OSRAM AG

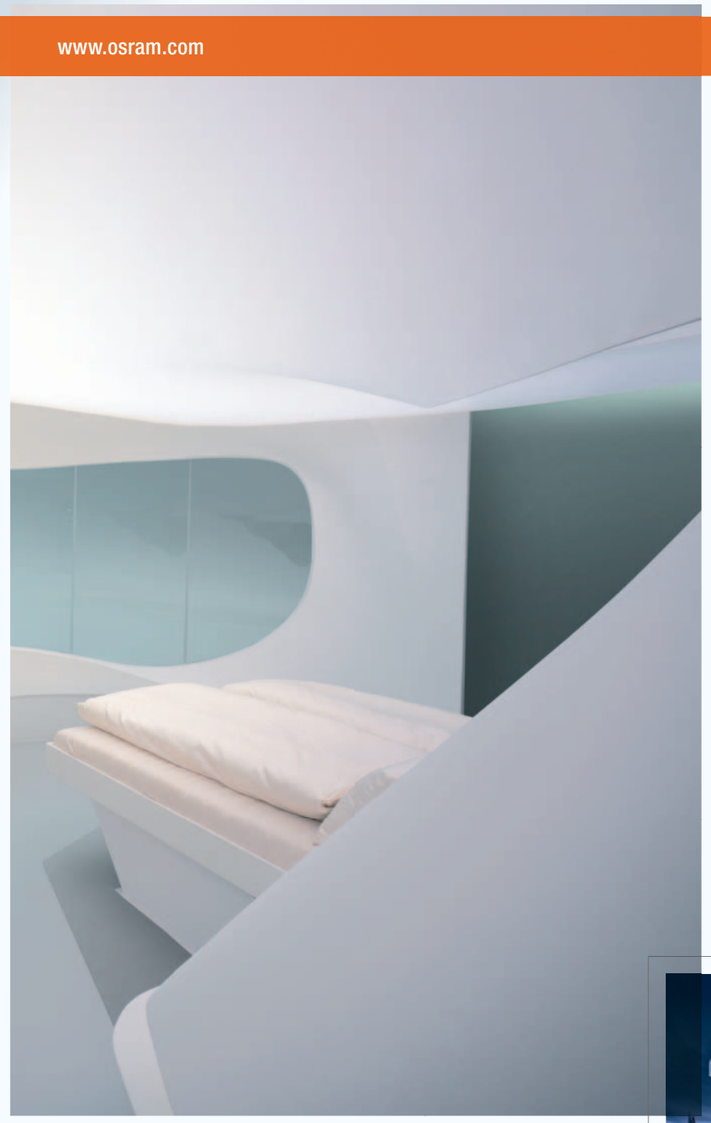
Head Office
Hellabrunner Strasse 1
81543 Munich
Germany
Phone +49 (0)89-6213-0
Fax +49 (0)89-6213-20 20
www.osram.com

member of voltimum .com

1EZW022GB 04/12 St Subject to change without notice. Errors and omission excepted.

OSRAM LED Program 2012

www.osram.com



OSRAM LED CREATING TOMORROW

LED Program

incl. Light management systems

2012

OSRAM

Any manipulation of our products or packaging, including but not limited to modification, reworking or restamping, is prohibited and infringes our registered trademark rights. Such modifications may impair the technical properties of our products, destroy them or cause consequential damage or injury, for which OSRAM cannot under any circumstances be held responsible.

For more information on our products go to:
www.osram.de
www.osram.com

Printed on paper treated with chlorine-free bleach.

Subject to change without notice. Errors and omission excepted. The pictures in the catalog are for illustration purposes only.

OLED light design 8

Thin OLED panels give designers greater freedom to create aesthetic installations. These glare-free area light sources are impressive for their sustainability, efficiency and simple elegance.

LED modules 14

Long-life LED modules from OSRAM impress with high efficiencies and offer a modern alternative to traditional lighting. Thanks to their versatility, they allow great flexibility in terms of creating innovative lighting solutions.

LED light engines 68

With defined parameters and perfectly matched components, PrevaLED® light engines enable manufacturers to design highly efficient, future-proof LED luminaires.

Control gears & dimmers 86

Our control gears and controllers allow for lighting systems that form an efficient unit with LED modules and accessories, giving creative lighting design a fresh boost.

Light management systems 120

Meeting individual lighting demands and saving energy at the same time is easy with light management systems from OSRAM – our solutions for efficient LED lighting projects.

LED lamps 180

They are highly efficient and achieve enormous light output from small dimensions. High-performance LED lamps from OSRAM provide an entry into the exciting world of LED technology.

LED luminaires 210

By combining elegant design, compact dimensions and outstanding photometric properties, our LED luminaires open up so many new possibilities in so many applications.

Creating the future of light with OSRAM

The lighting market is going through a period of technological change, with semiconductor-based technologies such as LEDs and OLEDs presenting customers with new possibilities in terms of efficiency, quality of light and flexibility. As a premium supplier, OSRAM is playing a leading role here.

For more than 100 years, the trademark OSRAM stands for innovative and sustainable developments in the global lighting market. Today, OSRAM is one of the world's largest suppliers of products and solutions for a wide range of customer requirements – from lamps and modules to luminaires and high-efficiency light management systems.

OSRAM focuses all its resources on the subject of light, actively supporting its customers in making the best choices to meet their individual requirements. With more than 40000 employees in around 150 countries, OSRAM develops tailor-made solutions to cover the specific needs of its customers.

Passion for light, solutions for life.

Change is written into our DNA. OSRAM develops intelligent and sustainable products to help conserve resources worldwide and to improve the quality of life through light. Artificial lighting is responsible for around 20 percent of worldwide power consumption. This means that highly energy-efficient lighting can save as much CO_2 worldwide as can be absorbed by a forest twice the size of Italy. At present, more than 70 percent of our turnover comes from energy-saving lighting solutions.

LED technology is already a crucial factor here. LED-based products now account for around 25 percent of OSRAM's total sales. OSRAM covers the entire LED value-added chain, from components to light management solutions. And with around 8000 LED patents, OSRAM has a considerable influence on the further development of LED technologies.

As a "pure light player", OSRAM is a strong global brand, and as a leading innovator in all application and technology sectors it is shaping the digital future of the lighting industry.

Fiscal Year 2011 (ended September 30, 2011)

Lighting solutions for today with excellent efficiency

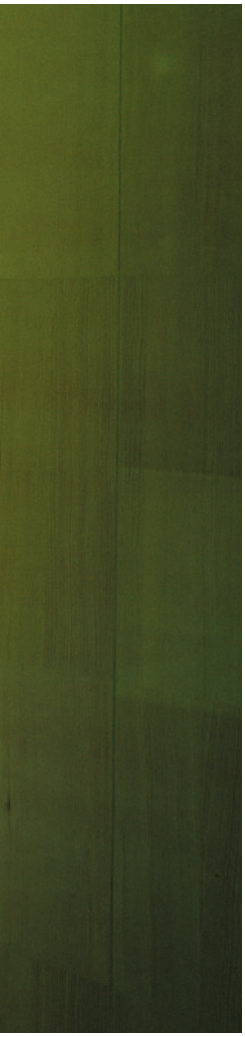
LED technology from OSRAM provides perfect illumination for all areas of application

Innovative LED technology from OSRAM provides major benefits for luminaire manufacturers, lighting designers and end users alike.

Due to their outstanding energy efficiency, high light quality and numerous application possibilities, LEDs are today's most flexible sources of light. Their ruggedness, along with their extremely long service life, ensures low maintenance requirements and long replacement intervals, providing low total cost of ownership over time.

LED products from OSRAM can be installed and used almost anywhere: They provide perfect illumination in domestic, industrial or office environments. They create a pleasant ambience in restaurants, hotels, shops or other places open to the public. And outdoors, they can be used to highlight architectural details, such as facades, towers or entire buildings, to name just a few.

As the highly competent and experienced manufacturer, OSRAM offers a broad range of LED products – from LED lamps, modules, light engines, drivers and controllers to entire luminaires. Even customized LED modules can be produced in order to meet individual requirements. And thanks to perfectly matched components, everything can be easily combined, creating highly efficient, easy-to-use LED system solutions.



Strategisches Geschäftsfeld ZERTIFIZIERUNG

OLED light design

Light in its most advanced form: wafer-thin, elegant, efficient and stunningly beautiful. OLED technology provides the basis for aesthetic lighting.

OLED components	12
OLED module	13

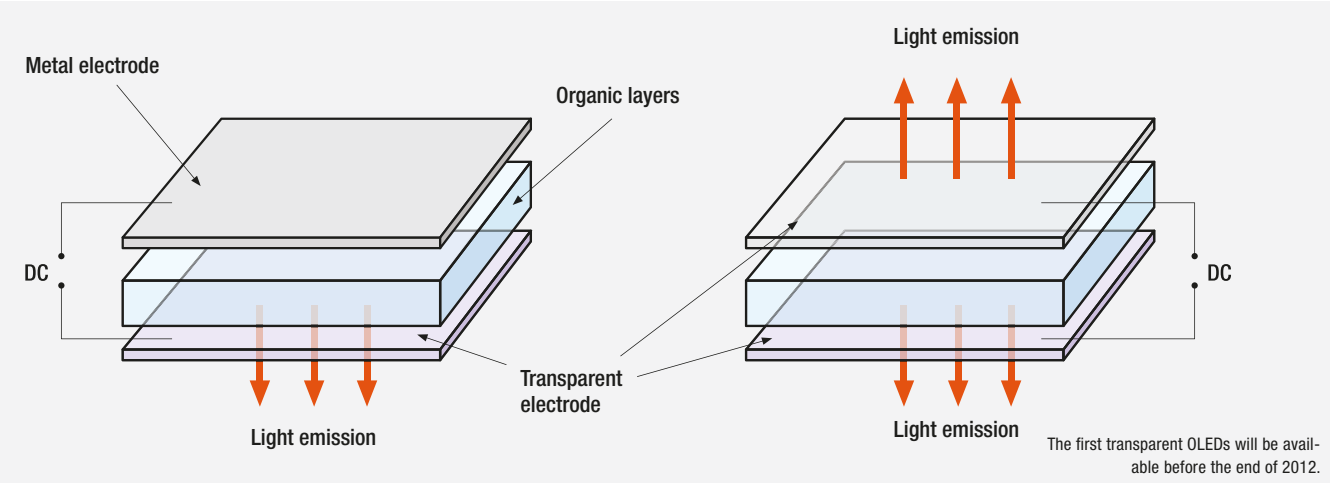
Four letters that signify the evolution of light

The organic light-emitting diode (OLED) is an innovation that will reshape the future of lighting. This is the opinion of experts and users alike. Thanks to this new technology, additional heat sinks, reflectors, lenses and prisms for interior lighting design will be elements of the past.

OLED components are only around 2 mm thick, so they will give designers enormous freedom to create new design objects, high-end luminaires and high-quality furniture. Whether in diffuse or reflective versions, OLED light modules will provide the basis for unique aesthetic applications.

CDW-031, the first OLED series product on the market

Structure of an OLED
An organic light-emitting diode consists of several organic semiconductor layers between two electrodes, at least one of which is transparent. The diagram shows two different types of OLEDs: a component emitting light on one side only (left) and a transparent component emitting light both upwards and downwards (right). The manufacture of an OLED involves placing organic layers one after the other on a conducting substrate, followed by a conducting electrode. A widely used structure is based on a glass substrate coated with indium tin oxide (ITO) as the transparent anode and a thin non-translucent metal layer as the cathode. The organic stack including the electrodes is generally less than 1 µm thick.



Two different OLED designs: emission from one side on the left, and emission from both sides on the right.

Outstanding properties of OLED technology
Because of its special properties, OLED technology offers many product benefits that have never before been possible in this combination. They include the following:

- They are glare-free, homogeneous area light sorces which, when turned off, appear either reflective or diffuse.
- They are very thin and therefore extremely lightweight.
- They offer good color rendering and high-quality instant-on light.
- Their warm white light color creates a pleasing atmosphere.
- Even today, they are more efficient than halogen lamps and have the potential to match and even surpass the efficiency and lifetime of fluorescent lamps, and are completely mercury-free and RoHS compliant at the same time.
- They do not emit any UV or IR radiation, making them ideal for illuminating particularly sensitive objects.
- Future products based on OLED technology could be malleable or flexible.

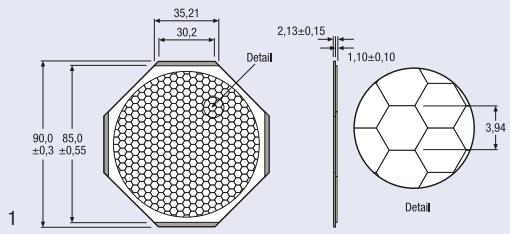
Applications of OLED technology
Thanks to their aesthetic appearance and high-quality light, OLEDs are now being used above all in applications where design and atmosphere are the major factors. OLED light modules have already been used successfully in designer luminaires and in shop lighting. The technology is also ideally suited for all kinds of decorative and mood lighting, and for applications where light is directly integrated in furniture or in mirrors (embedded light).

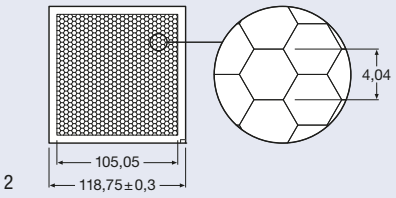
With ORBEOS®, OSRAM has launched the first fully qualified OLED product. As a leader in lighting innovation, and continuing to build on this technological success, the company's unique pilot production line and substantial investments in research and development will assure the advancement of OLED technology. OLED modules from OSRAM are a compelling way to provide light and will become a lasting element in lighting design for future generations.

www.osram.com/oled

OSRAM OLED design luminaire Airabesc, awarded with the reddot Product Design Award 2011, the Interior Innovation Award 2012 and the Good Design Award 2011.

OLED components





All figures in mm

Product reference	Product number	BIN	V	A	cd/cm²	lm	Ra	K	COLOR	lm/W	No.
OLED components											
ORBEOS CDW-030 [1]	[2]	41-43	6.3	0.11	2000	28	80	3300	warm white	40	1
ORBEOS SDW-058 [1]	[2]	41-43	6.3	0.26	2000	67	80	3300	warm white	40	2

Product characteristics
- Diffuse, glare-free area light source
- High luminous efficacy
- Low DC voltage
- Mercury-free and RoHS compliant

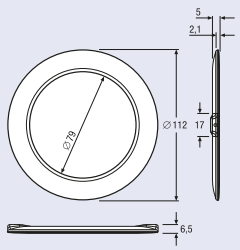
Product benefits
- High-quality warm white light for high-end applications
- Thin, lightweight and aesthetic design
- Ideal for filigree lighting applications, as additional thermal management is not required

Applications
- Object illumination and integration into furniture
- Mood lighting
- Shop lighting
- Design luminaires
- Architainment

For current photometric data and important safety, installation and application information, see www.osram.com/oled

1) All the technical parameters apply to the entire component. In view of the complex manufacturing process for organic light-emitting diodes, the specified typical values for the technical OLED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values. For more information, please refer to www.osram.com/oled.
2) Data not available at time of going to press

OLED module



All figures in mm

Product reference	Product number	BIN	V	A	cd/cm²	lm	Ra	K	COLOR	lm/W
OLED module										
ORBEOS DANCE [1]	4008321**981097**	25-33	3.7	0.27	900	13	85	2900	warm white	14

Product characteristics

- Glare-free, warm white area light source with a reflective surface
- Stylish low-profile design in a round form with high-quality synthetic ring with metallic look
- Mercury-free and RoHS compliant

Product benefits

- Plug-&-play installation and easy replacement possible
- Rotable installation enables complex designs
- High-quality ambient lighting thanks to high-quality light and good color rendering
- No UV or IR radiation, therefore ideal for illuminating sensitive items

Applications

- Home applications in designer luminaires, furniture and home accessories
- Eye catcher, design element and mood light for shop lighting
- Can be used in the office sector as desk lights, for reception counters and as desktop accessories

For current photometric data and important safety, installation and application information, see www.osram.com/oled

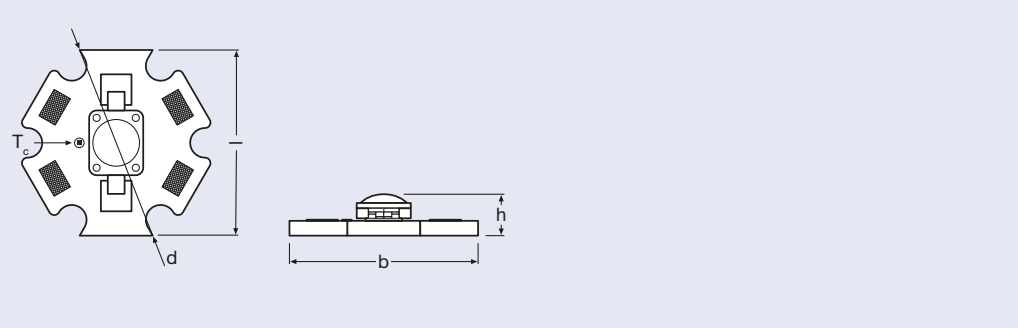
1) All the technical parameters apply to the entire component. In view of the complex manufacturing process for organic light-emitting diodes, the specified typical values for the technical OLED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values. For more information, please refer to www.osram.com/oled.

