	250
	12036853	145	12090083	250

ArtNo.	Page
12090623	250
12091263	250
12092263	250
12093263	251
12093264	251
12093265	251
12098553	65
12099553	65
12105073	138
12106063	139
12106073	139
12106253	139
12107073	138
12108063	139
12108073	139
12108253	139
12109023	247
12109153	247
12110023	247
12110153	247
12116073	45
12116253	45
12127023	248
12127153	248
12128023	248
12128153	248
12129023	249
12129153	249
12130023	249
12130153	249
12132073	272
12132253	272
12133073	272
12133253	272
12141023	76
12141033	76
12141053	76
12141073	76
12141153	76

Art No.	Page	
12142023	77	
12142033	77	
12142053	77	
12142073	77	
12142153	77	
12143073	68	
12143253	68	
12143633	68	
12143643	68	
12144073	69	
12144253	69	
12144633	69	
12144643	69	
12145023	81	
12145053	81	
12145073	81	
12145153	81	
12145173	81	
12145203	81. 236	
12145223	81. 236	
12145273	81. 236	
12146023	83	
12146053	83	
12146073	83	
12146263	83	
12147223	232. 582	
12148223	233. 583	
12149023	215	
12149073	215	
12149253	215	
12151023	220	
12152253	208	
12153253	209	
12156193	217. 581	
12156203	217. 581	
12157073	264	
12157253	264	
12158073	265	
12158253	265	

Art No.	Page	
12159073		
	267	
12159253	267	
12161253	260	
12162253	261	
12163253	263	
12169023	176	
12169073	176	
12169153	176	
12171153	251	
12172073	192	
12173073	192	
12174073	193	
12175073	193	
12180023	80	
12180033	80	
12180053	80	
12180073	80	
12180083	80	
12181003	87	
12181023	87	
12181033	87	
12181073	87	
12182023	86	
12182073	86	
12182153	86	
12182223	237	
12184023	149	
12184053	149	
12184253	149	
12185253	74	
12186253	75	
12187253	70	
12188253	71	
12189023	89	
12189073	89	
12189153	89	
12190253	91	
12192253	90	
12193073	239	
12 100010	200	

ArtNo.	Page	
12193203	239	
12193223	239	
12194073	238	
12194203	238	
12194223	238	
12195423	234. 578	
12196423	235. 579	
12197003	94	
12197013	94	
12197023	94	
12197033	94	
12197043	94	
12197073	94	
12198003	95	
12198023	95	
12198033	95	
12198043	95	
12198073	95	
12199253	219	
12231073	51	
12231253	51	
12232073	51	
12232253	51	
12251023	52. 246	
12251073	52. 246	
12251253	52. 246	
12251633	52. 246	
12251643	52. 246	
12252023	52. 246	
12252073	52. 246	
12252253	52. 246	
12252633	52. 246	
12252643	52. 246	
12261023	48. 244	
12261073	48. 244	
12261253	48. 244	
12261633	48. 244	
12261643	48. 244	
12262023	49. 245	

Art No.	Page
12262073	49. 245
12262253	49. 245
12262633	49. 245
12262643	49. 245
12263253	53
12265253	53
12266073	205
12266083	205
12267073	205
12267083	205
12268073	206
12268153	206
12268683	206
12269073	206
12269153	206
12269683	206
12270173	200
12270183	200
12273073	201
12274553	201
2281073	55
12291023	54
12291073	54
12291153	54
12292023	54
12292073	54
12292153	54
12301023	218
12301053	218
12301253	218
12302253	210
12303023	79
12303033	79
12303053	79
12303073	79
12304003	84
12304023	84
12304073	84
12304153	84

Art No.	Page
12923003	371
12923004	371
12924003	371
12925003	371
12925004	371
12926003	371
12931003	372
12932003	372
12953003	372
12953004	372
12954003	372
12963003	370
12965003	370
13006023	203
13006033	203
13007023	203
13007033	203
13016023	57
13016033	57
13017023	57
13017033	57
13026173	59
13027173	59
13253073	58
13253153	58
13253683	58
13255073	58
13255153	58
13255683	58
13333003	140
13334003	141
13335003	140
13336003	141
13337003	141
13338003	141
1355.00	228
1355.02	228
1355.07	228
1355.22	228

Art No.	Page
14007223	595
14011223	602
14014223	593
14016223	593
14017223	594
14018223	594
14019223	595
14021223	590
14022223	590
14023223	591
14024223	591
14025223	592
14026223	592
14030083	588
14031083	589
14901223	316. 317
14033083	588
14034083	589
15031260	507
15032260	507
15071260	512
15072260	512
15201003	468
15201004	468
15201005	468
15201006	468
15201007	468
15201008	468
15201009	468
15201027	468
15202003	470
15202004	470
15202005	470
15202027	470
15203001	378. 482
15203003	472
15203004	472
15203005	472
15203027	472

ArtNo.	Page
15204003	474
15204004	474
15204005	474
15204027	474
15205003	476
15205004	476
15205005	476
15205027	476
15206003	478
15206004	478
15206005	478
15206027	478
15215004	480
15221003	468
15221004	468
15221005	468
15221027	468
15222003	470
15222004	470
15222005	470
15222027	470
15223001	378. 482
15223003	472
15223004	472
15223005	472
15223027	472
15271003	468
15271004	468
15271005	468
15271006	468
15271007	468
15271008	468
15271009	468
15271027	468
15272003	470
15272004	470
15272005	470
15272027	470
15273001	378. 482

Art No.	Page
15273003	472
15273004	472
15273005	472
15273027	472
15331000	507
15401000	505
15405070	508
15405260	508
5406000	508
5408070	513
5408260	513
15409070	513
15409260	513
15410070	513
15410260	513
5411000	513
15450070	508
15450260	508
5460070	508
5460260	508
5541260	506
15542260	506
5545000	506
15701260	502
15702260	502
15704000	502. 503
15704070	502. 503
15705000	502. 503
15705070	502. 503
15707260	502
15708260	502
15709260	502
15711260	508
15712260	508
15714070	497
15715070	497
15720000	519
15721000	519
15721260	508

ArtNo.	Page
15912260	503
15933000	511
15934000	510. 511
15934070	510. 511
15934990	510. 511
15935000	510. 511
15935070	510. 511
15935990	510. 511
15938000	510. 511
15941260	510
15942260	510
15947000	510
15948000	510. 511
15949000	510
15951260	511
15952260	511
15957000	511
15971260	509
15972260	509
15974000	509
15974070	509
15975000	509
15975070	509
15978000	509
15998260	509
15999260	509
17101000	644
17102000	644
17106000	643
17107000	643
17108000	643
17110000	643
17206000	514.640
17207000	640
17208000	515.642
17209000	515. 642
17210000	515. 642
17214000	640
17220000	515.642
17221000	515. 641

Art No.	Page	
17405000	515. 641	
17502000	642	
17503000	643	
17504000	643	
17505000	517	
17506000	517	
17507000	517	
17508000	517	
17509000	517	
17510000	642	
17605000	629	
17607000	631	
17608000	631	
17609000	630	
17612000	628	
17613000	628	
17614000	629	
17615000	629	
17617000	630	
17619000	630	
17628000	631	
17666000	628	
17704000	634	
17705000	634	
17706000	635	
17707000	635	
17708000	636	
17709000	635	
17712000	634	
17726000	636	
17805000	638	
17807000	638	
17808000	638	
17810000	639	
17815000	633	
17817000	633	
17818000	633	
18101001	380	
18102001	386	
18110251	382	

Art No.	Page
18111251	382
18112221	383
18113221	383
18115071	384
18116071	384
18117071	384
18118071	385
18119251	387
18120251	387
18126221	388
18127221	388
18130001	385
18131201	390
18132201	390
18133201	391
18135111	391
18136000	391
18140171	389
18140201	389
18141171	389
18141201	389
18145021	381
18145051	381
18145071	381
18145151	381
18145171	381
18145201	381
18145221	381
18145271	381
18151000	516
18152000	516
18153000	516
18154000	516
18161000	516
18162000	516
18163000	516
18164000	516
18186000	395
18187000	392. 517
18188000	392. 517

Art No.	Page
18189000	392. 517
18192000	394
18193000	394
18194070	395
18194080	395
18195000	394
18300000	446
18301000	446
18302000	447
18303000	447
18304070	450
18304080	450
18304220	450
18304250	450
18305070	450
18305080	450
18305220	450
18305250	450
18306070	451
18306080	451
8306220	451
18306250	451
18307070	451
18307080	451
18307220	451
18307250	451
18309000	452
18310000	452
18312000	448
18313000	452
18314000	449
18318000	456
18319000	456
18333022	417
18333152	417
18334022	417
18334152	417
18335072	418
18335252	418

Art No.	Page
18421172	430
18421182	430
18421672	430
18422022	424
18422152	424
18423022	431
18424252	432
18425252	432
18426072	425
18426252	425
18427072	425
18427252	425
18428022	426
18428052	426
18428072	426
18428092	426
18428152	426
18429022	426
18429052	426
18429072	426
18429092	426
18429152	426
18430022	433
18430072	433
18430152	433
18431252	428
18432202	431
18433022	428
18433072	428
18433252	428
18434002	429
18435022	434
18500172	442
18500182	442
18501222	443
18502222	443
18503002	444. 484
18505002	442
18508082	423

ArtNo.	Page
18509082	423
18523002	444. 484
18596000	434
18597000	434
18900000	459
18901000	459
18902000	459
18903000	459
18904000	459
18905000	459
18906000	459
18907000	434
18908000	434
18909000	459
1920.02	106
1920.03	106
1920.07	106
19201903	486
19201904	486
19201905	486
19201927	486
19202903	488
19202904	488
19202905	488
19202927	488
19203903	490
19203904	490
19203905	490
19203927	490
19221903	486
19221904	486
19221905	486
19221927	486
19222903	488
19222904	488
19222905	488
19222927	488
19223903	490
19223904	490