LED modules

Impressive efficiency, high performance, great freedom of design – in many areas of application. Discover the versatility of OSRAM LED modules.

DRAGON-X® Plus	16
DRAGONpuck®	17
COINlight® Pro	18
COINlight® AR111	19
DRAGONeye®	20
LINEARlight POWER Flex Protect	21
LINEARlight Flex® Protect ADVANCED	22
LINEARlight Flex® Protect ECO	23
LINEARlight Flex® Value IP	24
LINEARlight POWER Flex Generation II	25
LINEARlight Flex® ShortPitch	26
LINEARlight Flex® ADVANCED Generation II	27
LINEARlight Flex® ECO	28
DRAGONchain® Tunable White	29
LINEARlight Flex® SIDELED®	30
LINEARlight 10 V	31
LINEARlight-DRAGON®	32
LINEARlight-DRAGON® Slim	34
LINEARlight POWER	35
LINEARlight ADVANCED	37
LINEARlight ECO	39
LINEARlight Colormix Flex	41
LINEARlight Colormix Flex Protect	42
DRAGONchain® Colormix RGBW	43
LINEARlight Colormix	44
Zubehör	46
BoxLED® Side	56
BoxLED® Back	57
BackLED L	58
BackLED M	59
BackLED S	60
Mounting profile for BoxLED® and BackLED	61
STREETlight Protect – constant voltage	62
HPML™ Core – constant current	63
HPML™ Advance – constant current/high output	64
STREETlight Advanced – constant voltage	65

DRAGON-X® PLUS



Product reference	Product number	COLOR		A	W		K	lm	l [mm]	b [mm]	h [mm]	d [mm]	
DRAGON-X® Plus													
DX01-W4F-830 [1]	4008321**960023**	white	1	0.350	1.2	170	3000	80	20	20	4.5	21.4	60
DX01-W4F-854 [1]	4008321**960047**	white	1	0.350	1.2	170	5400	92	20	20	4.5	21.4	60

Product characteristics
- Hexagonal metal core board equipped with one high-power LED
- Efficiency of up to 76 lm/W
- Dimmable

Product benefits
- Optimum heat removal
- Enormous freedom of design thanks to compact dimensions
- At an operating current of 700 mA, the luminous flux increases to 150 lm (DX01-W4F-854) or 130 lm
- (DX01-W4F-830)
- Low maintenance costs thanks to a lifetime of up to 70000 hours

Applications
- For portable fixtures and spotlights
- Safety lighting and signal lights
- Architecture, shop or indoor fixtures

System recommendation*:

Constant current power supplies
- OT 9/200-240/350
- OT 9/200-240/350 DIM
- OTe 9/220-240/350 PC
- OTe 15/220-240/350 PC
- OTe 20/220-240/350 PC
- OT 35/220-240/700 LTCS
- OT DALI® 45/220-240/700 LTCS

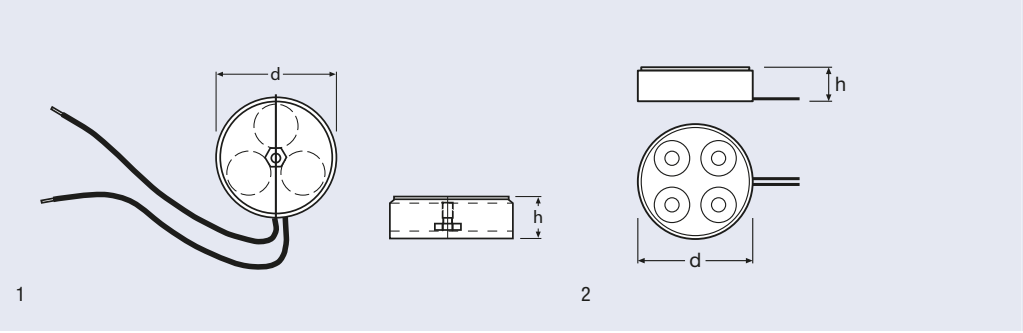
Dimmers
- OT DMX 3x350 DIM LI
- OTi DALI® 2x700 CS

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

DRAGONpuck®



Product reference	Product number	COLOR		A	W		K	cd	lm	h [mm]	d [mm]		No.
DRAGONpuck®													
DP35-W4F-3-827 1)	4008321**976123**	white	3	0.350	3	36	2700	540	270	12	35	16	1
DP35-W4F-3-857 1)	4008321**976147**	white	3	0.350	3	36	5700	650	320	12	35	16	1
DP35-W4F-7-827 1)	4008321**976161**	white	3	0.700	7	36	2700	1000	500	12	35	16	1
DP35-W4F-7-857 1)	4008321**976185**	white	3	0.700	7	36	5700	1200	600	12	35	16	1
DP35-W4F-9-827 1)	4008321**976208**	white	4	0.700	9	36	2700	1330	670	12	35	16	2
DP35-W4F-9-857 1)	4008321**976222**	white	4	0.700	9	36	5700	1600	800	12	35	16	2
DP51-W4F-3-827 1)	4008321**976123**	white	3	0.350	3	36	2700	540	270	12	51	16	1
DP51-W4F-3-857 1)	4008321**976246**	white	3	0.350	3	36	5700	650	320	12	51	16	1
DP51-W4F-7-827 1)	4008321**976284**	white	3	0.700	7	36	2700	1000	500	12	51	16	1
DP51-W4F-7-857 1)	4008321**976307**	white	3	0.700	7	36	5700	1200	600	12	51	16	1
DP51-W4F-9-827 1)	4008321**976321**	white	4	0.700	9	36	2700	1330	670	12	51	16	2
DP51-W4F-9-857 1)	4008321**976345**	white	4	0.700	9	36	5700	1600	800	12	51	16	2

Product characteristics
- Luminous intensity comparable to that of halogen lamps MR11 and MR16 (20 W, 35 W, 50 W)
- Integrated optics with a 36° beam angle
- For series connection
- Two-core connecting cable with a length of 200 mm
- Simple fixing with M3 screw
- Dimmable, FineWhite

Product benefits
- Module efficiency of up to 100 lm/W
- System+ Guarantee in connection with OSRAM OPTOTRONIC® control gear
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Shops, furniture fixtures, hotels and restaurants

Accessories
- Heat sink CPDPHS

System recommendation*:

Constant current power supplies
- OT 9/200-240/350
- OT 9/200-240/350 DIM
- OTe 9/220-240/700 PC
- OTe 15/220-240/350 PC
- OTe 15/200-240/700 PC
- OT 18/200-240/700 DIM
- OTe 20/220-240/350 PC
- OTe 20/200-240/700 PC
- OTe 35/220-240/700
- OT 35/220-240/700 LTCS
- OT 45/220-240/700 LTCS
- OT DALI® 45/220-240/700 LTCS

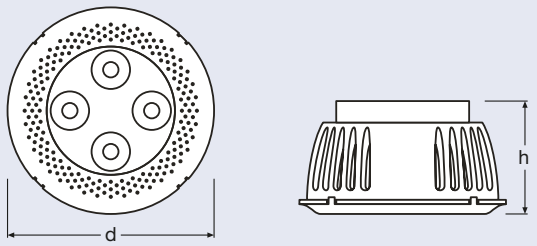
Dimmers
- OT DMX 3x350 DIM LI
- OTi DALI® 2x700 CS

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

COINlight® PRO



Product reference	Product number	COLOR		V	W		K	cd	lm	Cable length [mm]	h [mm]	d [mm]	
COINlight® Pro													
CP51-W4F-4-827 [1)]	4008321**975843**	white	3	24	4	36	2700	540	270	500	23	50	20
CP51-W4F-4-857 [1)]	4008321**975867**	white	3	24	4	36	5700	650	320	500	23	50	20
CP51-W4F-8-827 [1)]	4008321**975881**	white	3	24	8	36	2700	1000	500	500	23	50	20
CP51-W4F-8-857 [1)]	4008321**975904**	white	3	24	8	36	5700	1200	600	500	23	50	20
CP51-W4F-10-827 [1)]	4008321**975928**	white	4	24	10	36	2700	1330	670	500	23	50	20
CP51-W4F-10-857 [1)]	4008321**975942**	white	4	24	10	36	5700	1600	800	500	23	50	20

Product characteristics
- Luminous intensity comparable to halogen lamps MR16 (20 W, 35 W, 50 W)
- Integrated optics with a 36° beam angle
- High-quality aluminum casing
- For parallel connection
- Three-core connecting cable with a length of 500 mm
- Dimmable
- FineWhite

Product benefits
- Suitable for MR16 luminaires
- Module efficiency of up to 86 lm/W
- System+ Guarantee in connection with OSRAM OPTOTRONIC® control gear
- Low maintenance costs thanks to a lifetime of up to 50000 hours
- CP51-W4F-4 can be operated without an additional heat sink
- CP51-W4F-8 can be operated without an additional heat sink (reduction of lifetime up to 25000 h)

Applications
- Shop and furniture fixtures
- Hotels
- Restaurants

Accessories
- Heat sink CPDPHS

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OT 80/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

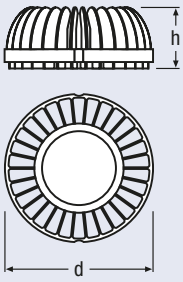
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

COINlight® AR111



Product reference	Product number	COLOR		A	W		K	cd	lm	h [mm]	d [mm]	
COINlight® AR111												
CT5B-W4F-827-L24 [1]	4008321**989420**	white	5	0.700	12	24	2700	3500	740	46	111	12
CT5B-W4F-830-L24 [1]	4008321**989444**	white	5	0.700	12	24	3000	4000	820	46	111	12
CT7B-W4F-827-L24 [1]	4008321**989468**	white	7	0.700	16	24	2700	5000	1040	46	111	12
CT7B-W4F-830-L24 [1]	4008321**989482**	white	7	0.700	16	24	3000	5500	1140	46	111	12
CT11B-W4F-827-L24 [1]	4008321**989505**	white	11	0.700	25	24	2700	7780	1620	46	111	12
CT11B-W4F-830-L24 [1]	4008321**989529**	white	11	0.700	25	24	3000	8500	1780	46	111	12

Product characteristics
- Luminous intensity comparable to that of halogen lamps AR111 (50 W, 75 W, 100 W)
- Integrated optics and heat sink
- For series connection
- Two-core connecting cable
- Dimmable
- FineWhite

Product benefits
- Suitable for AR111 luminaires
- Module efficiency of up to 71 lm/W
- No additional heat sink required
- System+ Guarantee in connection with OSRAM OPTOTRONIC® control gear
- Low maintenance costs thanks to a lifetime of up to 30000 hours

Applications
- Hotels
- Offices
- Shop
- Museums, art galleries

System recommendation*:

Constant voltage power supplies
- OT 15/220-240/700 PC
- OT 18/200-240/700
- OT 20/220-240/700 PC
- OTe 35/220-240/700
- OTe 35/220-240/700 SD
- OT 35/220-240/LTCS
- OT 45/220-240/LTCS
- OT DALI® 45/220-240/700 LTCS

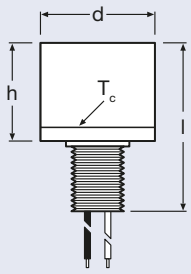
Dimmers
- OTi DALI® 2x700 CS

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

DRAGONeye®



Product reference	Product number	COLOR		A	W		K	cd	Cable length [mm]	h [mm]	d [mm]	
DRAGONeye®												
DE1-W3F-830 [1]	4008321**365361**	white	1	0.350	1.2	15	3000	485	500	33	23	264
DE1-W4F-854 [1]	4008321**364999**	white	1	0.350	1.2	15	5400	650	500	33	23	264

Product characteristics
- Metal casing with M10x1.5 thread for simple mounting
- No additional heat sink required
- Type of protection IP65 according to DIN EN 60529
- For series connection
- Two-core connecting cable with a length of 500 mm
- For series connection
- Dimmable
- FineWhite

Product benefits
- Narrow beam angle for use as a spotlight
- Perfect centering thanks to flange on the floor of the casing (diameter: 12 mm)
- Low maintenance costs thanks to a lifetime of up to 70000 hours

Applications
- For accent, orientation or route lighting indoors and outdoors
- Lighting in furniture and shelving

System recommendation*:

Constant voltage power supplies
- OT9/10-24/350 DIM
- OT9/200-240/350
- OT9/200-240/350 DIM

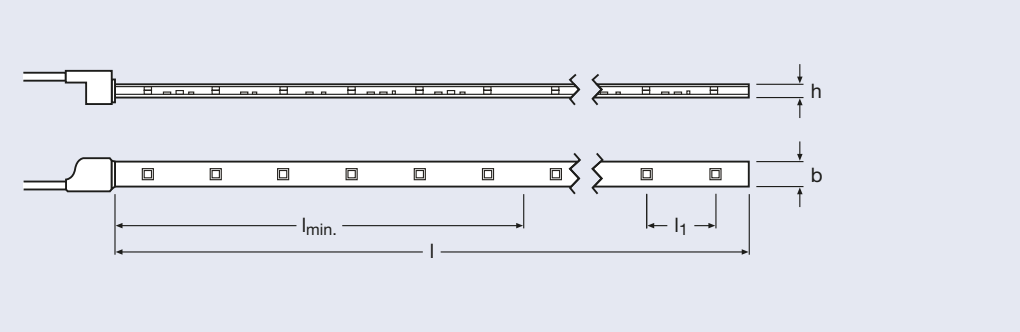
Dimmers
- OT DMX 3x350 DIM LI
- OTi DALI® 2x700 CSD

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight POWER Flex Protect



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight POWER Flex Protect														
LF06P-W4F-827-P [1]	4008321**621894**	white	120	24	72	120	2700	2880	3000	150	25	11	4.5	8
LF06P-W4F-830-P [1]	4008321**621870**	white	120	24	72	120	3000	2880	3000	150	25	11	4.5	8
LF06P-W4F-840-P [1]	4008321**621856**	white	120	24	72	120	4000	3650	3000	150	25	11	4.5	8
LF06P-W4F-854-P [1]	4008321**621917**	white	120	24	72	120	5400	3650	3000	150	25	11	4.5	8

Product characteristics
- IP67 protected, flexible and cuttable LED strip
- Luminous flux of up to 1200 lm/m
- With pre-assembled feeder for simple connection
- Dimmable
- FineWhite

Product benefits
- High-performance silicon for extremely long lifetime and flexibility
- Stylish design
- Highly UV-resistant
- Salt mist proof

Applications
- Facade accent lighting
- Ceiling integration, wall integration
- Cove lighting
- Machine lighting
- Path lighting, signage

Accessories
- IP67 protected CONNECTsystem LF-PROTECT for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

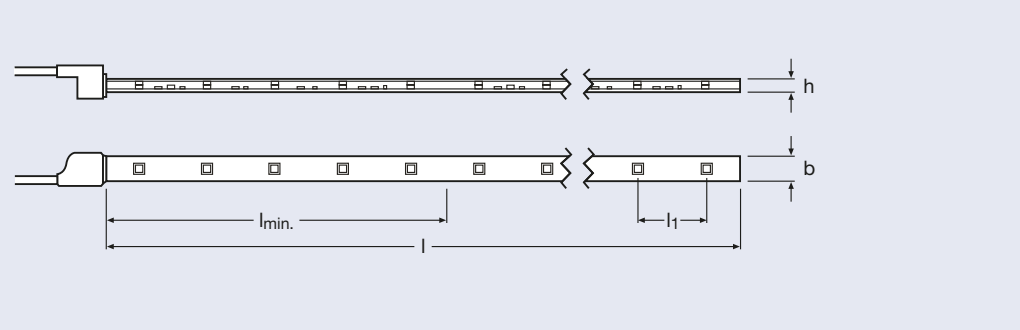
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Flex® Protect ADVANCED



Product reference	Product number	COLOR		V	W		λ	K	lm	l [mm]	lmin. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® Protect ADVANCED															
LF05A-W3F-830-P [1]	4008321**617217**	white	495	24	72	120	–	3000	2100	9900	100	20	11	4.5	8
LF05A-W3F-840-P [1]	4008321**619266**	white	495	24	72	120	–	4000	2700	9900	100	20	11	4.5	8
LF05A-W3F-860-P [1]	4008321**617392**	white	495	24	72	120	–	6000	2100	9900	100	20	11	4.5	8
LF05A-B3-P [1]	4008321**617804**	blue	495	24	72	120	467	–	840	9900	100	20	11	4.5	8

Product characteristics
- IP67 protected, flexible and cuttable LED strip
- Extremely long for seamless light, with small horizontal pitches
- With pre-assembled feeder for simple connection
- Dimmable
- FineWhite

Product benefits
- High-performance silicon for extremely long lifetime and flexibility
- Simple mounting and connection
- Stylish design
- Highly UV-resistant
- Salt mist proof

Applications
- Cove lighting
- Wall integration
- Hand rails, corridors
- Machine lighting
- Path lighting, signage

Accessories
- IP67 protected CONNECTsystem LF-PROTECT for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

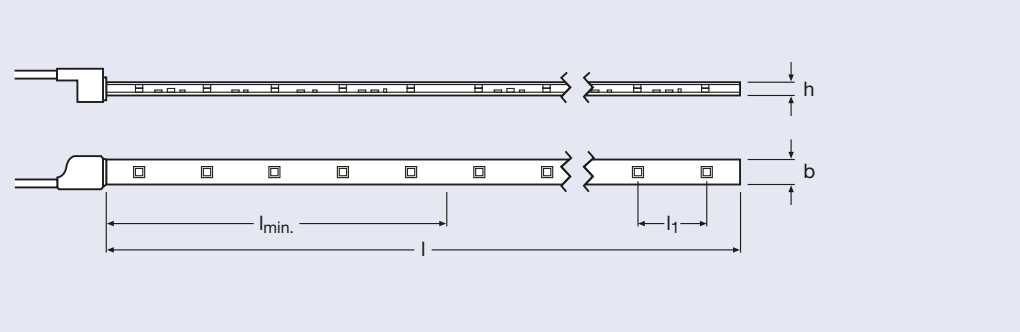
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Flex® Protect ECO



Product reference	Product number	COLOR		V	W		λ	K	lm	l [mm]	lmin. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® Protect ECO															
LF05E-W2F-830-P [1]	4008321**616432**	white	200	24	24.5	120	–	3000	765	6000	150	30	11	4.5	8
LF05E-W2F-840-P [1]	4008321**621184**	white	200	24	24.5	120	–	4000	940	6000	150	30	11	4.5	8
LF05E-W2F-860-P [1]	4008321**616777**	white	200	24	24.5	120	–	6000	765	6000	150	30	11	4.5	8
LF05E-B2-P [1]	4008321**616913**	blue	200	24	24.5	120	467	–	290	6000	150	30	11	4.5	8
LF05E-R1-P [1]	4008321**616937**	red	200	24	36	120	625	–	840	6000	150	30	11	4.5	8
LF05E-T2-P [1]	4008321**616951**	green	200	24	24.5	120	522	–	940	6000	150	30	11	4.5	8
LF05E-Y1-P [1]	4008321**616975**	yellow	200	24	36	120	587	–	840	6000	150	30	11	4.5	8

Product characteristics
- IP67 protected, flexible and cuttable LED strip
- With pre-assembled feeder for simple connection
- Dimmable
- FineWhite

Product benefits
- High-performance silicon for extremely long lifetime and flexibility
- Stylish design
- Highly UV-resistant
- Salt mist proof

Applications
- Decorative applications
- Wall integration
- Backlighting of complex structures
- Path lighting, signage

Accessories
- IP67 protected CONNECTsystem LF-PROTECT for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

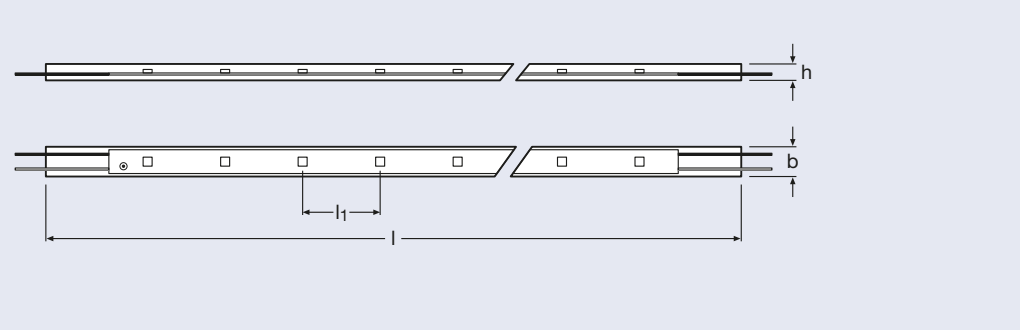
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Flex® Value IP



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® Value IP														
VI05A-W3-730 [1]	4008321**643933**	white	300	24	25	120	3000	1250	6000	100	20	11	6	8
VI05A-W3-760 [1]	4008321**643957**	white	300	24	25	120	6000	1300	6000	100	20	11	6	8

Product characteristics
- IP66 protected, flexible LED strip
- Simple connection thanks to integrated cables on both ends
- Dimmable

Product benefits
- Low profile
- Salt mist proof

Applications
- Signage/illuminated lettering
- Architecture lighting
- Wall integration

Accessories
- Included: clips, end caps, IP65 connector

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

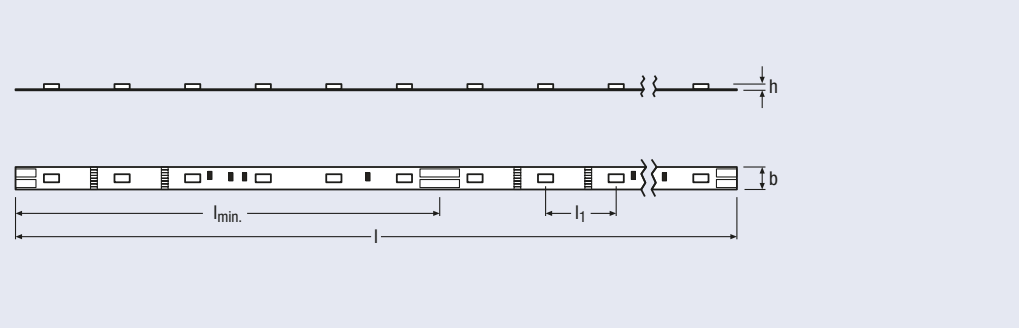
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight POWER Flex Generation II



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight POWER Flex Generation II														
LF06P2-W5F-827 1)	4008321**971272**	white	120	24	68	120	2700	4792	3000	150	25	8	2.5	8
LF06P2-W5F-830 1)	4008321**971296**	white	120	24	68	120	3000	5168	3000	150	25	8	2.5	8
LF06P2-W5F-840 1)	4008321**971319**	white	120	24	68	120	4000	5544	3000	150	25	8	2.5	8
LF06P2-W5F-854 1)	4008321**971791**	white	120	24	68	120	5400	5544	3000	150	25	8	2.5	8
LF06P2-W5F-865 1)	4008321**971340**	white	120	24	68	120	6500	5544	3000	150	25	8	2.5	8

Product characteristics
- Flexible, cuttable LED strip
- Luminous flux of up to 1800 lm/m
- Large selection of light colors
- Dimmable
- Powerful LED light source
- FineWhite

Product benefits
- Module efficiency up to 80 lm/W
- Low profile

Applications
- Cove lighting
- Signage (advertising and lettering)

Accessories
- CONNECTsystem LF for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

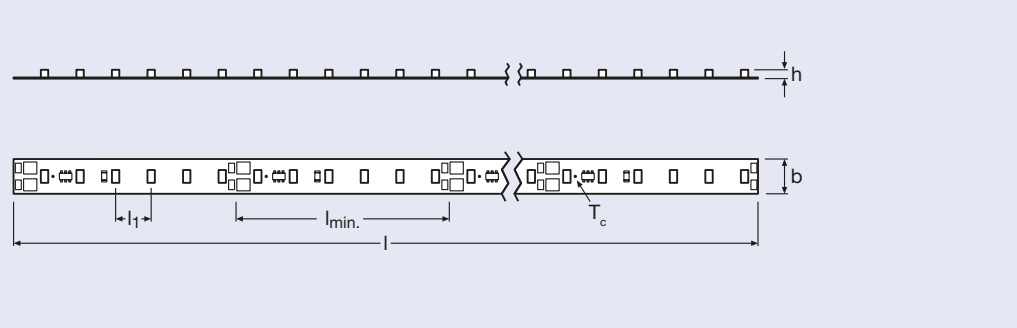
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Flex® ShortPitch



Product reference	Product number	COLOR		V	A	W		K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® ShortPitch															
LF06S-W3F-827 [1]	4008321**973887**	white	720	24	2.4	58	120	2700	4680	6000	50	8.33	8	2	8
LF06S-W3F-830 [1]	4008321**973894**	white	720	24	2.4	58	120	3000	4680	6000	50	8.33	8	2	8
LF06S-W3F-840 [1]	4008321**973900**	white	720	24	2.4	58	120	4000	5076	6000	50	8.33	8	2	8
LF06S-W3F-854 [1]	4008321**973917**	white	720	24	2.4	58	120	5400	5076	6000	50	8.33	8	2	8
LF06S-W3F-865 [1]	4008321**973924**	white	720	24	2.4	58	120	6500	5076	6000	50	8.33	8	2	8

Product characteristics
- Flexible LED strip
- Very small LED spacing
- Luminous flux of up to 840 lm/m
- FineWhite

Product benefits
- Suitable for low-profile enclosed fittings
- Module efficiency of up to 88 lm/W

Applications
- Edge injection
- Small coving
- Path lighting, contour accent lighting
- Signage (advertising and lettering)

Accessories
- CONNECTsystem LF for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

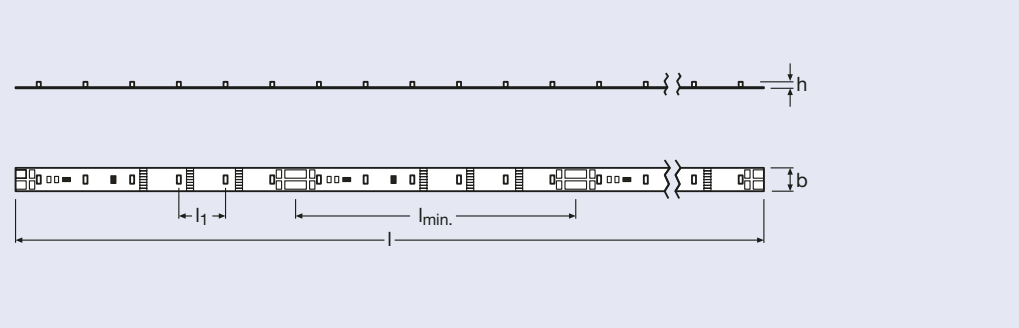
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x2,5A DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Flex® ADVANCED Generation II



Product reference	Product number	COLOR		V	W		λ	K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® ADVANCED Generation II															
LF06A-W3F-827 1)	4008321**973986**	white	600	24	48	120	–	2700	3900	10000	100	16.7	8	2.1	8
LF06A-W3F-830 1)	4008321**973993**	white	600	24	48	120	–	3000	3900	10000	100	16.7	8	2.1	8
LF06A-W3F-840 1)	4008321**974006**	white	600	24	48	120	–	4000	4230	10000	100	16.7	8	2.1	8
LF06A-W3F-854 1)	4008321**974013**	white	600	24	48	120	–	5400	4230	10000	100	16.7	8	2.1	8
LF06A-W3F-865 1)	4008321**974020**	white	600	24	48	120	–	6500	4230	10000	100	16.7	8	2.1	8

Product characteristics
- Flexible, cuttable LED strip
- Very long for seamless light bands, yet cuttable into small units
- Large selection of light colors
- Dimmable
- FineWhite

Product benefits
- Module efficiency of up to 88 lm/W
- Low profile

Applications
- Cove lighting
- Signage (advertising and lettering)

Accessories
- CONNECTsystem LF for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

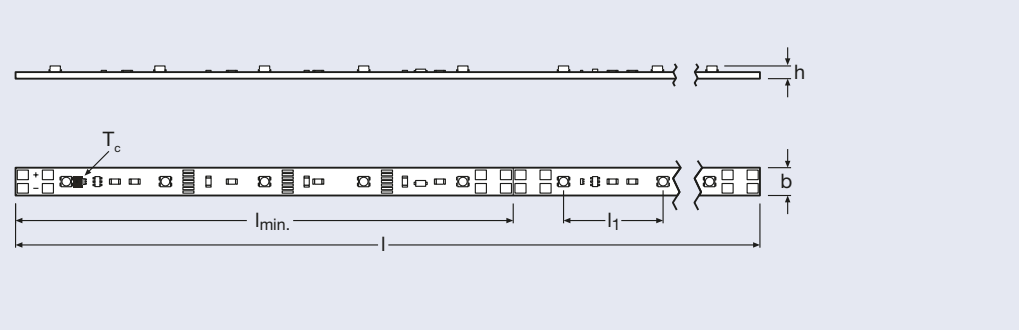
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Flex® ECO