ArtNo.	Page
19223905	490
19223927	490
1924.02	152
1924.07	152
1924.15	152
1924.42	585
1925.02	81
1925.05	81
1925.07	81
1925.15	81
1925.17	81
1925.20	81. 236
1925.22	81. 236
1925.27	81. 236
1925.42	584
1926.02	159
1926.07	159
19261903	486
19261904	486
19261905	486
19261927	486
19262903	488
19262904	488
19262905	488
19262927	488
19263903	490
19263904	490
19263905	490
19263927	490
1927.05	129
1927.07	129
1927.15	129
1928.02	122
1928.07	122
1928.15	122
1930.02	158
1930.05	158
1930.15	158
1936.02	83

Art No.	Page
1936.05	83
1936.07	83
1936.26	83
1937.00	103
1938.02	100
1938.05	100
1938.07	100
1938.15	100
1939.02	100
1939.05	100
1939.07	100
1939.15	100
1960.02	156
1960.15	156
1961.02	156
1961.15	156
1963.02	76
1963.03	76
1963.05	76
1963.07	76
1963.15	76
1964.02	77
1964.03	77
1964.05	77
1964.07	77
1964.15	77
1965.02	157
1965.15	157
1966.02	157
1966.15	157
1996.02	86
1996.07	86
1996.15	86
1996.22	237
1996.51	101
1998.02	101
1998.07	101
1998.15	101
2000.00	87

Art No.	Page	
2000.02	87	
2000.03	87	
2000.07	87	
20001070	264	
20001250	264	
20002070	265	
20002250	265	
20003070	267	
20003250	267	
20004070	268	
20004250	268	
20005070	268	
20005250	268	
20006070	269	
20006250	269	
20012020	99	
20012070	99	
20012250	99	
20013020	99	
20013070	99	
20013250	99	
20014070	272	
20015070	272	
20023020	107	
20023070	107	
20023150	107	
20024020	107	
20024070	107	
20024150	107	
20028020	155	
20031020	72	
20031050	72	
20031150	72	
20031170	72	
20031180	72	
20031670	72	
20032020	73	
20032050	73	
20032150	73	

ArtNo.	Page
20032170	73
20032180	73
20032670	73
2012.07	97
2017.02	154
2017.03	154
2017.04	154
2017.07	154
2019.02	129
2019.03	129
2019.07	129
2020.00	188
2020.02	188
2020.03	188
2020.07	188
2030.02	188
2030.03	188
2030.05	188
2030.07	188
2031.02	189
2031.03	189
2031.05	189
2031.07	189
2033.02	153
2033.03	153
2033.05	153
2033.07	153
2034.02	80
2034.03	80
2034.05	80
2034.07	80
2034.08	80
2037.00	256
2037.02	256
2037.03	256
2037.07	256
2037.22	256
2050.02	97
2050.03	97

2050.04 97 2050.07 97 2052.00 98 2052.02 98 2052.03 98 2052.07 98 2062.02 215 2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.05 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150 2087.02 159
2052.00 98 2052.02 98 2052.07 98 2052.07 98 2062.02 215 2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2052.02 98 2052.03 98 2052.07 98 2062.02 215 2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2052.03 98 2052.07 98 2062.02 215 2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2052.07 98 2062.02 215 2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2062.02 215 2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2062.07 215 2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.07 150
2062.25 215 2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.07 150
2067.00 94 2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.07 150 2082.07 150
2067.01 94 2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.03 150 2082.07 150
2067.02 94 2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2067.03 94 2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.07 150
2067.04 94 2067.07 94 2070.02 255 2070.03 255 2070.05 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2082.00 150 2082.02 150 2082.07 150 2082.07 150
2067.07 94 2070.02 255 2070.03 255 2070.05 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2070.02 255 2070.03 255 2070.05 255 2070.07 255 2073.02 255 2073.03 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2070.03 255 2070.05 255 2070.07 255 2073.02 255 2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2070.05 255 2070.07 255 2073.02 255 2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2070.07 255 2073.02 255 2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2073.02 255 2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2073.03 255 2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2073.05 255 2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2073.07 255 2082.00 150 2082.02 150 2082.03 150 2082.07 150
2082.00 150 2082.02 150 2082.03 150 2082.07 150
2082.02 150 2082.03 150 2082.07 150
2082.03 150 2082.07 150
2082.07 150
2087.02 159
2087.03 159
2087.07 159
2089.00 130
2089.03 130
2093.02 98
2093.03 98
2093.05 98
2093.07 98
2094.25 154
2103.02 159
2103.03 159

Art No.	Page	
2103.05	159	
2103.07	159	
2110.02	92	
2110.05	92	
2110.07	92	
2110.09	92	
2110.15	92	
2111.02	93	
2111.05	93	
2111.07	93	
2111.09	93	
2111.15	93	
2117.02	152	
2117.03	152	
2117.07	152	
2132.07	124	
2139.02	123	
2139.03	123	
2139.07	123	
2147.15	155	
2160.02	224	
2160.25	224	
2162.25	219	
2164.02	133	
2164.03	133	
2164.07	133	
2169.02	79	
2169.03	79	
2169.05	79	
2169.07	79	
2170.02	149	
2170.05	149	
2170.25	149	
2174.25	123	
2178.02	218	
2178.05	218	
2178.25	218	
2180.25	224	
2186.25	91	

ArtNo.	Page
2188.25	210
2190.07	240
2190.20	240
2190.22	240
2191.07	238
2191.20	238
2191.22	238
2192.03	133
22007020	225
22008020	225
2203.02	153
2203.03	153
2204.02	102
2204.03	102
2204.05	102
2204.07	102
2218.25B	111
2218.25W	111
2219.25B	111
2219.25W	111
2220.25B	112
2220.25WW	112
2221.25B	112
2221.25WW	112
2225.25WW	113
2225.42	584
2264.22	229
2269.15	252
2274.22	226
2284.02B	127
2284.02G	127
2284.02R	127
2284.02W	127
2284.02Y	127
2288.02B	127
2288.02G	127
2288.02R	127
2288.02W	127
2288.02Y	127

ArtNo.	Page
2289.02	227
2289.15	227
2295.00	84
2295.02	84
2295.07	84
2295.15	84
2296.02	85
2296.07	85
2296.15	85
2310.22	223
2315.22	608
2315LED	609
2316.22	608
2316LED	609
2337.42	234. 578
2338.42	235. 579
2339.42	216. 580
2350.02	153
2350.03	153
2350.05	153
2350.07	153
2351.02	98
2351.03	98
2351.05	98
2351.07	98
2358.00	254
2358.02	254
2358.07	254
2358.15	254
2359.00	254
2359.02	254
2359.07	254
2359.15	254
24002020	89
24002070	89
24002150	89
2455.02	253
2455.05	253
2455.26	253

ArtNo.	Page	
33153253	209	
33156193	217. 581	
33156203	217. 581	
33157073	264	
33157253	264	
33158073	265	
33158253	265	
33159073	267	
33159253	267	
33161253	260	
33162253	261	
33163253	263	
33180023	80	
33180033	80	
33180053	80	
33180073	80	
33180083	80	
33181003	87	
33181023	87	
33181033	87	
33181073	87	
33182023	86	
33182073	86	
33182153	86	
33182223	237	
33182513	101	
33184023	149	
33184053	149	
33184253	149	
33185253	74	
33186253	75	
33187253	70	
33188253	71	
33189023	89	
33189073	89	
33189153	89	
33190253	91	
33192253	90	
33193073	239	

Art No.	Page	
33193203	239	
33193223	239	
33194073	238	
33194203	238	
33194223	238	
33195423	234. 578	
33196423	235. 579	
33197003	94	
33197013	94	
33197023	94	
33197033	94	
33197043	94	
33197073	94	
33198003	95	
33198023	95	
33198033	95	
33198043	95	
33198073	95	
33199253	219	
33231073	51	
33231253	51	
33232073	51	
33232253	51	
33251023	52. 246	
33251073	52. 246	
33251253	52. 246	
33251633	52. 246	
33251643	52. 246	
33252023	52. 246	
33252073	52. 246	
33252253	52. 246	
33252633	52. 246	
33252643	52. 246	
33261023	48. 244	
33261073	48. 244	
33261253	48. 244	
33261633	48. 244	
33261643	48. 244	
33262023	49. 245	

Art No.	Page
33262073	49. 245
33262253	49. 245
33262633	49. 245
33262643	49. 245
33263253	53
33265253	53
33291023	54
33291073	54
33291153	54
33292023	54
33292073	54
33292153	54
33301023	218
33301053	218
33301253	218
33302253	210
33303023	79
33303033	79
33303053	79
33303073	79
33304003	84
33304023	84
33304073	84
33304153	84
33305023	85
33305073	85
33305153	85
33306423	216. 580
33307023	99
33307073	99
33307253	99
33308023	99
33308073	99
33308253	99
33309253	96
33310253	96
33312073	97
33313023	97
33313033	97

Art No.	Page
33313043	97
33313073	97
33314003	98
33314023	98
33314033	98
33314073	98
33315023	100
33315053	100
33315073	100
33315153	100
33316023	100
33316053	100
33316073	100
33316153	100
33318023	101
33318073	101
33318153	101
33319023	102
33319033	102
33319053	102
33319073	102
33321003	103
33323253	109
33324253	109
33326023	92
33326053	92
33326073	92
33326093	92
33326153	92
33327023	93
33327053	93
33327073	93
33327093	93
33327153	93
33331023	72
33331053	72
33331153	72
33331173	72
33331183	72
20001.00	

ArtNo.	Page	
36143070	68	
36143250	68	
36143630	68	
36143640	68	
36144070	69	
36144250	69	
36144630	69	
36144640	69	
36145020	81	
36145050	81	
36145070	81	
36145150	81	
36145170	81	
36145200	81. 236	
36145220	81. 236	
36145270	81. 236	
36146020	83	
36146050	83	
36146070	83	
36146260	83	
36147220	232. 582	
36148220	233. 583	
36149020	215	
36149070	215	
36149250	215	
36156190	217. 581	
36156200	217. 581	
36180020	80	
36180030	80	
36180050	80	
36180070	80	
36180080	80	
36181000	87	
36181020	87	
36181030	87	
36181070	87	
36182510	101	
36185250	74	
36186250	75	