Product reference	Product number	COLOR		V	W		λ	K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® ECO															
LF05E2-W2F-827 [1]	4008321**971357**	white	500	24	36	120	–	2700	2200	10000	100	20	8	2.5	8
LF05E2-W2F-730 [1]	4008321**971371**	white	500	24	36	120	–	3000	2200	10000	100	20	8	2.5	8
LF05E2-W2F-740 [1]	4008321**971395**	white	500	24	36	120	–	4000	2400	10000	100	20	8	2.5	8
LF05E2-W2F-865 [1]	4008321**971418**	white	500	24	36	120	–	6500	2200	10000	100	20	8	2.5	8
LF05E-B2 [1]	4008321**955425**	blue	200	24	24.5	120	470	–	290	6000	150	30	8	2.5	8
LF05E-R1 [1]	4008321**955418**	red	200	24	36	120	625	–	840	6000	150	30	8	2.5	8
LF05E-T2 [1]	4008321**955449**	green	200	24	24.5	120	525	–	940	6000	150	30	8	2.5	8
LF05E-Y1 [1]	4008321**955432**	yellow	200	24	36	120	587	–	840	6000	150	30	8	2.5	8

Product characteristics
- Flexible, cuttable LED strip
- Very long for seamless bands of light
- Dimmable
- FineWhite

Product benefits
- Low profile

Applications
- Decorative applications
- Signage
- Orientation lighting

Accessories
- CONNECTsystem LF for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 240/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4

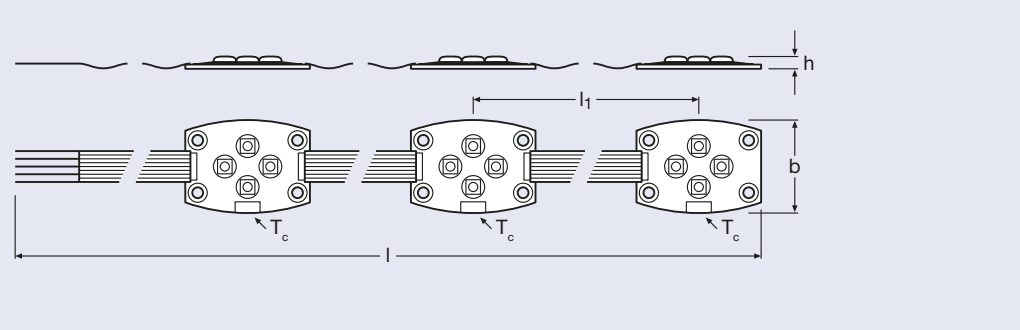
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

DRAGONchain® Tunable White



Product reference	Product number	COLOR		V	W		K	Im	l [mm]	l1 [mm]	b [mm]	h [mm]	
DRAGONchain® Tunable White													
DC24B-TW [1) 3)]	4008321**709233**	tunable white	24	24	24	135	2700…6500	1770 [2)]	3000	500	39	6.2	6

Product characteristics
- Flexible chain consisting of 6 LED modules each with 4 LEDs (2x 2700 K, 2x 6500 K)
- With protective coating (IPX5) for outdoor and high-humidity applications
- Electrically insulated back
- Simple fixing with M3 screws

Product benefits
- Dynamic white light from 2700 K to 6500 K
- Flexible programming of mood lighting in conjunction with light management systems
- Extremely wide-angle optics for uniform backlighting of large surfaces
- Low maintenance costs thanks to a lifetime of up to 40000 hours

Applications
- Daylight simulation
- Spa
- Shop: Targeted product presentation thanks to variable color temperature
- Offices
- Museums, art galleries: UV and IR-free light preserves exhibits

Accessories
- Heat sink DC24HS

System recommendation*:

Constant voltage power supplies**
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 24/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4
- OT EASY 60 II

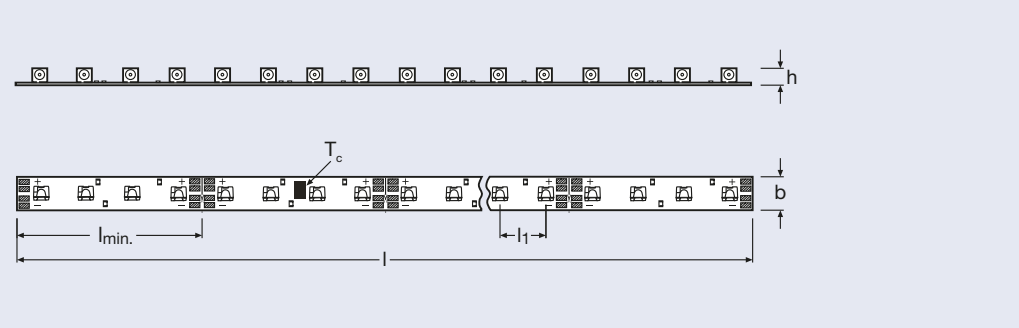
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) Depending on color temperature. Specified maximum value.
3) The power supply must be short-circuit-proof.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.
**) The power supply used must be short-circuit-proof

LINEARlight Flex® SIDELED®



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Flex® SIDELED®														
LM11A-W3-847 1)	4008321**187161**	white	300	10	30	120	4700	1000	4200	56	14	10,4	4,5	8
LM11A-W3-854 1)	4008321**187185**	white	300	10	30	120	5400	1000	4200	56	14	10,4	4,5	8
LM11A-W3-865 1)	4008321**187208**	white	300	10	30	120	6500	1000	4200	56	14	10,4	4,5	8

Product characteristics
- Flexible, cuttable LED strip
- Light emission parallel to the mounting surface
- LEDs with short spacing

Applications
- Path lighting, contour accent lighting
- Signage (corona effect)

Accessories
- CONNECTsystem LM for simple installation without soldering

System recommendation*:

Constant voltage power supplies
- OT 12/220-240/10 LE
- OT 15/220-240/10
- OT 50/220-240/10
- OT 50/220-240/10 E

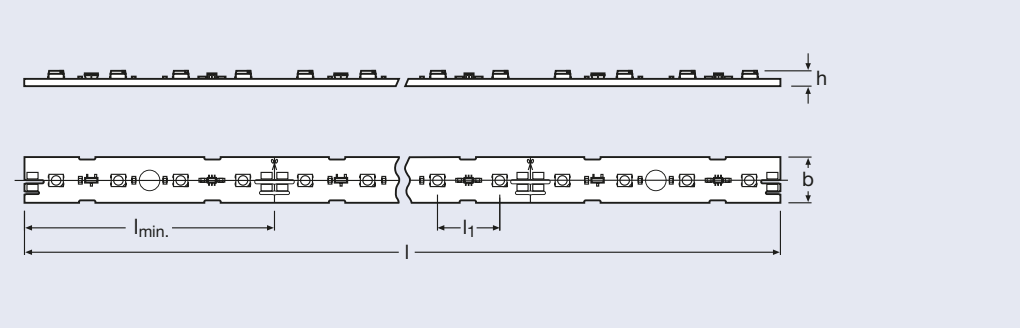
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight 10 V



Product reference	Product number	COLOR		V	W		λ	K	lm	l [mm]	l min. [mm] 2	l1 [mm]	b [mm]	h [mm]	
LINEARlight 10 V															
LM01A-W3F-827 1)	4008321**372390**	white	32	10	4	120	–	2700	88	448	56	14	10	4	10
LM01A-W3F-830 1)	4008321**342997**	white	32	10	4	120	–	3000	111	448	56	14	10	4	10
LM01A-W3F-840 1)	4008321**343413**	white	32	10	4	120	–	4000	111	448	56	14	10	4	10
LM01A-W3F-854 1)	4008321**387950**	white	32	10	4	120	–	5400	111	448	56	14	10	4	10
LM01A-B2 1)	4008321**313652**	blue	32	10	4	120	470	–	34	448	56	14	10	4	10
LM01A-A1 1)	4050300**887128**	red	32	10	4	120	617	–	78	448	56	14	10	4	10
LM01A-O1 1)	4050300**888040**	orange	32	10	4	120	606	–	98	448	56	14	10	4	10
LM01A-T2 1)	4050300**887845**	green	32	10	4	120	525	–	57	448	56	14	10	4	10
LM01A-Y1 1)	4008321**015969**	yellow	32	10	4	120	587	–	69	448	56	14	10	4	10

Product characteristics
- Splittable LED board (smallest unit: 4 LEDs with 56 mm length)
- Mounting holes for secure fixing
- Dimmable

Product benefits
- Very low thermal output despite low profile
- Serial connection of up to 3 modules
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Edge coupling
- Path lighting, contour accent lighting
- Orientation and safety lighting

Accessories
- CONNECTsystem LM
- LINEARlight Track LT-H
- OP4x1 optics

System recommendation*:

Constant voltage power supplies
- OT 12/220-240/10 LE
- OT 15/220-240/10
- OT 50/220-240/10
- OT 50/220-240/10 E

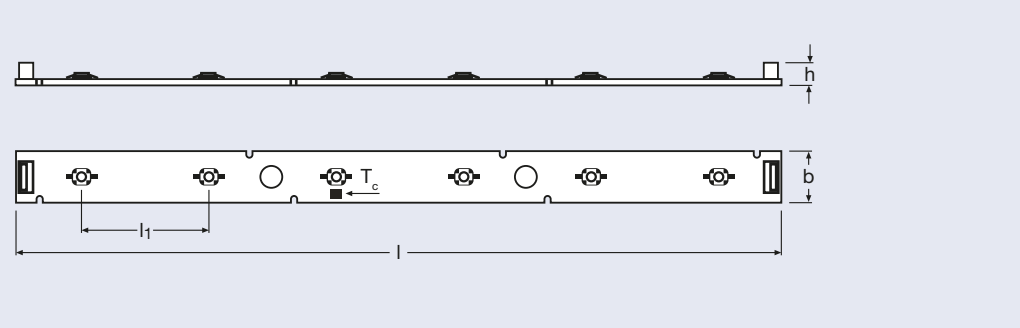
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight-DRAGON® (module)



Product reference	Product number	COLOR		V	W	°	K	lm	l [mm]	l_1 [mm]	b [mm]	h [mm]	
LINEARlight-DRAGON® (module)													
D06B-W4F-830 [1]	4008321**395757**	white	6	24	12	170	3000	630	300	50	20	8.5	6
LD06B-W4F-840 [1]	4008321**395870**	white	6	24	12	170	4000	630	300	50	20	8.5	6
LD06B-W4F-854 [1]	4008321**395993**	white	6	24	12	170	5400	630	300	50	20	8.5	6

Product characteristics
- Metal core board with six high-power LEDs
- Mounting holes for secure fixing
- Dimmable

Product benefits
- With mid-feed up to six modules can be operated on one control gear unit
- Low maintenance costs thanks to a lifetime of up to 70000 hours

Applications
- Cove lighting
- Shelf lighting, cupboard lighting

Accessories
- CONNECTsystem LD
- OP1x1 optics

System recommendation*:

Constant voltage power supplies
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

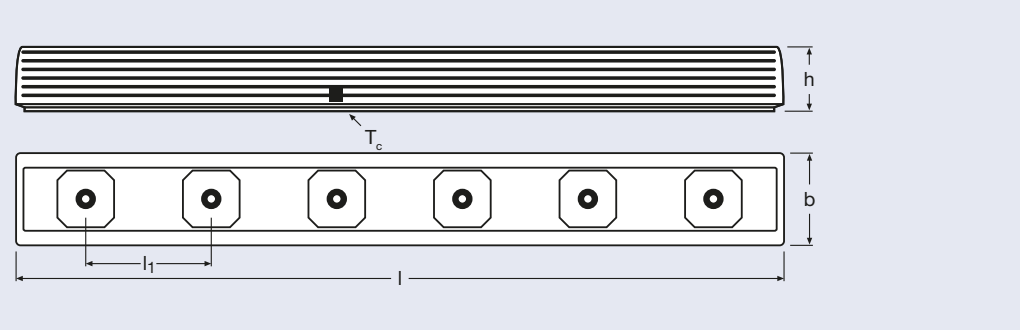
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight-DRAGON® (complete module)



Product reference	Product number	COLOR		V	W		K	cd	l [mm]	l_1 [mm]	b [mm]	h [mm]	
LINEARlight-DRAGON® (complete module)													
LD06B-W4F-830-L30 [1]	4008321**394491**	white	6	24	12	30	3000	1350	307	50	36	25.8	6
LD06B-W4F-840-L30 [1]	4008321**394613**	white	6	24	12	30	4000	1350	307	50	36	25.8	6
LD06B-W4F-854-L30 [1]	4008321**395290**	white	6	24	12	30	5400	1350	307	50	36	25.8	6

Product characteristics
- High-value batten fixture with six high-flux LEDs
- Aluminum housing for adequate heat removal
- Mounting with M3 screws or brackets
- Dimmable

Product benefits
- With mid-feed up to six modules can be operated on one control gear unit
- Ready-to-use with pre-assembled feeder for connection to the power supply
- Low maintenance costs thanks to a lifetime of up to 70000 hours

Applications
- Cove lighting
- Shelf lighting, cupboard lighting

Accessories
- CONNECTsystem LD
- Mounting brackets LD-MB

System recommendation*:

Constant voltage power supplies
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

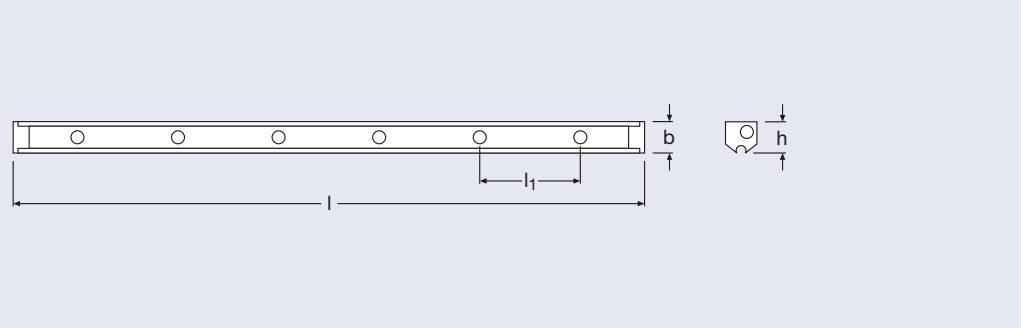
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight-DRAGON® Slim



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight-DRAGON® Slim													
LD06S-W4F-830 1)	4008321**953308**	white	6	24	6.8	120	3000	240	305	50	16	16.2	6
LD06S-W4F-840 1)	4008321**953322**	white	6	24	6.8	120	4000	240	305	50	16	16.2	6

Product characteristics
- Slim, attractive batten fixture with six LEDs
- Aluminum housing for adequate heat removal
- Diffused cover
- Adjustable
- Dimmable

Product benefits
- Serial operation of up to five modules on one control gear unit (connectable by included adapter and cable)
- Robust: coated board to protect against condensate
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Shelf/furniture lighting
- Display lighting
- Small coving

Accessories
- Mounting and connection systems included

System recommendation*:

Constant voltage power supplies
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

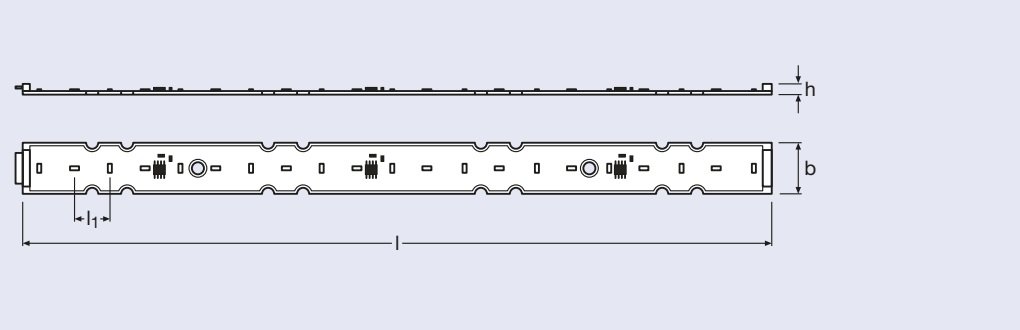
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight POWER (module)