Art No.	Page
36187250	70
36188250	71
36189020	89
36189070	89
36189150	89
36190250	91
36192250	90
36195420	234, 578
36196420	235. 579
36198000	95
36198020	95
36198030	95
36198040	95
36198070	95
36303020	79
36303030	79
36303050	79
36303070	79
36304000	84
36304020	84
36304070	84
36304150	84
36305020	85
36305070	85
36305150	85
36306420	216. 580
36307020	99
36307070	99
36307250	99
36308020	99
36308070	99
36308250	99
36309250	96
36310250	96
36312070	97
36313020	97
36313030	97
36313040	97
36313070	97

ArtNo.	Page	
36314000	98	
36314020	98	
36314030	98	
36314070	98	
36315020	100	
36315050	100	
36315070	100	
36315150	100	
36316020	100	
36316050	100	
36316070	100	
36316150	100	
36318020	101	
36318070	101	
36318150	101	
36319020	102	
36319030	102	
36319050	102	
36319070	102	
36321000	103	
36331020	72	
36331050	72	
36331150	72	
36331170	72	
36331180	72	
36331670	72	
36332020	73	
36332050	73	
36332150	73	
36332170	73	
36332180	73	
36332670	73	
36340000	103	
36341020	107	
36341070	107	
36341150	107	
36342020	107	
36342070	107	
36342150	107	

ArtNo.	Page	
36343020	106	
36343030	106	
36343070	106	
36344255	111	
36344258	111	
36345255	111	
36345258	111	
36346253	112	
36346258	112	
36347253	112	
36347258	112	
36348253	113	
37001190	217. 581	
37001200	217. 581	
37002150	223	
37003250	208	
37004250	209	
3701	304	
3702	304	
3711	315	
3712	315	
3713	315	
3714	315	
3715	315	
3807	603	
3835	632	
3836	632	
3837	632	
3838	637	
3839	637	
3840	637	
3900W	314	
3900WW	314	
3901W	314	
3901WW	314	
40510223	169	
40511223	169	
40515073	162	
40515074	162	

ArtNo.	Page
40516073	163
40516074	163
40517073	163
40517074	163
40523073	164
40524073	164
40526073	164
40527073	165
40535073	165
40536073	165
40601074	173
40602074	173
40603074	173
43003250	284
43004250	284
44005000	277
44006000	277
44007000	276
44008000	276
46001020	270
46001170	270
46004020	270
46004170	270
46007020	271
46007170	271
46010020	271
46010170	271
46301170	343
46304170	343
48201084	565
48202081	566
48210004	550
48211005	550
48211006	550
48211007	550
48211008	550
48211009	550
48212034	560
48212054	560

ArtNo.	Page
48212154	560
48213034	560
48213054	560
48213154	560
48214034	561
48214054	561
48214154	561
48221001	552
48222001	553
48224001	553
48290000	571
500940W	357
512411	273
512412	273
512474	272
512475	272
512541	260
512542	261
512543	263
512761	124
512811	109
512812	109
522941	310
522942	310
5301.00	649
5301.02	649
5301.07	649
5301.22	649
5302.00	649
5302.02	649
5302.07	649
5302.22	649
5303.00	649
5303.02	649
5303.07	649
5303.22	649
5304.00	649
5304.02	649
5304.07	649

ArtNo.	Page
5304.22	649
5305.00	649
5305.02	649
5305.07	649
5305.22	649
5306.00	649
5306.02	649
5306.07	649
5306.22	649
532500	648
532600	648
532800	648
534600	648
534700	648
534800	647
535500	648
535800	647
535900	647
536000	649
536100	649
536200	649
536400	647
536500	649
536600	647
536800	647
5370.02	255
5370.03	255
5370.05	255
5370.07	255
5372.22	256
5387	92. 93
5388	92. 93
5397	92. 93
5398	92. 93
5399	92. 93
54271	645
54281	645
54291	646
5740.00	156

Art No.	Page	
5741.00	156	
5745.00	157	
5746.00	157	
5760.00	106	
60002173	624	
60002183	624	
60017173	615	
60017183	615	
60018173	615	
60018183	615	
60023183	625	
60024183	625	
60025183	618	
60026183	618	
60037173	616	
60037183	616	
60038173	616	
60038183	616	
60102223	610	
60103223	607	
60104183	607	
60106083	610	
60205183	587	
60206183	587	
60207183	586	
60208183	586	
75031260	507	
75071260	512	
75201003	468	
75201004	468	
75201005	468	
75201006	468	
75201007	468	
75201008	468	
75201009	468	
75201027	468	
75202003	470	
75202004	470	
75202005	470	

Art No.	Page
75202027	470
75203001	378. 482
75203003	472
75203004	472
75203005	472
75203027	472
75204003	474
75204004	474
75204005	474
75204027	474
75205003	476
75205004	476
75205005	476
75205027	476
75206003	478
75206004	478
75206005	478
75206027	478
75215004	480
75221003	468
75221004	468
75221005	468
75221027	468
75222003	470
75222004	470
75222005	470
75222027	470
75223001	378. 482
75223003	472
75223004	472
75223005	472
75223027	472
75271003	468
75271004	468
75271005	468
75271006	468
75271007	468
75271008	468
75271009	468