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight POWER (module)													
LR21P-W2F-830 [1]	4008321**971470**	white	21	24	8	120	3000	630	280	13	20	3	8
LR21P-W2F-840 [1]	4008321**971494**	white	21	24	8	120	4000	630	280	13	20	3	8

Product characteristics
- Metal core board equipped with 21 LEDs
- Luminous flux comparable to T5 fluorescent lamps HE
- Luminous flux of up to 2250 lm/m
- Integrated SMD plug connector (male/female) on both sides of the PCB
- Color rendering Ra typ. 85
- Mounting holes for simple fixing
- Dimmable

Product benefits
- Modules can be joined together to make seamless strip lighting, without any further accessories
- Up to six modules connected in series on one control gear unit
- Module efficiency of up to 88 lm/W
- Intermateable with LINEARlight LR14A, LR14E
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Coving
- Shelf lighting, cupboard lighting

Accessories
- Can be expanded with optional accessories to create an individual complete module
- CONNECTsystem LR
- LINEARlight Track LT
- OPLR optics
- OTR optics tray

System recommendation*:

Constant voltage power supplies
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

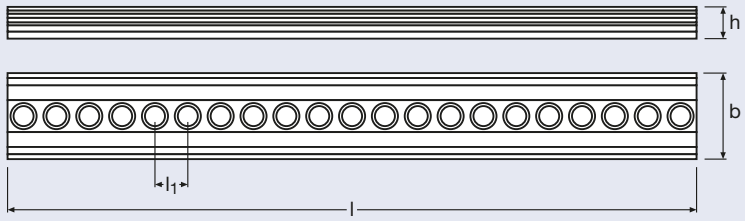
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight POWER (complete module)



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight POWER (complete module)													
LR21P-W2F-830-L30 [1)]	4008321**971630**	white	21	24	8	30	3000	570	280	13	36	13	8
LR21P-W2F-840-L30 [1)]	4008321**971654**	white	21	24	8	30	4000	570	280	13	36	13	8
LR21P-W2F-830-L80 [1)]	4008321**978707**	white	21	24	8	80	3000	570	280	13	36	13	8
LR21P-W2F-840-L80 [1)]	4008321**978721**	white	21	24	8	80	4000	570	280	13	36	13	8

Product characteristics
- High-quality designer batten fixture equipped with 21 LEDs
- Aluminum housing for adequate heat removal
- Luminous flux of up to 2050 lm/m
- Integrated optics
- Simple mounting with M3 screws or brackets
- Color rendering Ra typ. 85
- Dimmable

Product benefits
- Modules can be joined together to make seamless strip lighting, without any further accessories
- Up to six modules connected in series on one control gear unit
- Overall module efficiency of up to 76 lm/W
- Intermateable with LINEARlight LR14A, LR14E
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Cove lighting
- Shelf lighting, cupboard lighting

Accessories
- CONNECTsystem LR
- Mounting brackets LD-MB

System recommendation*:

Constant voltage power supplies
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

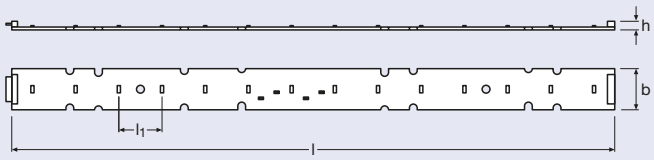
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight ADVANCED (module)



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight ADVANCED (module)													
LR14A-W2F-830 [1]	4008321**978400**	white	14	24	4.7	120	3000	400	280	20	20	3	8
LR14A-W2F-840 [1]	4008321**971531**	white	14	24	4.7	120	4000	400	280	20	20	3	8

Product characteristics
- Metal core board equipped with 14 LEDs
- Luminous flux comparable with short T5 fluorescent lamps (8 W, 13 W)
- Luminous flux 1400 lm/m
- Integrated SMD plug connector (male/female) on both sides of the PCB
- Color rendering Ra typ. 85
- Mounting holes for simple fixing
- Dimmable

Product benefits
- Modules can be joined together to make seamless strip lighting, without any further accessories
- Up to ten modules connected in series on one control gear unit
- Module efficiency of up to 88 lm/W
- Intermateable with LINEARlight LR21P, LR14E
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Coving
- Shelf lighting, cupboard lighting

Accessories
- Can be expanded with optional accessories to create an individual complete module
- CONNECTsystem LR
- LINEARlight Track LT
- OPLR optics
- OTR optics tray

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

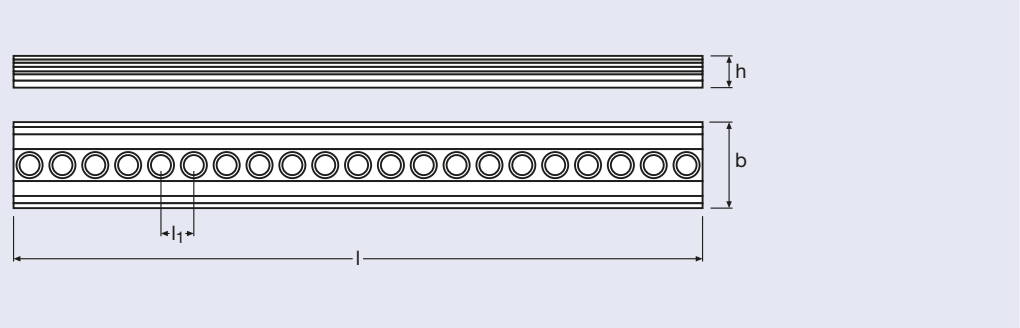
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight ADVANCED (complete module)



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight ADVANCED (complete module)													
LR14A-W2F-830-L30 [1]	4008321**971678**	white	14	24	4.7	30	3000	350	280	20	36	13	8
LR14A-W2F-840-L30 [1]	4008321**971692**	white	14	24	4.7	30	4000	350	280	20	36	13	8
LR14A-W2F-830-L80 [1]	4008321**978424**	white	14	24	4.7	80	3000	350	280	20	36	13	8
LR14A-W2F-840-L80 [1]	4008321**978448**	white	14	24	4.7	80	4000	350	280	20	36	13	8

Product characteristics
- High-quality designer batten fixture equipped with 14 LEDs
- Aluminum housing for adequate heat removal
- Luminous flux comparable with short T5 fluorescent lamps (8 W, 13 W)
- Luminous flux of up to 1250 lm/m
- Integrated optics
- Simple mounting with M3 screws or brackets
- Color rendering Ra typ. 85
- Dimmable

Product benefits
- Modules can be joined together to make seamless strip lighting, without any further accessories
- Up to six modules connected in series on one control gear unit
- Overall module efficiency of up to 76 lm/W
- Intermateable with LINEARlight LR21P, LR14E
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Cove lighting
- Shelf lighting, cupboard lighting

Accessories
- CONNECTsystem LR
- Mounting brackets LD-MB

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

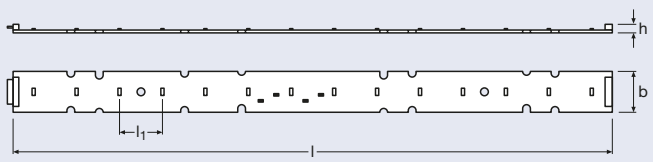
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight ECO (module)



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight ECO (module)													
LR14E-W2F-830 [1]	4008321**971555**	white	14	24	2.3	120	3000	200	280	20	20	3	8
LR14E-W2F-840 [1]	4008321**971579**	white	14	24	2.3	120	4000	200	280	20	20	3	8

Product characteristics
- Metal core board equipped with 14 LEDs
- Luminous flux 700 lm/m
- Integrated SMD-4 plug connector (male/female) on both sides of the PCB
- Color rendering Ra typ. 85
- Mounting holes for simple fixing
- Dimmable

Product benefits
- Modules can be joined together in series to make seamless strip lighting, without any further accessories
- Module efficiency of up to 96 lm/W
- Intermateable with LINEARlight LR21P, LR14A
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Shelf lighting, cupboard lighting
- Background lighting

Accessories
- Can be expanded with optional accessories to create an individual complete module
- CONNECTsystem LR
- LINEARlight Track LT
- OPLR optics
- OTR optics tray

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

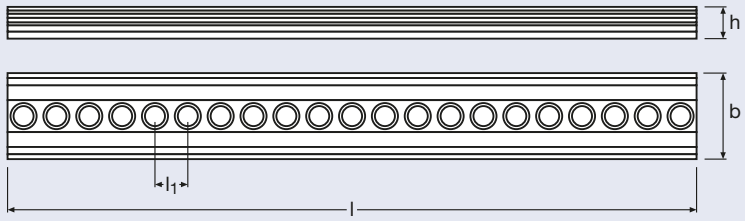
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight ECO (complete module)



Product reference	Product number	COLOR		V	W		K	lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight ECO (complete module)													
LR14E-W2F-830-L30 [1]	4008321**971715**	white	14	24	2.3	30	3000	170	280	20	36	13	8
LR14E-W2F-840-L30 [1]	4008321**971739**	white	14	24	2.3	30	4000	170	280	20	36	13	8
LR14E-W2F-830-L80 [1]	4008321**978585**	white	14	24	2.3	80	3000	170	280	20	36	13	8
LR14E-W2F-840-L80 [1]	4008321**978608**	white	14	24	2.3	80	4000	170	280	20	36	13	8

Product characteristics
- High-quality designer batten fixture equipped with 14 LEDs
- Aluminum housing for adequate heat removal
- Luminous flux of up to 610 lm/m
- Integrated optics
- Simple mounting with M3 screws or brackets
- Color rendering Ra typ. 85
- Dimmable

Product benefits
- Modules can be joined together in series to make seamless strip lighting, without any further accessories
- Overall module efficiency of up to 87 lm/W
- Intermateable with LINEARlight LR21P, LR14A
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Shelf lighting, cupboard lighting
- Background lighting

Accessories
- CONNECTsystem LR
- Mounting brackets LD-MB

System recommendation*:

Constant voltage power supplies
- OT 6/220-240/24 CE
- OT 8/220-240/24
- OT 20/220-240/24
- OT 20/220-240/24 S
- OT 45/220-240/24
- OT 65/220-240/24 3DIM E
- OT 75/220-240/24
- OTi DALI® 75/220-240/24 1-4

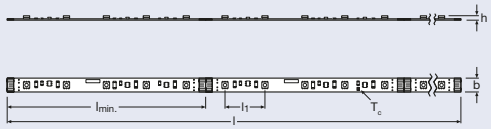
Dimmers
- OT DIM
- OTi DALI® DIM
- OTi DALI® DIM LI
- OT DMX 3x1A RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

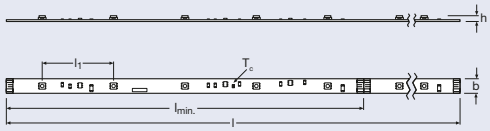
For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Colormix Flex



1



2

Product reference	Product number	COLOR		V	W		λ	Im	l [mm]	l min. [mm]	l1 [mm]	b [mm]	h [mm]		No.
LINEARlight Colormix Flex															
LF05CA-RGB3 [1]	4008321**592644**	RGB	200	24	72	120	625/525/467	1700	4000	100	20	8	2.2	8	1
LF05CE-RGB1 [1]	4008321**593375**	RGB	200	24	39	120	625/525/467	1075	6000	150	30	8	2.2	8	2

Product characteristics
- Flexible and cuttable LED strip with inline Multichip RGB LEDs

Product benefits
- Uniform color changing with three chips in one package
- Toolless connection with the optional CONNECTsystem

Applications
- Effect lighting in architecture
- For injecting light into transparent and dispersing materials
- Dynamic effects in public zones

Accessories
- CONNECTsystem LF for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 24/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4
- OT EASY 60 II

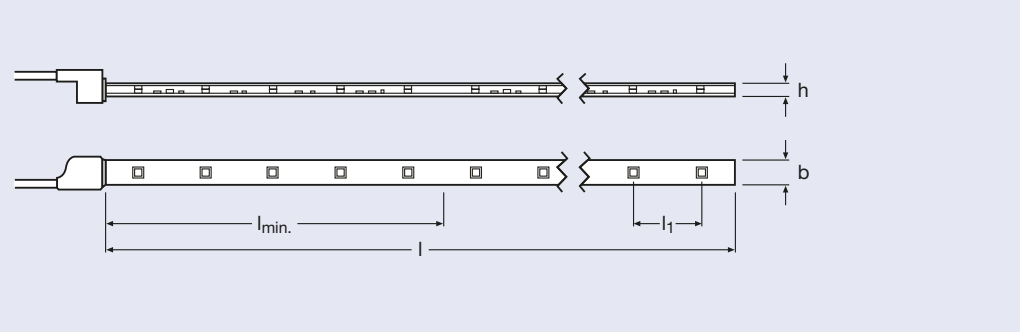
Dimmers
- OT RGB DIM
- OT DMX 3x2,5A DIM
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Colormix Flex Protect



Product reference	Product number	COLOR 1)	1)	V 1)	W 1)	1)	λ 1)	K 1)	lm 1)	l [mm] 1)	l min. [mm] 1)	l1 [mm] 1)	b [mm] 1)	h [mm] 1)	
LINEARlight Colormix Flex Protect															
LF05CA-RGB3-P	4008321**977205**	RGB	200	24	72	120	625/525/467	5500	1740	4000	100	20	11	4.5	8
LF05CE-RGB1-P	4008321**977182**	RGB	200	24	39	120	625/525/467	5500	1075	6000	150	30	11	4.5	8

Product characteristics
- IP67 protected, flexible and cuttable LED strip with inline Multichip RGB LEDs
- With pre-assembled feeder for simple connection

Product benefits
- High-performance silicon for extremely long lifetime and flexibility
- Stylish design
- Highly UV-resistant
- Salt mist proof
- Uniform color changing

Applications
- Facade accent lighting
- Effect lighting in architecture
- Edge coupling
- Path lighting

Accessories
- IP67 protected CONNECTsystem LF-PROTECT for simple installation without soldering
- LINEARlight Track LT

System recommendation*:

Constant voltage power supplies
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 240/220-240/24 P
- OT 24/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4
- OT EASY 60 II

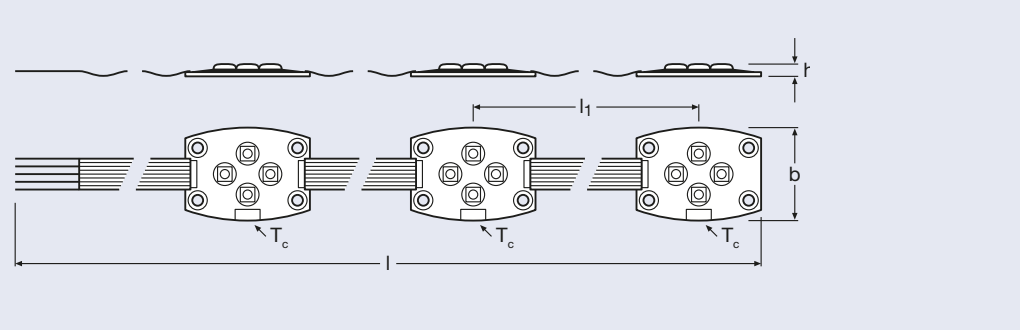
Dimmers
- OT RGB DIM
- OT DMX RGB DIM
- OT DMX 3x2,5A DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

DRAGONchain® Colormix RGBW



Product reference	Product number	COLOR		V	W		λ		lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
DRAGONchain® Colormix RGBW														
DC24B-RGBW [1) 3)]	4008321**709219**	RGB, white	24	24	27	135	625/525/467		1200 [2)]	3000	500	39	6.2	6

Product characteristics
- Flexible chain consisting of six LED modules each with four LEDs (red, green, blue, cold white)
- With protective coating (IPX5) for outdoor and high-humidity applications
- Electrically insulated back
- Simple fixing with M3 screws

Product benefits
- Dynamic color backlighting
- Wide-ranging color palette including pastel shades (in conjunction with light management systems)
- Extremely wide-angle optics for uniform backlighting of large surfaces
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Dynamic mood lighting
- Spa
- Shops, restaurants
- Trade fair lighting
- Alternative to colored fluorescent lamps

Accessories
- Heat sink DC24HS

System recommendation*:

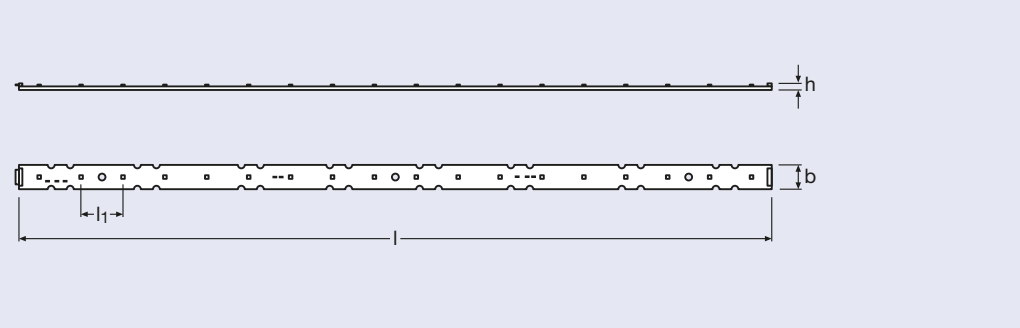
Constant voltage power supplies**
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 24/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4
- OT EASY 60 II

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) Depending on color temperature. Specified maximum value.
3) The power supply used must be short-circuit-proof.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.
**) The power supply used must be short-circuit-proof

LINEARlight Colormix (module)



Product reference	Product number	COLOR		V	W		lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Colormix (module)												
LR18CP [1)]	4008321**971593**	RGB	18	24	28	120	670	560	31	20	3.5	8
LR28CA [1)]	4008321**978547**	RGB	28	24	15	120	360	560	20	20	3.5	8
LR18CE [1)]	4008321**971616**	RGB	18	24	3	120	140	560	31	20	3.5	8

Product characteristics
- Metal core board equipped with 18 LEDs (LR18CP, LR18CE) or 28 LEDs (LR28CA)
- LR28CA, LR18CE: with multichip RGB LEDs
- LR18CP: with individual R-G-B LEDs
- Integrated SMD plug connector (male/female) on both sides of the PCB
- Mounting holes for simple fixing

Product benefits
- Modules can be joined together in series to make seamless strip lighting, without any further accessories
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Restaurants
- Architainment
- Shops
- LR18CP: Mood lighting and wallwashers
- LR28CA: Effect lighting
- LR18CE: Background lighting

Accessories
- Can be expanded with optional accessories to create an individual complete module
- CONNECTsystem LR
- LINEARlight Track LT
- OPLR optics
- OTR optics tray

System recommendation*:

Constant voltage power supplies
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 24/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4
- OT EASY 60 II

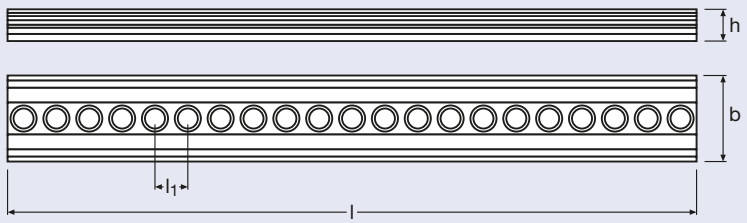
Dimmers
- OT RGB DIM
- OT DMX 3x1A RGB DIM
- OT DMX RGB DIM

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

LINEARlight Colormix (complete module)



Product reference	Product number	COLOR		V	W		lm	l [mm]	l1 [mm]	b [mm]	h [mm]	
LINEARlight Colormix (complete module)												
LR18CP-560 1)	4008321**971753**	RGB	18	24	28	20x50	2)	560	31	36	13	8
LR28CA-560 1)	4008321**978561**	RGB	28	24	15	20x50	2)	560	20	36	13	8
LR18CE-560 1)	4008321**971777**	RGB	18	24	3	20x50	2)	560	31	36	13	8

Product characteristics
- High-quality designer batten fixture
- Aluminum housing for adequate heat removal
- LR28CA, LR18CE: with multichip RGB LEDs
- LR18CP: with individual R-G-B LEDs
- Integrated SMD 4-pin plug connector (male/female) on both sides of the PCB
- Integrated optics
- Simple mounting with M3 screws or brackets

Product benefits
- Modules can be joined together in series to make seamless strip lighting, without any further accessories
- Low maintenance costs thanks to a lifetime of up to 50000 hours

Applications
- Restaurants
- Architainment
- Shops
- LR18CP: Mood lighting and wallwashers
- LR28CA: Effect lighting
- LR18CE: Background lighting

Accessories
- CONNECTsystem LR
- Mounting brackets LD-MD

System recommendation*:

Constant voltage power supplies
- OT 80/220-240/24 DIM P
- OT 120/220-240/24 DIM P
- OT 24/220-240/24 DIM P
- OTi DALI® 75/220-240/24 1-4
- OT EASY 60 II

Dimmers
- OT RGB DIM
- OT DMX 3x1A RGB DIM
- OT DMX RGB DIM

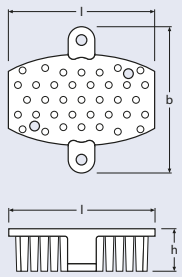
Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/led-modules
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) Print data not available
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

Heat sink for DRAGONchain® DC24

Product reference	Product number	l [mm]	b [mm]	h [mm]	
Heat sink for DRAGONchain® DC24					
DC24HS [1]	4008321**657992**	67	64	18.5	300



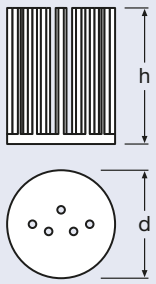
Product characteristics
- Fixing with screws

Product benefits
- Low profile

Applications
- For DRAGONchain® Tunable White and DRAGONchain® Colormix

Heat sink for DRAGONpuck® DP35, DP51, COINlight® Pro CP51

Product reference	Product number	d [mm]	h [mm]	
Heat sink for DRAGONpuck® DP35, DP51, COINlight® Pro CP51				
CPDPHS-51 [1]	4008321**975829**	44.5	45	16



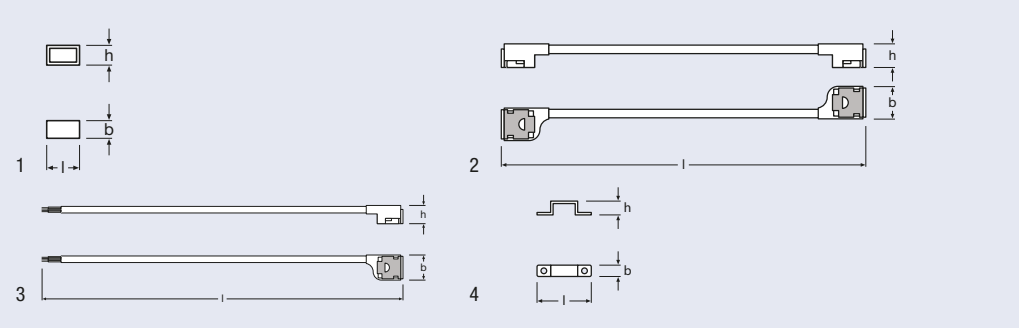
Product characteristics
- Fixing with M3 screws

Product benefits
- Low profile

Applications
- For DRAGONpuck® DP35, DP51 and COINlight® Pro CP51 (8 W, 10 W)

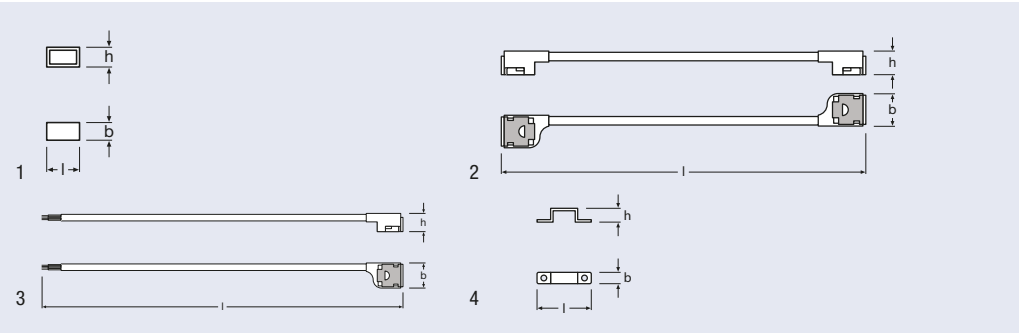
1) For important safety, installation and application information see www.osram.com/led-modules.

CONNECTsystem for LINEARlight (POWER) Flex Protect



Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]	h [mm]		No.
CONNECTsystem for LINEARlight (POWER) Flex Protect								
LF-ENDCAP PROTECT [1]	4008321**977106**	–	–	15	8.4	9.5	100	1
LF-2CONN PROTECT [1]	4008321**977083**	1.4	120	30	19.8	13.4	50	2
LF-2PIN PROTECT [1]	4008321**977069**	1.4	500	30	19.8	13.4	50	3
LF-CLIP FIXTURE PROTECT [1]	4008321**644749**	–	–	27	6	5.7	500	4

CONNECTsystem for LINEARlight Colormix Flex Protect



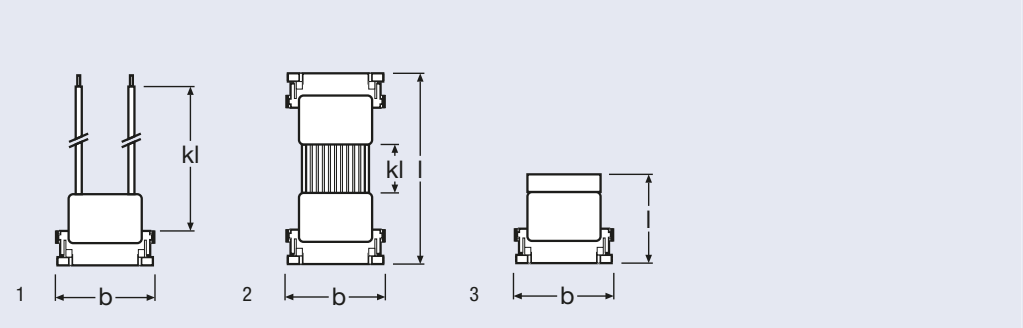
Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]	h [mm]		No.
CONNECTsystem for LINEARlight Colormix Flex Protect								
LF-ENDCAP PROTECT [1]	4008321**977106**	–	–	15	8.4	9.5	100	1
LF-4CONN PROTECT [1]	4008321**977090**	1.4	120	30	19.8	13.4	50	2
LF-4PIN PROTECT [1]	4008321**977076**	1.4	500	30	19.8	13.4	50	3
LF-CLIP FIXTURE PROTECT [1]	4008321**644749**	–	–	27	6	5.7	500	4

Product benefits

- IP67 protected plug system for simple fixing without tools and without soldering
- Short installation time

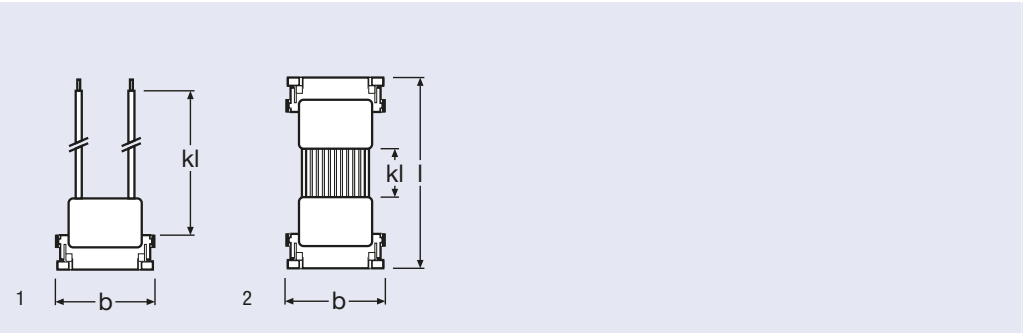
1) For important safety, installation and application information see www.osram.com/led-modules.

CONNECTsystem for LINEARlight (POWER) Flex



Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]		No.
CONNECTsystem for LINEARlight (POWER) Flex							
LF-2PIN FLEX [1]	4008321**955326**	0.14	500	13	14.5	100	1
LF-CONN-10 FLEX [1]	4008321**955333**	0.057	10	13	13.2	200	2
LF-CONN-150 FLEX [1]	4008321**955340**	0.057	150	13	13.2	100	2
LF-2TERM FLEX [1]	4008321**955357**	–	–	16	14.5	200	3

CONNECTsystem for LINEARlight Flex® SIDELED®

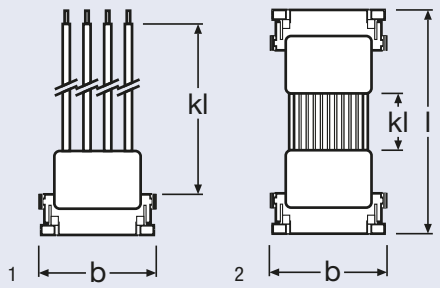


Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]		No.
CONNECTsystem for LINEARlight Flex® SIDELED®							
LM-2PIN FLEX [1]	4008321**916211**	0.14	500	13.1	16.3	100	1
LM-CONN-150 FLEX [1]	4008321**931375**	0.057	150	13.1	16.3	100	2
LM-CONN-10 FLEX [1]	4008321**916259**	0.057	10	13.1	16.3	200	2

Product benefits
- Simple installation, no tools or soldering required
- Reduced installation time
- Low profile
- Extremely vibration-proof
- Permissible operating temperature perfectly matched to the module
- Can be connected to the front of the module or at the division points

1) For important safety, installation and application information see www.osram.com/led-modules.

CONNECTsystem für LINEARlight Colormix Flex



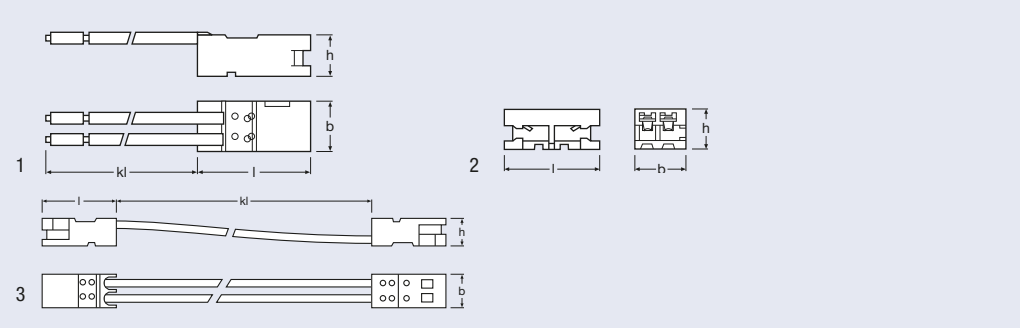
Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]		No.
CONNECTsystem für LINEARlight Colormix Flex							
LF-4PIN [1)]	4008321**514585**	–	500	13	13.2	100	1
LF-CONN-10 FLEX [1)]	4008321**955333**	0.057	10	13	13.2	200	2
LF-CONN-150 FLEX [1)]	4008321**955340**	0.057	150	13	13.2	100	2

Product benefits

- Simple installation, no tools or soldering required
- Reduced installation time
- Low profile
- Extremely vibration-proof
- Permissible operating temperature perfectly matched to the module
- Can be connected to the front of the module or at the division points

1) For important safety, installation and application information see www.osram.com/led-modules.