272003 470 75934000 510.511 272004 470 75934070 510.511 272005 470 75934990 510.511 272027 470 75941260 510 273001 378.482 75951260 511 273003 472 75974000 509 273005 472 75974070 509 273027 472 75991000 494.512 2630002 444.484 7599000 378.444.468.490 261260 506 75999000 378.444.468.490 270400 502 76201903 486 270400 502.503 76201903 486 270400 502.503 76201904 486 271260 508 76201905 486 271260 508 76201905 488 271260 508 76202903 488 2721260 508 76202905 488 2721260 508 76202905 488 <th>Art No.</th> <th>Page</th>	Art No.	Page
272004 470 75934070 510.511 272005 470 75934990 510.511 272027 470 75941260 510 273001 378.482 75951260 511 273003 472 75974000 509 273005 472 75974070 509 273027 472 75991000 494-512 503002 444.484 7599000 378.444.468-490 504002 444.484 7599000 378.444.468-490 504000 502 76201903 486 704000 502.503 76201903 486 704070 502.503 76201904 486 704070 502.503 76201905 486 71260 508 76201907 486 721260 508 76201907 488 731260 508 76202903 488 731260 508 76202905 488 731260 508 76202907 488	75271027	468
272005 470 75934990 510.511 272027 470 75941260 510 273001 378.482 75951260 511 273003 472 75971260 509 273004 472 75974070 509 273027 472 75991000 494-512 503002 444.484 75992000 494-511 523002 444.484 75998000 378.444.468-490 501260 506 7599900 378.444.468-490 501260 502 76201903 486 704000 502.503 76201904 486 704070 502.503 76201905 486 711260 508 76201927 486 7121260 508 76202903 488 731260 508 76202905 488 731260 508 76202907 488 731260 508 76203903 490 741260 496 76203903 490	75272003	470
272027 470 75941260 510 273001 378.482 75951260 511 273003 472 75971260 509 273004 472 75974070 509 273027 472 75991000 494 - 512 273022 444.484 75992000 494 - 511 263002 444.484 75998000 378.444.468 - 490 2641260 506 75999000 378.444.468 - 490 2641260 506 75999000 378.444.468 - 490 2641260 506 75999000 378.444.468 - 490 2641260 502 76201903 486 261260 502 76201903 486 2704000 502.503 76201904 486 271260 508 76201927 486 2721260 508 76202903 488 2731260 508 76202904 488 2731260 508 76202907 488 2731260 508 <t< td=""><td>75272004</td><td>470</td></t<>	75272004	470
273001 378.482 75951260 511 273003 472 75971260 509 273004 472 75974000 509 273005 472 75991000 494-512 273027 472 75991000 494-512 203002 444.484 75992000 494-511 203002 444.484 75998000 378.444.468-490 201260 506 75999000 378.444.468-490 201260 502 76201903 486 201260 502 76201903 486 201260 503 76201904 486 201260 508 76201905 486 201260 508 76201907 486 201260 508 76202903 488 201260 508 76202903 488 201260 508 76202904 488 201260 508 76202905 488 201260 508 76202907 488 <td>75272005</td> <td>470</td>	75272005	470
273003 472 75971260 509 273004 472 75974000 509 273005 472 75974070 509 273027 472 75991000 494-512 503002 444.484 75992000 494-511 523002 444.484 75998000 378.444.468-490 541260 506 75999000 378.444.468-490 701260 502 76201903 486 704070 502.503 76201904 486 704070 502.503 76201905 486 704070 502.503 76201907 486 704070 497 76202903 488 721260 508 76201927 486 721260 508 76202904 488 731260 508 76202905 488 731260 508 76202907 488 731260 496 76203903 490 741260 496 76203903 490	75272027	470
273004 472 75974000 509 273005 472 75974070 509 273027 472 75991000 494 - 512 503002 444 . 484 75992000 494 - 511 523002 444 . 484 75998000 378 . 444 . 468 - 490 541260 506 75999000 378 . 444 . 468 - 490 701260 502 76201903 486 704070 502 . 503 76201904 486 704070 502 . 503 76201905 486 71260 508 76201927 486 714070 497 76202903 488 730070 494 . 495 76202904 488 731260 508 76202905 488 731260 508 76202907 488 731260 496 76203903 490 741260 496 76203904 490 751260 494 76203927 490 761260 494 76221903	75273001	378. 482
273005 472 75974070 509 273027 472 75991000 494 - 512 503002 444 . 484 75992000 494 - 511 523002 444 . 484 75998000 378 . 444 . 468 - 490 541260 506 75999000 378 . 444 . 468 - 490 701260 502 76201903 486 704000 502 . 503 76201904 486 704070 502 . 503 76201905 486 711260 508 76201927 486 714070 497 76202903 488 731260 508 76202904 488 731260 508 76202905 488 731260 508 76202907 488 731260 496 76203903 490 741260 496 76203904 490 751260 495 76203907 490 761260 494 76221903 486 791260 497 76221904	75273003	472
273027 472 75991000 494 - 512 503002 444. 484 75992000 494 - 511 523002 444. 484 75998000 378. 444. 468 - 490 541260 506 75999000 378. 444. 468 - 490 701260 502 76201903 486 704070 502. 503 76201904 486 704070 502. 503 76201905 486 711260 508 76201927 486 714070 497 76202903 488 721260 508 76202904 488 730070 494. 495 76202905 488 731260 508 76202927 488 731260 508 76203903 490 741260 496 76203903 490 741260 496 76203905 490 751260 495 76203927 490 761260 494 76221903 486 761260 497 76221905	75273004	472
503002 444.484 75992000 494-511 523002 444.484 75998000 378.444.468-490 541260 506 75999000 378.444.468-490 701260 502 76201903 486 704000 502.503 76201905 486 704070 502.503 76201905 486 71260 508 76201927 486 714070 497 76202903 488 721260 508 76202904 488 730070 494.495 76202905 488 731260 508 76202907 488 731260 508 76202927 488 731260 496 76203903 490 741260 496 76203904 490 761260 495 76203927 490 761260 494 76221903 486 765070 494-496.500 76221904 486 761260 497 76221907 486	75273005	472
523002 444.484 75998000 378.444.468-490 541260 506 75999000 378.444.468-490 701260 502 76201903 486 704000 502.503 76201904 486 704070 502.503 76201905 486 711260 508 76201927 486 714070 497 76202903 488 720260 508 76202904 488 730070 494.495 76202905 488 731260 508 76202927 488 734000 494.496.500 76203903 490 741260 496 76203904 490 741260 496 76203905 490 761260 494 76221903 486 765070 494.496.500 76221904 486 765070 494.496.500 76221904 486 761260 497 76221905 486 762090 498.501 76222904 <	75273027	472
541260 506 75999000 378.444.468-490 701260 502 76201903 486 704000 502.503 76201904 486 704070 502.503 76201905 486 704070 502.503 76201927 486 71260 508 76201927 486 721260 508 76202903 488 730070 494.495 76202905 488 731260 508 76202927 488 734000 494.496.500 76203903 490 741260 496 76203904 490 761260 496 76203905 490 761260 494 76221903 486 765070 494-496.500 76221903 486 765070 494-496.500 76221904 486 765070 498-501 76221905 486 307000 498.501 76222903 488 302000 499 76222905 488 <td>75503002</td> <td>444. 484</td>	75503002	444. 484
701260 502 76201903 486 704000 502.503 76201904 486 704070 502.503 76201905 486 711260 508 76201927 486 714070 497 76202903 488 721260 508 76202904 488 730070 494.495 76202905 488 731260 508 76202927 488 734000 494-496.500 76203903 490 741000 497 76203904 490 741260 496 76203905 490 751260 495 76203927 490 761260 494 76221903 486 765070 494-496.500 76221904 486 781260 500 76221905 486 781260 497 76221905 486 781260 497 76221907 486 781260 499 76222903 488 <	75523002	444. 484
704000 502.503 76201904 486 704070 502.503 76201905 486 711260 508 76201927 486 714070 497 76202903 488 721260 508 76202904 488 730070 494.495 76202905 488 731260 508 76202927 488 734000 494-496.500 76203903 490 741000 497 76203904 490 741260 496 76203905 490 761260 495 76203927 490 761260 494 76221903 486 761260 494 76221903 486 781260 500 76221904 486 781260 497 76221905 486 781260 497 76221927 486 800700 498.501 76222903 488 802000 499 76222905 488 8	75541260	506
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711260 508 76201927 486 714070 497 76202903 488 721260 508 76202904 488 730070 494.495 76202905 488 731260 508 76202927 488 734000 494.496.500 76203903 490 741260 496 76203904 490 751260 495 76203927 490 761260 494 76221903 486 765070 494.496.500 76221903 486 781260 500 76221904 486 781260 497 76221905 486 781260 497 76221907 486 800700 498.501 76222903 488 809070 498.501 76222905 488 822000 499 76222907 488 8341260 498 76223903 490 861260 505 76223905 490	75704000	502. 503
714070 497 76202903 488 721260 508 76202904 488 730070 494.495 76202905 488 731260 508 76202927 488 734000 494.496.500 76203903 490 741260 496 76203905 490 751260 495 76203927 490 761260 494 76221903 486 765070 494.496.500 76221904 486 781260 500 76221905 486 781260 500 76221905 486 781260 497 76221927 486 307000 498.501 76222903 488 309070 498.501 76222904 488 322000 499 76222905 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 361260 505 76223907 490 361260 504	75704070	502. 503
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730070 494.495 76202905 488 731260 508 76202927 488 734000 494.496.500 76203903 490 741200 497 76203904 490 741260 496 76203905 490 751260 495 76203927 490 761260 494 76221903 486 7626070 494.496.500 76221904 486 781260 500 76221905 486 791260 497 76221927 486 307000 498.501 76222903 488 309070 498.501 76222904 488 322000 499 76222905 488 324070 499 76223905 488 341260 498 76223903 490 361260 505 76223905 490 361260 505 76223927 490 361260 499 76223927 490 361260 504 76261903 486	75714070	497
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751260 495 76203927 490 761260 494 76221903 486 765070 494 - 496, 500 76221904 486 781260 500 76221905 486 791260 497 76221927 486 307000 498, 501 76222903 488 309070 498, 501 76222904 488 322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75741000	497
761260 494 76221903 486 765070 494 - 496.500 76221904 486 781260 500 76221905 486 791260 497 76221927 486 307000 498.501 76222903 488 302000 499 76222904 488 322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75741260	496
765070 494 - 496.500 76221904 486 781260 500 76221905 486 791260 497 76221927 486 307000 498.501 76222903 488 309070 498.501 76222904 488 322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223927 490 371260 499 76223927 490 380070 504 76261903 486	75751260	495
781260 500 76221905 486 791260 497 76221927 486 307000 498.501 76222903 488 309070 498.501 76222904 488 322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75761260	494
791260 497 76221927 486 307000 498.501 76222903 488 309070 498.501 76222904 488 322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75765070	494 - 496. 500
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309070 498.501 76222904 488 322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75791260	497
322000 499 76222905 488 324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75807000	498. 501
324070 499 76222927 488 341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75809070	498. 501
341260 498 76223903 490 351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75822000	499
351260 504 76223904 490 361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75824070	499
361260 505 76223905 490 371260 499 76223927 490 380070 504 76261903 486	75841260	498
371260 499 76223927 490 380070 504 76261903 486	75851260	504
380070 504 76261903 486	75861260	505
	75871260	499
381260 501 76261004 496	75880070	504
70201304 400	75881260	501

Art No.	Page
88116250	535. 537
88119250	535. 537
88122070	535
88122080	535
88122680	535
88123070	535
88123080	535
88123680	535
88124070	535. 537
88124080	535. 537
88124680	535. 537
88125070	535. 537
88125080	535. 537
88126070	535. 537
88126080	535. 537
88126680	535. 537
88127070	535. 537
88127080	535. 537
88127680	535. 537
88128070	535. 537
88128080	535. 537
88128680	535. 537
88129070	535. 537
88129080	535. 537
88129680	535. 537
88130070	535. 537
88130080	535. 537
88130680	535. 537
88131070	535. 537
88131080	535. 537
88131680	535. 537
88132070	535. 537
88132080	535. 537
88132680	535. 537
88133070	535. 537
88133080	535. 537
88161070	536
88161080	536
88161250	536
20.0.200	555

Art No.	Page
88162070	536
88162080	536
88162250	536
88163070	536
88163080	536
88163250	536
88164070	536
88164080	536
88164250	536
88166070	537
88166080	537
88166680	537
88167070	537
88167080	537
88167680	537
88170003	527. 529. 539. 541
88170004	527. 529. 539. 541
88170027	527. 529. 539. 541
88170031	527. 529. 539. 541
88170035	527. 529. 539. 541
88171001	527. 529. 539. 541
88171002	527. 529. 539. 541
88171003	527. 529. 539. 541
88171006	527. 529. 539. 541
88311073	532
88311074	532
88311083	532
88311084	532
88311683	532
88311684	532
88331073	533
88331074	533
88331083	533
88331084	533
88331683	533
88331684	533
88343073	527
88343074	527
88343083	527

Art No.	Page
88343084	527
88343683	527
88343684	527
88344073	527
88344074	527
88344083	527
88344084	527
88344683	527
88344684	527
88345073	527
88345074	527
88345083	527
88345084	527
88345683	527
88345684	527
88346073	527
88346074	527
88346083	527
88346084	527
88346683	527
88346684	527
88347073	527
88347074	527
88347083	527
88347084	527
88347683	527
88347684	527
88348073	527
88348074	527
88348083	527
88348084	527
88348683	527
88348684	527
88349073	527
88349074	527
88349083	527
88349084	527
88349683	527
88349684	527

Art No.	Page
38350073	527
38350074	527
38350083	527
38350084	527
38350683	527
88350684	527
88351073	527
38351083	527
38351683	527
38352073	527
38352083	527
38352683	527
38354073	527
38354083	527
8354683	527
38355073	527
88355083	527
8355683	527
8356073	529
3356074	529
8356083	529
8356084	529
88356683	529
88356684	529
38357073	529
38357074	529
88357083	529
88357084	529
38357683	529
88357684	529
88358073	529
88358074	529
88358083	529
88358084	529
88358683	529
88358684	529
88359073	529
88359074	529
88359083	529

Art No.	Page	
88466173	271. 543	
88492073	167	
88492083	167	
88492683	167	
88493073	167	
88493083	167	
88493683	167	
88503173	343	
88506173	343	
88521173	340	
88521183	340	
88521693	340	
88522173	340	
88522183	340	
88522693	340	
88523173	341	
88523183	341	
88523693	341	
88527073	330	
88528073	331	
88643073	539	
88643074	539	
88643083	539	
88643084	539	
88643683	539	
88643684	539	
88644073	539	
88644074	539	
88644083	539	
88644084	539	
88644683	539	
88644684	539	
88645073	539	
88645074	539	
88645083	539	
88645084	539	
88645683	539	
88645684	539	
88646073	539	

Art No.	Page	
88646074	539	
88646083	539	
88646084	539	
88646683	539	
88646684	539	
88647073	539	
88647074	539	
88647083	539	
88647084	539	
88647683	539	
88647684	539	
88648073	539	
88648074	539	
88648083	539	
88648084	539	
88648683	539	
88648684	539	
88649073	539	
88649074	539	
88649083	539	
88649084	539	
88649683	539	
88649684	539	
88650073	539	
88650074	539	
88650083	539	
88650084	539	
88650683	539	
88650684	539	
88651073	539	
88651083	539	
88651683	539	
88652073	539	
88652083	539	
88652683	539	
88654073	539	
88654083	539	
88654683	539	
88655073	539	

Art No.	Page
88655083	539
88655683	539
88656073	541
88656074	541
88656083	541
88656084	541
88656683	541
88656684	541
88657073	541
88657074	541
88657083	541
88657084	541
88657683	541
88657684	541
88658073	541
88658074	541
88658083	541
88658084	541
88658683	541
88658684	541
88659073	541
88659074	541
88659083	541
88659084	541
88659683	541
88659684	541
88660073	541
88660074	541
88660083	541
88660084	541
88660683	541
88660684	541
88661073	541
88661074	541
88661083	541
88661084	541
88661683	541
88661684	541
88662073	541

Art No.	Page
88662074	541
88662083	541
88662084	541
88662683	541
88662684	541
88663073	541
88663074	541
88663083	541
88663084	541
88663683	541
88663684	541
88664073	541
88664083	541
88664683	541
88665073	541
88665083	541
88665683	541
88666073	541
88666083	541
88666683	541
88667073	541
88667083	541
88667683	541
88910002	527. 529. 539. 541
88910006	527. 529. 539. 541
88910007	527. 529. 539. 541
88910008	527. 529. 539. 541
88910009	527. 529. 539. 541
88947000	527. 529. 539. 541
88948000	527. 529. 539. 541
900000	568
90199	571
910000	568
910100	569
910200	568
910300	569
910400	568
910500	569
910600	569

Art No.	Page	
910700	569	
910800	569	
932000	568	
932100	568	
932200	568	
932300	568	
932400	568	
941000	564	
941100	564	
941400	564	
941500	564	
9419W	566	
950100	555	
950200	555	
950300	556	
950400	556	
9510B	548	
9510G	548	
9510R	548	
9510W	548	
9510Y	548	
9513B	548	
9513G	548	
9513R	548	
9513W	548	
9513Y	548	
951400	554	
951600	557	
951700	557	
9601.03	562	
9601.05	562	
9601.15	562	
9602.03	562	
9602.05	562	
9602.15	562	
9603.03	563	
9603.05	563	
9603.15	563	
9610B	549	

Art No.	Page
9610G	549
9610R	549
9610W	549
9610Y	549
9728.03	571
9728.05	571
9728.15	571
9729.03	570
9729.05	570
9729.15	570
9730.03	570
9730.05	570
9730.15	570
9731.03	571
9731.05	571
9731.15	571
9733.03	571
9733.05	571
9733.15	571
973500	571
975100	570
975400	570
9760.02	570
9760.05	570
9761.02	570
9761.05	570
BOMAC3.2	358
BOMAC3.4	358
BOMAC3.6	358
BOMAC4.2	360
BOMAC4.4	360
BOMAC4.6	360
H1191.07	239
H1191.20	239
H1191.22	239
H1996.02	86
H1996.07	86
H1996.15	86
H1996.22	237

Art No.	Page
H2067.00	94
H2067.01	94
H2067.02	94
H2067.03	94
H2067.04	94
H2067.07	94
H2191.07	238
H2191.20	238
H2191.22	238
P2269WW	252
P3605B	182
P3605G	182
P3605R	182
P3605W	182
P3605WW	182
P3605Y	182
P3650B	186
P3650G	186
P3650R	186
P3650W	186
P3650WW	186
P3650Y	186
P3651B	186
P3651G	186
P3651R	186
P3651W	186
P3651WW	186
P3651Y	186
P3653B	182
P3653G	182
P3653R	182
P3653W	182
P3653WW	182
P3653Y	182
P3654B	183
P3654G	183
P3654R	183
P3654W	183
P3654WW	183

Art No.	Page	
P3654Y	183	
P3659B	183	
P3659G	183	
P3659R	183	
P3659W	183	
P3659WW	183	
P3659Y	183	
P3669B	187	
P3669G	187	
P3669R	187	
P3669W	187	
P3669WW	187	
P3669Y	187	
P3680NW	114	
P3681NW	114	
P3729B	304	
P3729G	304	
P3729R	304	
P3729W	304	
P3729WW	304	
P3729Y	304	
P3730B	304	
P3730G	304	
P3730R	304	
P3730W	304	
P3730WW	304	
P3730Y	304	
P3807B	603	
P3807G	603	
P3807R	603	
P3807W	603	
P3807WW	603	
P3807Y	603	
P3816B	603	
P3816G	603	
P3816R	603	
P3816W	603	
P3816WW	603	
P3816Y	603	

Art No.	Page	
P3817B	602	
P3817G	602	
P3817R	602	
P3817W	602	
P3817WW	602	
P3817Y	602	
P3825B	600	
P3825G	600	
P3825R	600	
P3825W	600	
P3825WW	600	
P3825Y	600	
P3826B	600	
P3826G	600	
P3826R	600	
P3826W	600	
P3826WW	600	
P3826Y	600	
P3863NW	598	
P3863W	598	
P3863WW	598	
P3864NW	606	
P3864W	606	
P3864WW	606	
P3867NW	596	
P3867W	596	
P3867WW	596	
P3868NW	596	
P3868W	596	
P3868WW	596	
P3930B	300	
P3930G	300	
P3930R	300	
P3930W	300	
P3930WW	300	
P3930Y	300	
Р3937В	300	
P3937G	300	
P3937R	300	

Art No.	Page	
P3937W	300	
P3937WW	300	
P3937Y	300	
P3938B	301	
P3938G	301	
P3938R	301	
P3938W	301	
P3938WW	301	
P3938Y	301	
P3939B	301	
P3939G	301	
P3939R	301	
P3939W	301	
P3939WW	301	
P3939Y	301	
R0063NW2	119	
R0063NW4	119	
R0063NW6	119	
R0063W2	119	
R0063W4	119	
R0063W6	119	
R0063WW2	119	
R0063WW4	119	
R0063WW6	119	
R0065NW2	119	
R0065NW4	119	
R0065NW6	119	
R0065W2	119	
R0065W4	119	
R0065W6	119	
R0065WW2	119	
R0065WW4	119	
R0065WW6	119	
R2671NW2	221	
R2671NW4	221	
R2671NW6	221	
R2671W2	221	
R2671W4	221	
R2671W6	221	

ArtNo.	Page	
R2671WW2	221	
R2671WW4	221	
R2671WW6	221	
R3001NW2	120	
R3001NW4	120	
R3001NW6	120	
R3001W2	120	
R3001W4	120	
R3001W6	120	
R3001WW2	120	
R3001WW4	120	
R3001WW6	120	
R3004NW2	116	
R3004NW4	116	
R3004NW6	116	
R3004W2	116	
R3004W4	116	
R3004W6	116	
R3004WW2	116	
R3004WW4	116	
R3004WW6	116	
R3005NW2	118	
R3005NW4	118	
R3005NW6	118	
R3005W2	118	
R3005W4	118	
R3005W6	118	
R3005WW2	118	
R3005WW4	118	
R3005WW6	118	
R3008NW2	148	
R3008NW4	148	
R3008W2	148	
R3008W4	148	
R3008WW2	148	
R3008WW4	148	
R3037NW4	333	
R3037W4	333	
R3037WW4	333	

ArtNo.	Page
R3701NW2	375
R3701NW4	375
R3701NW6	375
R3701W2	375
R3701W4	375
R3701W6	375
R3701WW2	375
R3701WW4	375
R3701WW6	375
R3704NW2	374
R3704NW4	374
R3704NW6	374
R3704W2	374
R3704W4	374
R3704W6	374
R3704WW2	374
R3704WW4	374
R3704WW6	374
R3705NW2	374
R3705NW4	374
R3705NW6	374
R3705W2	374
R3705W4	374
R3705W6	374
R3705WW2	374
R3705WW4	374
R3705WW6	374
R3713NW	308
R3713W	308
R3713WW	308
R3714NW	364
R3714 W	364
R3714 WW	364
R3715NW	309
R3715W	309
R3715WW	309
R3716NW	364
R3716W	364
R3716WW	364

Art No.	Page
R3825NW	601
R3825W	601
R3825WW	601
R3826NW	601
R3826W	601
R3826WW	601
R3861B	597
R3861G	597
R3861R	597
R3861W	597
R3861WW	597
R3861Y	597
R3862B	597
R3862G	597
R3862R	597
R3862W	597
R3862WW	597
R3862Y	597
R3928B	290
R3928G	290
R3928R	290
R3928W	290
R3928WW	290
R3928Y	290
R3929B	290
R3929G	290
R3929R	290
R3929W	290
R3929WW	290
R3929Y	290
R3940B	303
R3940G	303
R3940R	303
R3940W	303
R3940WW	303
R3940Y	303
R3941B	303
R3941G	303
R3941R	303

Art No.	Page
R3941W	303
R3941WW	303
R3941Y	303
R6301NW2	121
R6301NW4	121
R6301NW6	121
R6301W2	121
R6301W4	121
R6301W6	121
R6301WW2	121
R6301WW4	121
R6301WW6	121
R6304NW2	117
R6304NW4	117
R6304NW6	117
R6304W2	117
R6304W4	117
R6304W6	117
R6304WW2	117
R6304WW4	117
R6304WW6	117
R6501NW2	121
R6501NW4	121
R6501NW6	121
R6501W2	121
R6501W4	121
R6501W6	121
R6501WW2	121
R6501WW4	121
R6501WW6	121
R6504NW2	117
R6504NW4	117
R6504NW6	117
R6504W2	117
R6504W4	117
R6504W6	117
R6504WW2	117
R6504WW4	117
R6504WW6	117

ArtNo.	Page	
R7101NW2	222	
R7101NW4	222	
R7101NW6	222	
R7101W2	222	
R7101W4	222	
R7101W6	222	
R7101WW2	222	
R7101WW4	222	
R7101WW6	222	
R7104NW2	221	
R7104NW4	221	
R7104NW6	221	
R7104W2	221	
R7104W4	221	
R7104W6	221	
R7104WW2	221	
R7104WW4	221	
R7104WW6	221	
SL610NW4	66	
SL610WW4	66	
SL630NW4	66	
SL630WW4	66	
SL700NW4	67	
SL700WW4	67	
SL720NW4	67	
SL720WW4	67	

§ 1 General - Scope

- 1. Our Terms and Conditions of Sale shall apply exclusively; contradicting conditions or conditions of the customer that deviate from our Terms and Conditions of Sale will not be accepted by us unless we have expressly agreed to their applicability in writing. Our Terms and Conditions of Sale shall also apply when we perform deliveries without objection while being aware of contradicting conditions or Terms and Conditions of Sale that differ from ours.
- Decisive for the content and scope of deliveries and services shall be our written offer and, if we issue an order confirmation, our written order confirmation.
- 3. Our Terms and Conditions of Sale shall only be applicable to companies within the meaning of § 310 Par. 1 BGB [Bürgerliches Gesetzbuch German Federal Civil Code].
- 4. Our Terms and Conditions of Sale shall also apply to all future business with customer. The following Terms and Conditions supersede customer's Terms and Conditions that differ in content. Customer's waiver of the applicability of any of their own Terms and Conditions shall also not be invalidated by our silence or our performance. A deviation from the following Terms and Conditions in an individual case shall require our written confirmation.
- 5. All technical data in our catalogues and other sales materials, lists and drawings as well as weight, measurement and mixing information has been carefully prepared, however, we reserve the right to later corrections.
- 6. It shall be customer's responsibility to check whether our product is suitable for cus-tomer's specified purpose.

§ 2 Quote - Quotation Documents

- 1. If the order is to be qualified as a quote in accordance with § 145 BGB, we shall have the right to accept it within four weeks
- 2. We reserve property rights and intellectual property rights in depictions, drawings, calculations and other documents; they must not be made available to third parties. This shall also apply to any written documents labelled as confidential. Their disclosure to third parties by customer shall require our express written approval. Quotes shall only be valid if in written form. The prices stated shall apply subject to the condition that the order data on which the quote tendered was based remain unchanged.
- 3. We shall only prepare first samples and first sample test reports upon express written agreement, billed at cost.
- 4. For products ordered based on customer's drawings or samples, customer shall be obliged to check for possible property rights of third parties and to not infringe upon them. If, as a result of failure to comply with this obligation, we are enjoined from manufacturing due to a third party's assertion of its property right or we cannot use the product due to infringement of the property right, then we are entitled, without further examination of the legal situation and to the exclusion of all damage claims, regardless of the reason therefor, on the part of customer - to cease manufacturing and delivery until the fact situation is clarified as well as to request damages from customer, at least in the amount of 15% of the invoice value for the ordered product. Customer already now agrees to indemnify us against third party claims for damages and other third party claims for compensation, especially from holders of rights, at our first request therefor. Included in the scope of the damages shall also be such costs as we may incur due to having to defend against claims of third parties.

§ 3 Prices - Terms and Conditions of Payment

- 1. Unless stated otherwise in the order confirmation, our prices are ex works, including the packaging usually employed for our products plus the applicable VAT on the day of invoicing. Requested special packaging or outer packaging or special small packaging shall be billed to customer. The prices shall be applicable, respectively, only to the contractually agreed upon quantity and design. If customer requests changes that require higher processing than what the contract or typical production process is based on, we shall reserve the right to a reasonable adjustment of the price. We reserve the right to raise our prices proportionally in accordance with cost increases incurred if, after conclusion of this Contract, our costs unforeseeably increase, especially due to labour agreements or the costs of materials. especially those of raw materials or energy.
- 2. The statutory valueadded tax is not included in our prices; it will be specified separately on the invoice in the statutory amount applicable on the day the invoice is issued.
- 3. The deduction of a discount shall require a special written agreement.
- 4. Unless specified differently in the order confirmation, the purchase price shall be due net (without deduction) free of transaction charges and shall be payable within 10 days of the date of the invoice. If customer is in default, we shall be entitled to de-mand interest on arrears in the amount of 8 percentage points above the statutory base interest rate per year. If we are able to provide proof of higher damages due to this default, we shall be entitled to claim those. Customer, however, shall have the right to prove to us that we did not incur damages or did incur significantly lower damages as a result of this default.
- 5. Customer is only entitled to setoff rights if its counterclaims represent a final legal judgement, is uncontested, or has been acknowledged by us, or it has a mutual relationship (synallagmatic) to the principle claim. Customer only has a right of retention for claims that have been legally established, are uncontested, have been acknowledged by us, or constitute counterclaims that are in a mutual relationship (synallagmatic) to the principle claim. Furthermore, customer shall be entitled to the exercise of a right of retention insofar as its counterclaim is based on the same contractual relationship. Credit notes shall be issued explicitly for the purpose of setting off claims. There shall be no entitlement to payment.
- 6. In case of doubt regarding customer's ability to pay, we reserve the right to demand advance payments or that securities be rendered. If we obtain knowledge that an attachment could not be enforced at customer or if we receive any indication of a financial collapse of customer, we shall be entitled to withdraw from the contract subject to a charge for the expenses incurred.

§ 4 Delivery Schedule - Terms and Conditions of Delivery

- 1. The start of the delivery schedule stated by us or agreed upon with us presupposes that all technical questions have been addressed, all documents to be supplied by customer have been delivered, all necessary permits and releases have been obtained by customer, especially with respect to plans as well as the adherence to the agreed upon Terms and Conditions of Payment and the fulfilment of the other acts of cooperation by customer.
- Furthermore, the adherence to our obligation to deliver presupposes the timely and proper fulfilment of customer's obligation as well as that we received proper delivery of the raw materials necessary for manufacturing the delivery product. The right to objection of non-fulfilled shall remain reserved.

- 3. If the non-fulfilment of delivery times is based on force majeure, e.g. strike, lockout, etc., the delivery times shall be extended appropriately. One such appropriate extension of the delivery times shall also occur when we are not supplied properly or on time (reservation of a proper and timely delivery by our suppliers).
- 4. If customer is defaulting on acceptance or if customer culpably violates other duties of cooperation, we shall be entitled to demand compensation of any resulting damages including any possible extra expenses to customer. We reserve the right to assert further claims and rights. If the delivery or shipment is postponed upon customer's request, we shall be entitled to bill the customer a storage fee in the amount of 0.05 % of the invoice total for each month started, up to a maximum of 5 % of the invoice total, 10 days after notifying customer that the goods are ready for shipment. Both parties to the contract shall have the right to prove higher or lower expenses.
- 5. If the prerequisites in Par. 4 exist, the risk of accidental loss or accidental deterioration of the goods shall pass to customer at the moment customer defaults on acceptance or payment.
- 6. In accordance with the statutory regulations, we shall be liable to the extent that the underlying purchasing contract is a fixed date transaction in the meaning of § 286 Par. 2 Nr. 4 BGB or of § 376 HGB [Handelsgesetzbuch-German Commercial Code). In accordance with the statutory regulations, we shall also be liable if customer, due to a delayed delivery due to our fault, is entitled to claim that customer's interest in the continued fulfilment of the contract has ended.
- 7. Furthermore, in accordance with the statutory regulations, we shall be liable if the delayed delivery is due to a wilful or grossly negligent breach of contract for which we are responsible; culpability of our representatives or vicarious agents shall be attributed to us. If the default in delivery is due to a grossly negligent breach of contract for which we are responsible, our liability shall be limited to the foreseeable, typically occurring damages.
- 8. We shall also be liable in accordance with statutory provisions, insofar as the delay in delivery that was our fault is based on a culpable breach of a material contractual obligation; in this case, however, the liability for damages shall be limited to the foreseeable, typically occurring damages.
- 9. We shall be entitled to make partial deliveries within a reasonable scope. Deviations in measurements, weight, technical design, manufacturing and quantity of the goods to be delivered shall be allowed within customary, productrelated tolerances. Furthermore deemed as approved by the manufacturer shall be modifications that serve technical advancement and improvement of our products.

§ 5 Transfer of Risk - Packaging Costs

- 1. Unless the order confirmation specifies otherwise, the delivery shall be agreed upon ex works.
- The return of packaging materials shall be subject to special agreements.
- If requested by the ordering party, we will obtain transport insurance for the delivery; the costs caused by it shall be born by the ordering party.
- 4. Customer shall be required to name one or more people within a reasonable period before delivery of the goods who are authorised by customer to accept the goods and the accompanying documents, and to sign the delivery papers and accompanying documents on behalf of customer. This shall apply in particular if the goods are delivered to a location other than customer's place of business. If such information is

not provided, those persons who actually accept the goods shall be deemed authorised to accept the goods and to sign the transfer papers (delivery note and other accompanying naners)

- 5. If none of the people named by customer are present at the agreed upon time at the specified location or if this person or other persons are not willing to accept the goods, customer shall be in default of acceptance, with the consequence that the risk transfers to the customer. Furthermore, customer shall bear the extra costs arising from a renewed delivery.
- 6. Customer shall not be entitled to reject deliveries due to minor defects

§ 6 Liability for Defects

- 1. Customer's claims for defects presuppose that customer properly fulfilled its inspec-tion and complaint obligations owed in accordance with § 377 HGB.
- 2. If the purchased item has a defect, we shall be entitled to a rectification of our choice in the form of removing the defect or supplying a new item free of defects. In the case of removing the defect, we are obligated to bear all necessary expenses for the pur-pose of rectification, in particular, transport, road, work and material costs provided that these costs are not increased by the fact that the purchased item has been transported to a place other than the place of fulfilment. We may refuse rectification when the expenses for removing the defect are expected to exceed the sales price.
- 3. If the remedy fails, customer at its discretion shall have the right to demand with-drawal or reduction.
- 4. We shall be liable in accordance with the statutory stinulations insofar as customer makes claims for damages. that are a result of intent or gross negligence, including intent of gross negligence of our representatives or vicarious agents. Unless we are claimed to be in deliberate breach of contract, our liability for damages shall be limited to the foreseeable, typically occurring damages.
- 5. In accordance with the statutory regulations, we shall be liable if we culpably violated a material contractual obligation; however, even in this case, the liability for damages shall be limited to the foreseeable, typically occurring damages. A material contractu-al obligation shall exist if the violation of the obligation refers to an obligation in whose fulfilment customer has trusted and could be expected to trust in.
- 6. Liability for culpable injury to life, limb or health shall remain unaffected; this shall also apply to mandatory liability in accordance with the German Product Liability Act (Produkthaftungsgesetz).
- 7. To the extent not otherwise specified above, any liability shall be excluded
- 8. The period of limitation for claims for defects shall be 12 months, as from the transfer of risk.

§ 7 Liability for Defects

- 1. Any further liability for damages other than those stipulated in § 6 and § 4 shall be excluded - regardless of the legal nature of the claim being asserted. This applies in particular for damage claims from fault when the contract was concluded, due to other breaches of obligation or on account of claims in tort for compensation of material damages in accordance with § 823 BGB.
- 2 The period of limitation for all claims that are not subject. to the period of limitation for defects of the item shall be an exclusion period of 18 months. It shall commence upon obtaining knowledge of the damage and of the person causing the damage.

- 3. The limitation pursuant to Par. 1 shall also apply, insofar as the customer demands compensation of useless expenses instead of performance.
- 4. Insofar as liability for damages against us is excluded or limited, this shall also apply with respect to the personal liability for damages of our employees, workers, associates, representatives and vicarious agents.

§ 8 Security of the Reservation of Title

- 1. We retain title to the item purchased until receipt of all payments resulting from the business relationship with the customer. Insofar as we agree with the customer on payment based on the check/bill of exchange procedure, the retention of title shall also extend to the customer cashing the bill of exchange accepted by us and shall not expire by crediting the check received by us.If customer breaches its contractual obligation or fallsinto default of payment, we may withdraw from the contract if, after a setting a reasonable deadline, customer fails to meet its obligations, or adhering to the contract even without a reminder notice cannot be reasonably expected. We may also declare our withdrawal from the contract by taking back the item purchased. After taking back the item purchased, we shall be entitled to dispose of it; the proceeds from the disposal shall be credited against the liabilities of customer - less reasonable disposal costs.
- 2. Customer is obligated until the final transfer of ownership to treat the item purchased with care; he is in particular obligated to insure the item at his own expense against damage by fire, water and theft sufficient to cover the replacement value. Insofar as maintenance or inspection should be necessary, the customer must carry this out in due time at his own expense.
- 3. In case of attachments or other encroachments by third parties, customer shall notify us immediately so that we can file a lawsuit in accordance with § 771 ZPO (German Code of Civil Procedure). Insofar as the third party is not able to reimburse us for the judicial and extra-judicial costs of such a lawsuit in accordance with § 771 ZPO, customer shall be liable for any losses we incur.
- 4. Customer shall be entitled to resell the purchased goods in the ordinary course of business; customer shall, however, now assign to us all accounts receivables in the amount of the final invoice amount (including VAT) of our account receivable that accrue to him against purchasers or third parties on resale, independently of whether the purchased goods were resold without or after processing it. Customer shall remain authorised to collect this account receivable even after assignment. Our authori-sation to collect the account receivable ourselves shall remain unaffected by this. However, we agree not to collect the accounts receivable as long as customer complies with its payment obligations from the collected proceeds, does not default in payment and, in particular, no petition for the institution of insolvency or conciliation procedure is filed or cessations of payment exist. But if this is the case, we shall be entitled to demand that customer inform us about assigned receivables and the debtor of same, provide us with all information required for collection, hand out the pertinent documents and inform the debtor (third party) of the assignment. The claim already ceded to us in advance shall also apply to the acknowledged balance, as well as, in the case of an insolvency of the customer, to the then existing causal balance.
- 5. The processing or transformation of the purchased goods by customer shall always be done for us. If the purchased goods are processed together with other items not

belonging to us, we shall consequently acquire co-ownership of the new object in proportion to the value of the purchased goods (invoice total, including VAT) to the other processed items at the time at which processing took place. Incidentally, for the object resulting from the processing, the same shall apply as for the purchased goods under reservation.

- 6. If the purchased goods are combined with other objects not belonging to us such that they cannot be separated from one another, we then shall acquire joint ownership of the new object in proportion to the value of the purchased goods (invoice total, includ-ing VAT) and to the other processed items at the time at which combining took place. If the combining occurs such that customer's object is regarded as the principal item, then it is deemed agreed upon that customer shall transfer co-ownership to us proportionally. Customer shall keep safe the resulting sole ownership or co-ownership for us.
- 7. As security for our claims against it, customer shall assign to us all claims against a third party resulting from combining the purchased goods with real property.
- 8. We undertake to release the securities due to us at customer's request as long as the realisable value of our securities exceeds the secured accounts receivable by more than 10 %; the selection of the securities to be released shall be at our discretion.

§ 9 Place of Jurisdiction - Place of Performance -Severability Clause

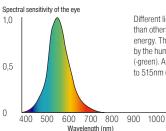
- 1. If supplier is a merchant, then the place of jurisdiction to the exclusion of all others - is Sundern (Sauerland) for all controversies that arise. However, we are also entitled to bring claims against supplier at its general place of jurisdiction.
- 2. The laws of the Federal Republic of Germany shall be applicable; the terms of the UN Convention on Contracts for the Sale of Goods shall be excluded
- 3. Unless stated otherwise in the order confirmation, the place of performance for all performance and counter performance by us and supplier, including payment, is the headquarters of Brumberg Leuchten GmbH & Co. KG in Sundern (Sauerland).
- 4. These General Terms and Conditions of Sale shall remain in effect even if individual clauses should turn out to be invalid. The invalid clause shall be amended or interpreted by the parties in such a way that the commercial purpose intended by the invalid provision shall be achieved to the greatest extent possible. The same approach shall be taken if in the conduct of the contractual relationship a gap requiring supplementation results. If the invalidity is based upon a definition of performance or time, the statutorily permissible measure shall take its place.
- If a provision of these General Terms and Conditions of Sale proves to be invalid in regard to mandatory foreign law then, upon request, supplier will reach agreement with us on those contractual supplements and make those declarations to third parties or officials that retain the validity of the affected provision and, if this is not possible, that preserve its economic content even in accordance with foreign law.
- The German version of the General Terms and Conditions of Sale shall be the authoritative version. In case of translations, it shall prevail over the English translation and is designed based on German law

Status: May 2016

What is light?

Light is that small part of electromagnetic radiation, which can be perceived by the human eye. The actual wavelengths range from 380nm to 750nm.

Spectral sensitivity of the eye



Different light colours appear lighter than others at the same radiation energy. The maximum perceived by the human eye is about 555nm (green). At twilight, the maximum falls to 515nm (blue shades).

Weighted light colour

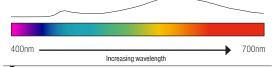
... indicates the light colour of the light source perceived by the eye of the spectator.

Weighted colour impression

... describes the colour impression experienced by the spectator.

Light spectrum

The light spectrum is the whole of all distinguishable spectral colours. The forms of representation contain information about wavelength and intensity of luminous power.



Light colour

The light colour, also described as spectral colour, specifies a colour impression of light in one single wavelength.

Colour temperature

Describes the temperature at which a theoretically black body emits a weighted colour impression.

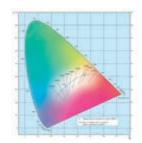


1000K 2000K 3000K 4000K 5000K 6000K 7000K 8000K

Planck's law

The black body curve, commonly also referred to as Planck's curve, depicts the colour temperatures as a curve in the CIE standard chromaticity diagram.

CIE standard chromaticity diagram



Since 1931, the CIE standard chromaticity diagram has been the most widely used, perception-related colour description system containing all of the perceivable colours. By reference to the colour space coordinates, the system is also called Yyy colour space or CIE Yyy.

UV light

UV light is electromagnetic radiation with a wavelength shorter than that of light perceivable by the human eye (less than 380nm). This range is further sub-divided into the sub-ranges of UV-A, UV-B and UV-C.

IR light

IR (infra-red) light is electromagnetic radiation with a wavelength longer than that of light perceivable by the human eye (more than 780nm). This radiation is also called thermal radiation.

Colour rendering

Colour rendering describes how natural an object illuminated by an artificial light source appears.

Colour rendering index

The colour rendering index contains light colours determined in accordance (CRI) with DIN 6169 14.



Rx specification

 $_{\rm w}$ X" specifies the test colours (i.e. 1-12) measured for the determination of the colour rendering index.

Ra specification

Ra describes the general colour rendering index and specifies that only the first 8 (out of 14) test colours were measured for the determination of the colour rendering index.

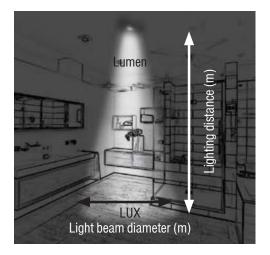
Light flux



The light flux describes the total radiation power of a light source irrespective of the radiation direction. Light flux is denominated in the unite lumen.

Light intensity

The light intensity is the measured light that actually reaches the area to be illuminated. Light intensity is denominated in the unite lux.



Luminance

Luminance is the photometric measure for the phenomenon that is perceived by the human eye as brightness of a surface in the unite candela per square meter.



Denomination	Unit	Abbr.	
Light intensity	Lux	lux	
Light flux	Lumen	lm	
Colour temperature	Kelvin	K	
Luminance	Candela per square metre	cd/m²	
Colour rendering index	Color Rendering Index	CRI	
General colour rendering index	Test colours 1-8	Ra	
Thermal radiation	Infrared radiation	IR	
Chemical radiation	Ultraviolet radiation	UV	

Reflection

Describes the relation between impinging light and reflected light. Both the amount of reflection and the content of reflection depend on the surface material. The direction of reflection depends on the type of surface.

Absorption

Describes the relation between impinging light and non-reflected light.

Electroluminescence

Electroluminescence is a type of optic radiation in which a solid body is excited to emit electromagnetic radiation by applying an electrical voltage.

Phosphorescence

Phosphorescence describes the conversion of monochromatic light into a wider light spectrum.

Zhaga

Name of an industrial consortium aiming at specifying standards for LED modules, thereby ensuring their easy replaceability.

DIE

A DIE is an LED flip chip.

T type

T types are the original LED designs, which today are still used in the field of signal lights and orientation lights.

SMD

Denotes a "Surface Mounted Device"

SMD is a type of LED design in which the LED unit is directly soldered to a printed circuit board using soldering contact faces.

СОВ

"Chip On Board" (COB) This type of design is widely used for LED components with a great number of light diodes. It is a type of design, in which the light diode chip is attached directly to the printed circuit board using Die and wire bonding, after which the chip is covered with a phosphorescent layer.

LED module

Is the design of a COB LED with standardised terminals and mounting elements.

LLE

"LED Light Engine"

LLE is a term derived from the standardisation of the Zharga consortium and denotes the combination of a LED module, a connecting cable and a suitable operational device.

Service life

The service life is the time during which a light source can be used until complete failure without being replaced.

Average service life

... denotes the service life during which a light source maintains up to 50% of the original luminous power without being replaced.

Useful service life

... denotes the service life during which a light source maintains the original luminous power – within the stated rate of degradation – without being replaced.

Degradation

... defines the light flux degradation across the stated service life.

Failure rate

... is the number of light sources expressed in percent that may exceed the light flux degradation within the stated service life.

Total failure rate

... is the number of light sources expressed in percent that may completely lose their luminous power within the stated service life.

Binning

... is the division of LED diodes into defined colour index and lighting intensities in so-called bins.

MacAdam ellipse

A MacAdam ellipse defines the area around a reference colour space, in which space the reference colours are perceived as being the same.

Denomination	Abbr.
Light flux degradation	L
Degradation	В
Total failure	C
General failure (combination of B and C)	F
MacAdam ellipse	SCM

Colour tolerance

 \dots is the declaration of the different MacAdam ellipses of the light sources used in their condition at delivery.

Colour stability

 \dots is the declaration of the different MacAdam ellipses of the light sources used at the end of their service lives.

Retrofitting

... describes the retrofitting of a luminaire with an illuminant that was originally not designed for this type of luminaire.

System power

... is the power consumption of a luminaire including illuminant and ballast.

Downlights

... are fixed recessed luminaires without pivot axis.

System light flux

 \dots is the light flux of a luminaire including reflector absorption and thermal influence.

Pivot radius

... indicates the radius of movement around the pivot axis in degree.

Thermal management

... describes the dedicated direction and control of thermal fluxes.

Gimbal mounting

... describes the pivotability in two concurrent pivot axis that are placed rectangularly to each other.

Tc spot

The Tc spot is the most critical temperature spot of a device with heat development. "Tc" means "casing temperature".

Installation depth

The given installation depth refers to the physical dimensions of the recessed part of the luminaire. The factually required, overall installation depth is to be found in the mounting instruction

Operational efficiency

The operational efficiency defines the distribution of incoming and outgoing energy.

Ceiling / cut-out

... states the necessary opening diameter in the ceiling that is necessary for mounting a recessed luminaire.

Rail-mounted spotlights

... are spotlights mounted to a bus bar that can be freely arranged in the room.

Outer diameter

... denotes the outer diameter of the cover ring of recessed luminaires.

Spots

... are recessed luminaires with at least one pivot axis that can be freely arranged in the room.

Alternating voltage

... is an electric current, the direction (polarity) of which alternates in regular intervals.

Wallwashers

... are luminaires with a homogeneous lighting of the wall.

Direct current voltage

... is an electric current, the direction (polarity) of which does not alternate.

Reflector

... is the name of concave mirrors behind a light source to bundle light.

Light distribution curves

... are graphic representations of the light distribution in a room.

Lens

... is the name of transparent components in front of a light source to bundle light.

Beam diagram

... is the special representation of the light distribution with regard to light intensity.

Collimator

... is a special form of a lens, which must ensure a parallel flow of the beams.

Polar diagram

... is the special representation of the light distribution with regard to the direction in the room.

Radiation angle

... is the geometric angle resulting from the focal point of the illuminant and the emission point of the light. Commonly, the radiation angle is used equally under the name of angle of half intensity.

Glare suppression

... describes the feature of reduced direct glaring of a human being with the help of the light source used.

Angle of half intensity

The angle of half intensity is the angle at which the light intensity is only 50% of the maximum light intensity of the centre.

LOR value (Light Output Ratio)

This value describes which part of the light generated within the luminaire can actually be used externally.

Calculation formula for light intensity

Light intensity at distance x Distance x2

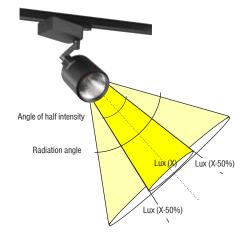
Basic value at 1m

HotSpot

Corona

A HotSpot is the common denomination of the representation of the angle of half intensity in the light diagram.

A corona is the common denomination of the representation between the angle of half intensity and the radiation angle in the light diagram.



Reference photos © by Henrik Schipper / Brumberg



to be installed in parallel connection (constant voltage)



to be installed in series connection (constant current)



the operating current is as indicated in mA (constant current)



operating voltage 12V, constant current (DC)



operating voltage 24V, constant current

230V AC 50Hz

operating voltage 230V, alternating current (AC)



installation depth in mm

The given installation depth refers to the physical dimensions of the recessed part of the luminaire. The factually required, overall installation depth is to be found in the mounting instruction





ceiling cut-out round shape (Ø) or angular in mm for the article



protection class I: with protectiv grounding (PE)



protection class II: protective insolation (e.g. plastic housing resp. increased or double insolation



protection class III: savety extra-low voltage (SELV): voltages <=50V AC; <=120V DC



degree of protection, see explanation on page 689



Partially made of AISI 316 stainless steel



membran impregnated against humidity



VDE-Certification



ENEC - Certification



weight capacity up in kg



Article ist not appropriate for covering with heat insulation material



Lights to be installed into furnitures consisting of material with unknown fire behaviour.



Not applicable for insertion into installation boxes







Rotation angles for different directions in °



cardanic rotation this angle in $\ensuremath{^\circ}$



pivoting angle in °



Fitting of illuminant without visible circlip



Code of shackle for this article. Attention: low-voltage lamps will generally be delivered without shackle. Please order separately!



Code of cache-pot for article



Dimmable via 1-10V interface



Dimmable via DALI bus



Dimmable via leading and/or trailing edge





Max. flux in lumen. See exact values at request. Measurements DIN EN 13032 conform: this standard among other things regulatesmethodes for measuring (e.g. by goniophotometers) and presentation of photometric data (light distribution curve) for lamps and luminaires.



LDT data for these articles are available as download at www.brumberg.com.



00 = brass



08 = black



25 = alu satin



64 = titanium



01 = brass satin



09 = nobel chrome



26 = steel satin



67 = textured graphit grey



02 = chrome



15 = nickel satin



27 = stainless steel white powdered



68 = silver



03 = chrome satin



17 = textured white



42 = stainless steel A4/AISI 316



69 = textured silver



04 = bronze



18 = textured black



51 = gold/white/gold



75 = white / gold



05 = gold



19 = copper



55 = black / white



85 = black/ gold



06 = gold satin



20 = stainless steel clear powdered

22 = stainless steel





63 = champagner



07 = white

The degree of protection characterises the protection against the infiltration of foreign bodies and dampness.

The designation follows this scheme: IP XX

The letters IP indicate "degree of protection" and the double XX has to be replaced as following:

1st place: protection against solid particles

2nd place: protection against the ingress of moisture

Ratio for protection against contact / ingress of objects

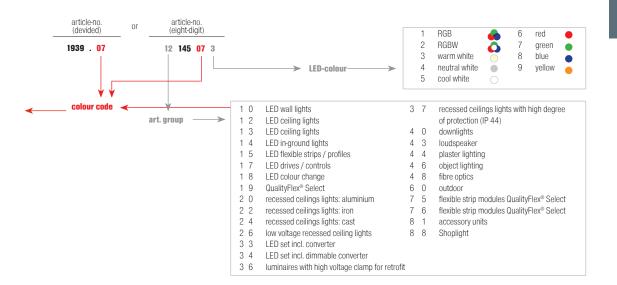
IP 0X	No protection
IP 1X	protection against objects sized >50mm diametre
IP 2X	protection against objects sized >12mm diametre
IP 3X	protection against objects sized >2,5mm diametre
IP 4X	protection against objects sized >1mm diametre
IP 5X	protection against harmful dust deposit insite
IP 6X	no ingress of dust

ratio for liquid ingress protection

IP X0	not protected against liquid ingress		
IP X1	protected against drops of water falling vertically		
IP X2	protected against drops of water from angles		
	up to 15°		
IP X3	protected against showers up to 60°		
IP X4	protected against splash water		
IP X5	protected against water jets		
IP X6	protected against heavy downpours		
IP X7	protected against immersion		
IP X8	protected against submersion		

Example:

IP 44 means: protected against foreign bodies > 1 mm and against splash water.



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