CONNECTsystem for LINEARlight



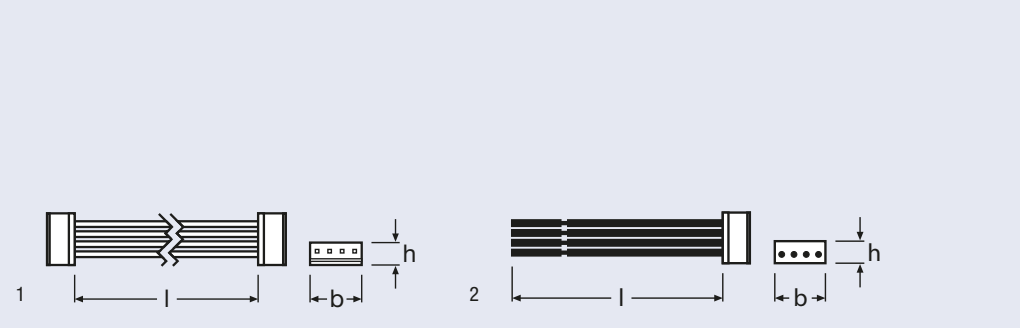
Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]	h [mm]		No.
CONNECTsystem for LINEARlight								
LM-2PIN [1]	4008321**908629**	0.31	500	14	6.1	5	500	1
LM-2CONN [1]	4008321**908643**	–	–	11	6.1	4.6	500	2
LM-2CONN-50 [1]	4008321**908667**	0.31	48	14	6.1	5	500	3
LR-4PIN-500 [1]	4008321**971852**	[2]	500	[2]	[2]	[2]	[2]	[2]
LR-4CONN-45 [1]	4008321**971814**	[2]	45	[2]	[2]	[2]	12 x 5	[2]
LR-4CONN-250 [1]	4008321**994400**	[2]	250	[2]	[2]	[2]	12 x 5	[2]

Product benefits
- Simple fixing without tools and without soldering
- Short installation time
- Low profile
- Vibration-proof

Applications
- LM... for LINEARlight 10 V
- LR... for LINEARlight 24 V

1) For important safety, installation and application information, see www.osram.com/led-modules.
2) Print data not available

CONNECTsystem für LINEARlight-DRAGON®

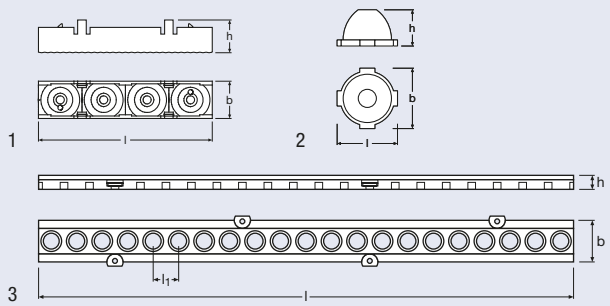


Product reference	Product number	Cable cross-section/ AWG	Cable length [mm]	l [mm]	b [mm]	h [mm]		No.
CONNECTsystem für LINEARlight-DRAGON®								
LD-2CONN-100 [1]	4008321**182883**	0.13	100	5	10	4.3	500	1
LD-2CONN-40 [1]	4008321**182869**	0.13	40	5	10	4.3	500	1
LD-2PIN [1]	4008321**182845**	0.2	500	6	9.7	4.5	500	2

Product benefits
- Simple fixing without tools and without soldering
- Short installation time
- Low profile
- Vibration-proof

1) For important safety, installation and application information, see www.osram.com/led-modules.

Optics for LINEARlight



Product reference	Product number		l [mm]	b [mm]	h [mm]		No.
Optics for LINEARlight							
OP4x1 [1]	4008321**908704**	20 I 26 [2]	56	12	11	80	1
OPLR1x1-30 [1]	4008321**976000**	30	10	10	6	140	2
OPLR1x1-80 [1]	4008321**976024**	80	10	10	6	140	2
OPLR1x1-20x50 [1]	4008321**976048**	20x50	10	10	6	140	2
OTR-280-LR21P [1]	4008321**976062**	–	280	26.5	7.5	8	3
OTR-280-LR14A/E/LR28CA [1]	4008321**976086**	–	560	26.5	7.5	8	3
OTR-280-LR14A/E [1]	4008321**994448**	–	280	26.5	7.5	8	3

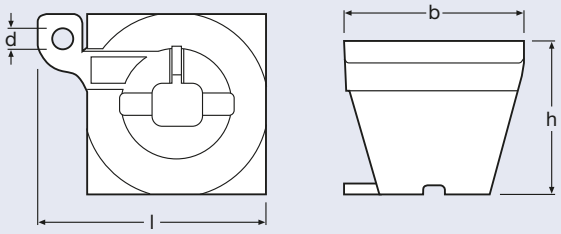
Product characteristics
- OP…: Optics
- OTR: Optics tray

Product benefits
- High optical efficiency

Applications
- OP 4x1 for mounting on LINEARlight 10 V (PCB)
- OPLR for mounting on optics tray
- OTR (LINEARlight 24 V PCB)

1) For current photometric data and important safety, installation and application information, see www.osram.com/led-modules.
2) White 26°

Optics for LINEARlight-DRAGON®



Product reference	Product number		l [mm]	b [mm]	h [mm]	
Optics for LINEARlight-DRAGON®						
OP1x1-10 [1]	4008321**909893**	10	25	25	22	150
OP1x1-30 [1]	4008321**909770**	30	25	25	22	150
OP1x1-14x22 [1]	4008321**909787**	14x22	25	25	22	150

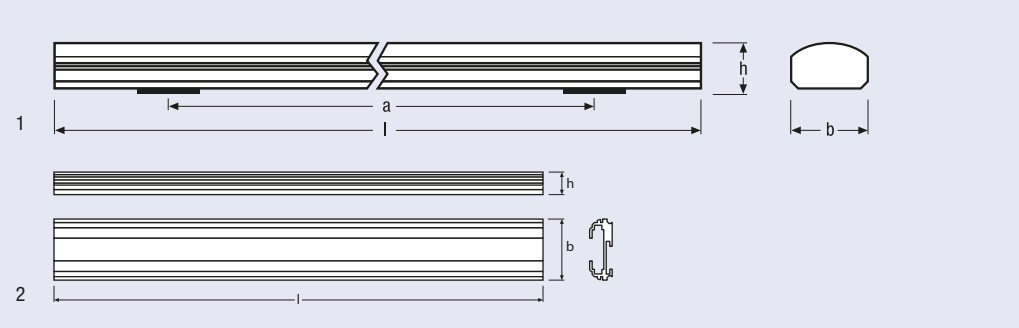
Product characteristics
- Simple fixing with screw

Product benefits
- High optical efficiency

Applications
- LINEARlight-DRAGON® (PCB)

1) For current photometric data and important safety, installation and application information, see www.osram.com/led-modules.

LINEARlight Track



Product reference	Product number	l [mm]	b [mm]	h [mm]		No.
LINEARlight Track						
LT-H047-S [1]	4008321**256805**	464 [2]	35.5 [2]	37.5 [2]	10	1
LT-H143-S [1]	4008321**256829**	1424 [2]	35.5 [2]	37.5 [2]	6	1
LT-H047-P [1]	4008321**239563**	464	35.5	26.5	10	1
LT-H143-P [1]	4008321**239587**	1424	35.5	26.5	6	1
LT-280 [1]	4008321**975973**	280 [2]	[3]	[3]	8	2
LT-560 [1]	4008321**975997**	560 [2]	[3]	[3]	8	2
LT-ENDCAP [1]	4008321**976116**	[3]	[3]	[3]	16	[3]

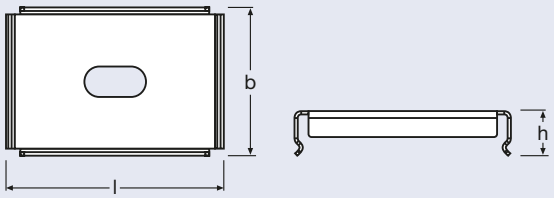
Product characteristics
- Lightweight, universal aluminum track casing
- LT-H047-S, LT-H143-S: Diffused version for direct uniform illumination
- LT-H047-P, LT-H143-P: Prismatic version for indirect illumination

Applications
- LT-H047…, LT-H143… for OSRAM LINEARlight LM...10 V and LINEARlight...Flex...LF 24 V
- LT-280, LT-560, LT-ENDCAP for LINEARlight LR...24 V

Accessories
- Optics OPLR... and optics carrier OTR... for LINEARlight LR...24 V PCB

1) For important safety, installation and application information, see www.osram.com/led-modules.
2) Without end cap
3) Print data not available

Mounting bracket, LINEARlight-DRAGON®, LINEARlight LR... (24 V)



Product reference	Product number	l [mm]	b [mm]	h [mm]	
Mounting bracket, LINEARlight-DRAGON®, LINEARlight LR... (24 V)					
LD-MB [1]	4008321**225672**	32	22	6.6	12 x 5 x 5

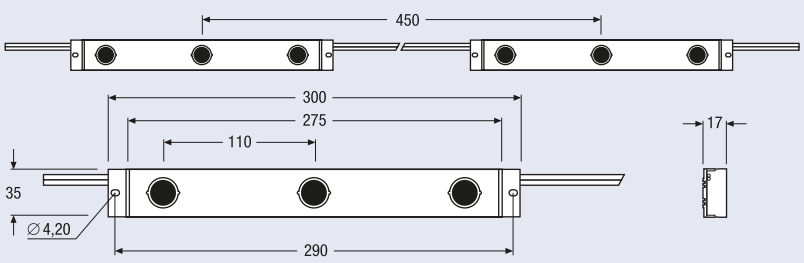
Product characteristics
- Fixing with M3 screw

Product benefits
- Allows linear adjustment of the batten fixture

Applications
- LINEARlight-DRAGON® (complete module)
- LINEARlight LR...24 V (complete module)

1) For important safety, installation and application information, see www.osram.com/led-modules.

BoxLED® Side



All figures in mm

Product reference	Product number	COLOR	V	W CHAIN	W MODULE		K	lm CHAIN	lm MODULE	
BoxLED® Side										
BX03SA-W4F-765 [1]	4008321**641427**	white	12	60	7.5	12x65	6500	3932	491.5	1
BX03SA-W4F-840 [1]	4008321**693365**	white	12	60	7.5	12x65	4000	3276	409.5	1
BX03SA-W4F-830 [1]	4008321**693204**	white	12	60	7.5	12x65	3000	3108	388.5	1

Product characteristics
- Chain of eight linear LED modules with three LEDs each, connected with flexible cable
- The maximum length of a chain is 3.60 m
- The modules are compatible with the BoxLED® mounting profile
- IP66 protection for the LED modules

Product benefits
- Optimized elliptical lenses ensure uniform illumination through diffused reflection
- Several options for quick and simple mounting: bolting, adhesion, snap-in
- Special robust encapsulation for permanent outdoor use in enclosed light boxes
- Outstanding module efficiency
- Fully integrated heat sink
- Extremely long lifetime

Applications
- Signage (advertising and lettering)
- Backlighting of single-sided and double-sided light boxes (illumination from the side)
- Wallwashing and backlighting in general and architectural lighting

System recommendation*:

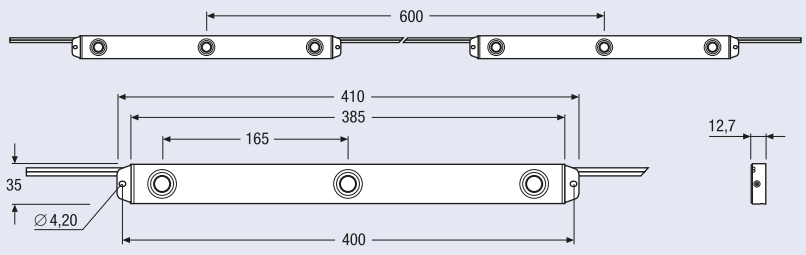
Constant voltage power supplies
- OTe 15/220-240/12 P
- OTe 30/220-240/12 P
- OTe 60/220-240/12 P
- OTe 120/220-240/12 P

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/signage
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

BoxLED® Back



All figures in mm

Product reference	Product number	COLOR	V	W CHAIN	W MODULE		K	lm CHAIN	lm MODULE	
BoxLED® Back										
BX03BA-W4F-765 [1]	4008321**641519**	white	12	60	3.75	155	6500	4680	292.5	1

Product characteristics
- Chain of 16 linear LED modules with three LEDs each, connected with flexible cable
- The maximum length of a chain is 9.60 m
- The modules are compatible with the BoxLED® mounting profile
- IP66 protection for the LED modules

Product benefits
- Flat Ray technology ensures uniform illumination for large LED spacing
- Much better application efficiency compared to systems without lenses
- Several options for quick and simple mounting: bolting, adhesion, snap-in
- Special robust encapsulation for permanent outdoor use in enclosed light boxes
- Outstanding module efficiency
- Fully integrated heat sink
- Extremely long lifetime

Applications
- Signage (advertising and lettering)
- Backlighting of single-sided and double-sided light boxes (illumination from the back)

System recommendation*:

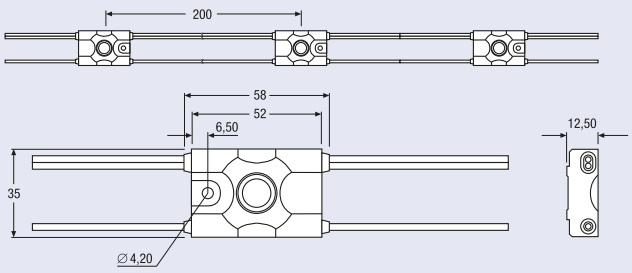
Constant voltage power supplies
- OTe 15/220-240/12 P
- OTe 30/220-240/12 P
- OTe 60/220-240/12 P
- OTe 120/220-240/12 P

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/signage
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

BackLED L



All figures in mm

Product reference	Product number	COLOR	V	W CHAIN	W MODULE		K	lm CHAIN	lm MODULE	
BackLED L										
BA01LA-W4F-765 [1]	4008321**641182**	white	12	60	1.25	155	6500	4680	97.5	1
BA01LA-W4F-840 [1]	4008321**693808**	white	12	60	1.25	155	4000	3960	82.5	1
BA01LA-W4F-830 [1]	4008321**641267**	white	12	60	1.25	155	3000	3600	75	1

Product characteristics
- Chain of 48 LED modules with one LED each, connected with flexible cable
- The maximum length of a chain is 9.60 m
- The modules are compatible with the BoxLED® mounting profile
- IP66 protection for the LED modules

Product benefits
- Flat Ray technology ensures uniform illumination for large LED spacing
- Much better application efficiency compared to systems without lenses
- Several options for quick and simple mounting: bolting, adhesion, snap-in
- Special robust encapsulation for permanent outdoor use in enclosed light boxes or profile lettering
- Outstanding module efficiency
- Fully integrated heat sink
- Extremely long lifetime

Applications
- Signage (advertising and lettering)
- Backlighting of single-sided and double-sided light boxes (illumination from the back)
- Backlighting of large and/or deep profile lettering
- Indirect lighting and backlighting in general and architectural lighting

System recommendation*:

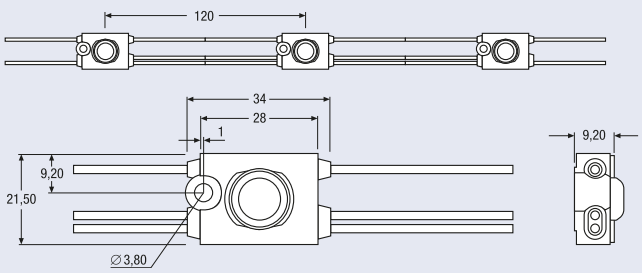
Constant voltage power supplies
- OTe 15/220-240/12 P
- OTe 30/220-240/12 P
- OTe 60/220-240/12 P
- OTe 120/220-240/12 P

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/signage
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

BackLED M



All figures in mm

Product reference	Product number	COLOR	V	W CHAIN	W MODULE	∡°	λ [2]	K	lm CHAIN	lm MODULE	
BackLED M											
BA01MA-W4F-765 [1]	4008321**640901**	white	12	30	0.5	155	–	6500	1866	31.1	1
BA01MA-W4F-830 [1]	4008321**641021**	white	12	30	0.5	155	–	3000	1386	23.1	1
BA01MA-R2 [1]	4008321**641144**	red	12	30	0.5	155	623	–	972	16.2	1
BA01MA-B2 [1]	4008321**641168**	blue	12	30	0.5	155	468	–	414	6.9	1

Product characteristics
- Chain of 60 LED modules with one LED each, connected with flexible cable
- The maximum length of a chain is 7.20 m
- IP66 protection for the LED modules

Product benefits
- Flat Ray technology ensures uniform illumination for large LED spacing
- Much better application efficiency compared to systems without lenses
- Quick and easy mounting with screws or adhesive
- Special robust encapsulation for permanent outdoor use in enclosed profile lettering
- Outstanding module efficiency
- Fully integrated heat sink
- Extremely long lifetime

Applications
- Signage (advertising and lettering)
- Backlighting of medium-size profile lettering
- Indirect lighting and backlighting in general and architectural lighting

System recommendation*:

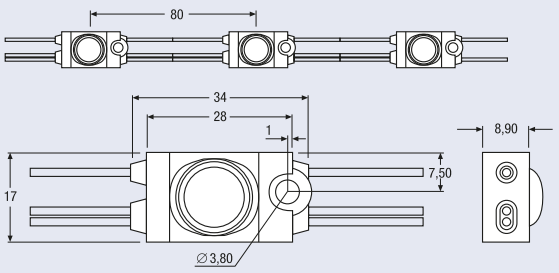
Constant voltage power supplies
- OTe 15/220-240/12 P
- OTe 30/220-240/12 P
- OTe 60/220-240/12 P
- OTe 120/220-240/12 P

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/signage
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

BackLED S



All figures in mm

Product reference	Product number	COLOR	V	W CHAIN	W MODULE	∡°	λ	K	lm CHAIN	lm MODULE	
BackLED S											
BA01SA-W4F-765 [1]	4008321**640666**	white	12	15	0.17	155	–	6500	1341	14.9	1
BA01SA-W4F-830 [1]	4008321**640741**	white	12	15	0.17	155	–	3000	1134	12.6	1
BA01SA-R2 [1]	4008321**640826**	red	12	15	0.17	155	625	–	432	4.8	1
BA01SA-O2 [1]	4008321**640840**	orange	12	15	0.17	155	603	–	513	5.7	1
BA01SA-G2 [1]	4008321**640864**	green	12	15	0.17	155	522	–	549	6.1	1
BA01SA-B2 [1]	4008321**640888**	blue	12	15	0.17	155	467	–	162	1.8	1

Product characteristics
- Chain of 90 LED modules with one LED each, connected with flexible cable
- The maximum length of a chain is 7.20 m
- IP66 protection for the LED modules

Product benefits
- Flat Ray technology ensures uniform illumination for maximum LED spacing
- Much better application efficiency compared to systems without lenses
- Quick and easy mounting with screws or adhesive
- Special robust encapsulation for permanent outdoor use in enclosed profile lettering
- Outstanding module efficiency
- Fully integrated heat sink
- Extremely long lifetime

Applications
- Signage (advertising and lettering)
- Backlighting of small and/or low-profile lettering
- Indirect lighting and backlighting in general and architectural lighting

System recommendation*:

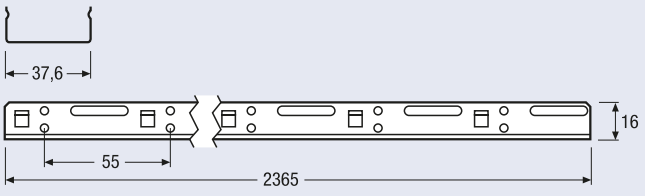
Constant voltage power supplies
- OTe 15/220-240/12 P
- OTe 30/220-240/12 P
- OTe 60/220-240/12 P
- OTe 120/220-240/12 P

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/signage
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

Mounting profile for BoxLED® and BackLED



All figures in mm

Product reference	Product number	
Mounting profile for BoxLED® and BackLED		
BX-MP [1]	4008321**981110**	24

Product characteristics
- Universal mounting profile for single-sided and double-sided light boxes
- Suitable for BoxLED® Side, BoxLED® Back and BackLED L
- Overall length 2365 mm – can be easily shortened to any length

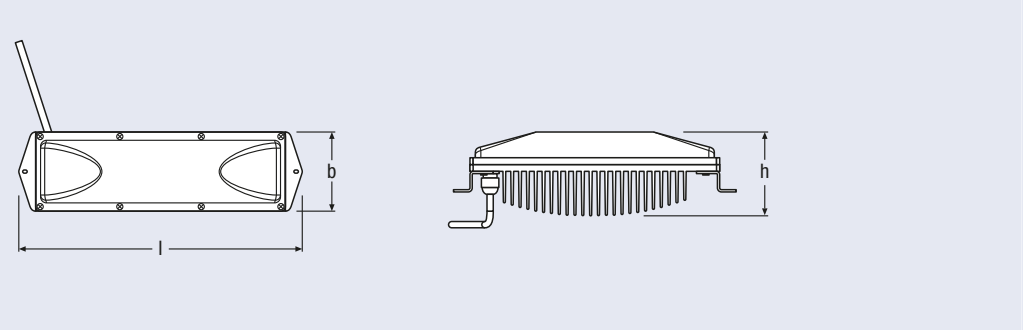
Product benefits
- Quick and simple mounting of the profile using self-tapping screws or blind rivets
- Click-&-play quick and simple snap-in fixing of the LED modules – no tools required
- Anodized aluminum profile: Robust and corrosion-proof
- Integrated 55-mm mounting grid for simple positioning of the LED modules
- Integrated fixing option for cables

Applications
- Signage (advertising and lettering)
- Backlighting of single-sided and double-sided light boxes

For further information and/or detailed product data sheets, please go to:
www.osram.com/signage

1) For current data and important safety, installation and application information, see www.osram.com/signage.

STREETlight Protect – constant voltage



Product reference	Product number	V	W	°	K	lm	Cable length [mm]	l [mm]	b [mm]	h [mm]	
STREETlight Protect											
SLP1-W4F-830-L75x130 [1)]	4008321**964724**	24	23	75x130	3000	1050	600	250	70	73.7	4
SLP1-W4F-840-L75x130 [1)]	4008321**964731**	24	23	75x130	4000	1050	600	250	70	73.7	4
SLP1-W4F-854-L75x130 [1)]	4008321**964748**	24	23	75x130	5400	1050	600	250	70	73.7	4
SLP1-W4F-765-L75x130 [1)]	4008321**964755**	24	23	75x130	6500	1430	650	250	70	73.7	4

Product characteristics
- Integrated lens/reflector system with a 75°x130° beam angle
- Choice of four color temperatures
- Type of protection IP66 to IEC 60529

Product benefits
- Rapid design-in as optics and heat sinks are included or completely encapsulated
- Simple replacement of the LED module by means of M3 screws

Applications
- LED module for technical and decorative street lighting

System recommendation*:

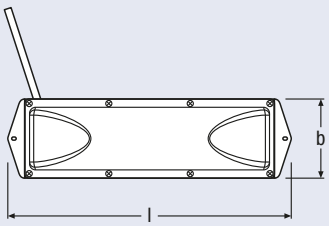
Constant voltage power supplies
- OT 75/220-240/24 E
- OT 80/220-240/24 P
- OT 120/220-240/24 P
- OT 240/220-240/24 P

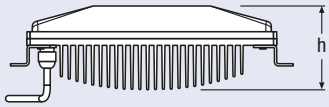
Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/streetlight
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

HPML™ Core – constant current





Product reference	Product number	I[mA]	W	∠°	K	lm	Cable length [mm]	l [mm]	b [mm]	h [mm]	
HPML™ Core											
HPML CC-W4-765 L75X130 [1)]	4008321**660893**	400	18	75x130	6500	1500	500	220	70	74	4
HPML CC-W4F-840 L75X130 [1)]	4008321**579485**	400	18	75x130	4000	1010	500	220	70	74	4
HPML CC-W4F-830 L75X130 [1)]	4008321**579362**	400	18	75x130	3000	1010	500	220	70	74	4
HPML CC-W4-765 L60X60 [1)]	4008321**660831**	400	18	60x60	6500	1500	500	220	70	74	4
HPML CC-W4F-840 L60X60 [1)]	4008321**630629**	400	18	60x60	4000	1010	500	220	70	74	4
HPML CC-W4F-830 L60X60 [1)]	4008321**630506**	400	18	60x60	3000	1010	500	220	70	74	4
HPML CC-W4-765 L30X30 [1)]	4008321**660763**	400	18	30x30	6500	1500	500	220	70	74	4
HPML CC-W4F-840 L30X30 [1)]	4008321**630261**	400	18	30x30	4000	1010	500	220	70	74	4
HPML CC-W4F-830 L30X30 [1)]	4008321**630148**	400	18	30x30	3000	1010	500	220	70	74	4

Product characteristics
- High optical efficiency of 92 %
- Integrated lens/reflector system with a 75°x130°, 60°x60° or 30°x30° beam angle
- Choice of three color temperatures
- Type of protection IP66 to IEC 60529

Product benefits
- Rapid design-in as optics and heat sinks are included or completely encapsulated
- Constant current control maximizes system efficiency
- Permitted input current of 350–700 mA enables coordination of the system efficiency/costs
- Module design offers a space-saving order of several modules
- Simple replacement of the LED module by means of M3 screws

Applications
- Technical and decorative street lighting
- Flood lighting
- High and low-bay lighting

System recommendation*:

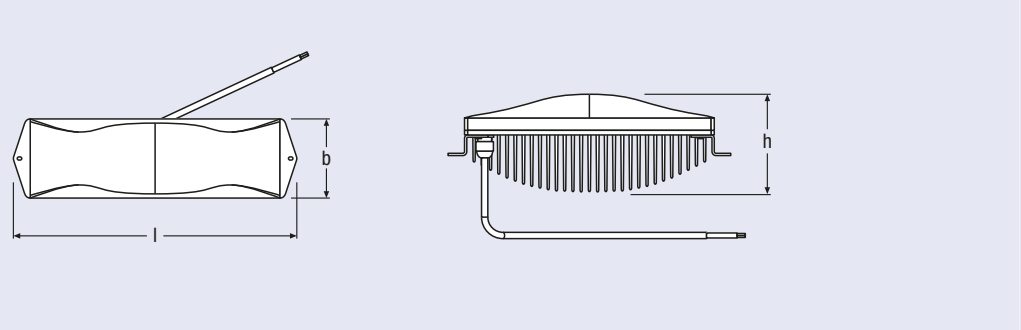
Constant current power supplies
- OTe 90/220-240/4x350 E

Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/streetlight
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

HPML™ Advance – constant current/high output



Product reference	Product number	I[mA]	W	∠°	K	lm	Cable length [mm]	l [mm]	b [mm]	h [mm]	
HPML™ Advance											
HPML AD-W4F-830 L60X60 46V [1]	4008321**642875**	400	36	60x60	3000	1860	500	220	70	87	4
HPML AD-W4F-740 L60X60 46V [1]	4008321**643308**	400	36	60x60	4000	1860	500	220	70	87	4
HPML AD-W4F-765 L60X60 46V [1]	4008321**643124**	400	36	60x60	6500	2500	500	220	70	87	4
HPML AD-W4-765 L130X50 46V [1]	4008321**643063**	400	36	130x50	6500	2500	500	220	70	87	4

Product characteristics
- Lumen output almost doubles HPML™ Core
- High optical efficiency of 92 %
- Integrated lens/reflector system with a 60°x60° beam angle (50°x130° in preparation)
- Choice of three color temperatures
- Type of protection IP66 to IEC 60529

Product benefits
- Rapid design-in as optics and heat sinks are included or completely encapsulated
- Constant current control maximizes system efficiency
- Permitted input current of 350–700 mA enables coordination of the system efficiency/costs
- Module design offers a space-saving order of several modules
- Simple replacement of the LED module by means of M3 screws

Applications
- Flood lighting
- High and low-bay lighting
- (street lighting in preparation)

System recommendation*:

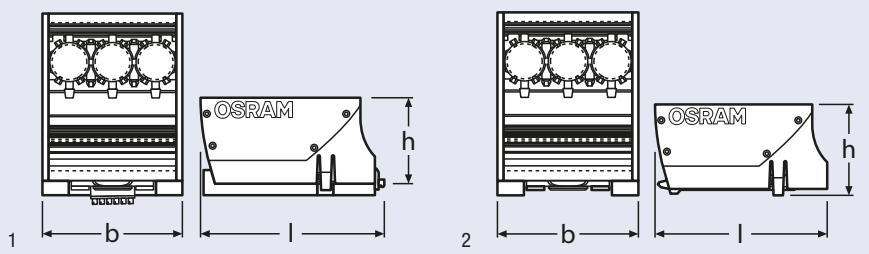
Constant voltage power supplies
- OTe 90/220-240/4x350 E

Controllers
- Appropriate controllers see chapter Light Management Systems page 120–179

For further information and/or detailed product data sheets, please go to:
www.osram.com/streetlight
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

STREETlight Advanced – constant voltage



Product reference	Product number	V	W	∠°	K	lm	l [mm]	b [mm]	h [mm]		No.
STREETlight Advanced											
SLA1-SL-105-830-L80x140 [1)]	4008321**960085**	24	29	80x140	3000	1050	98	72	50.8	20	1
SLA1-SL-123-742-L80x140 [1)]	4008321**965981**	24	29	80x140	4200	1230	98	72	50.8	20	1
SLA1-SL-143-760-L80x140 [1)]	4008321**960061**	24	29	80x140	6000	1430	98	72	50.8	20	1
SLA1-L-105-830-L80x140 [1) 2)]	4008321**958877**	24	29	80x140	3000	1050	98	72	44.8	20	2
SLA1-L-123-742-L80x140 [1) 2)]	4008321**965967**	24	29	80x140	4200	1230	98	72	44.8	20	2
SLA1-L-143-760-L80x140 [1) 2)]	4008321**958853**	24	29	80x140	6000	1430	98	72	44.8	20	2

Product characteristics
- Integrated lens/reflector system with an 80°x140° beam angle
- Choice of three color temperatures

Product benefits
- Rapid design-in as street lighting optics are included
- Extremely simple replacement of the LED module – no tools required
- Uniform, appropriately limited street lighting with no scattered light, in compliance with EN 13201
- Extremely compact dimensions – also suitable for existing luminaires

Applications
- LED module for technical and decorative street lighting

System recommendation*:

Constant voltage power supplies
- OT 75/220-240/24 E
- OT 65/220-240/24 3DIM E
- OT 80/220-240/24 P
- OT 120/220-240/24 P
- OT 240/220-240/24 P

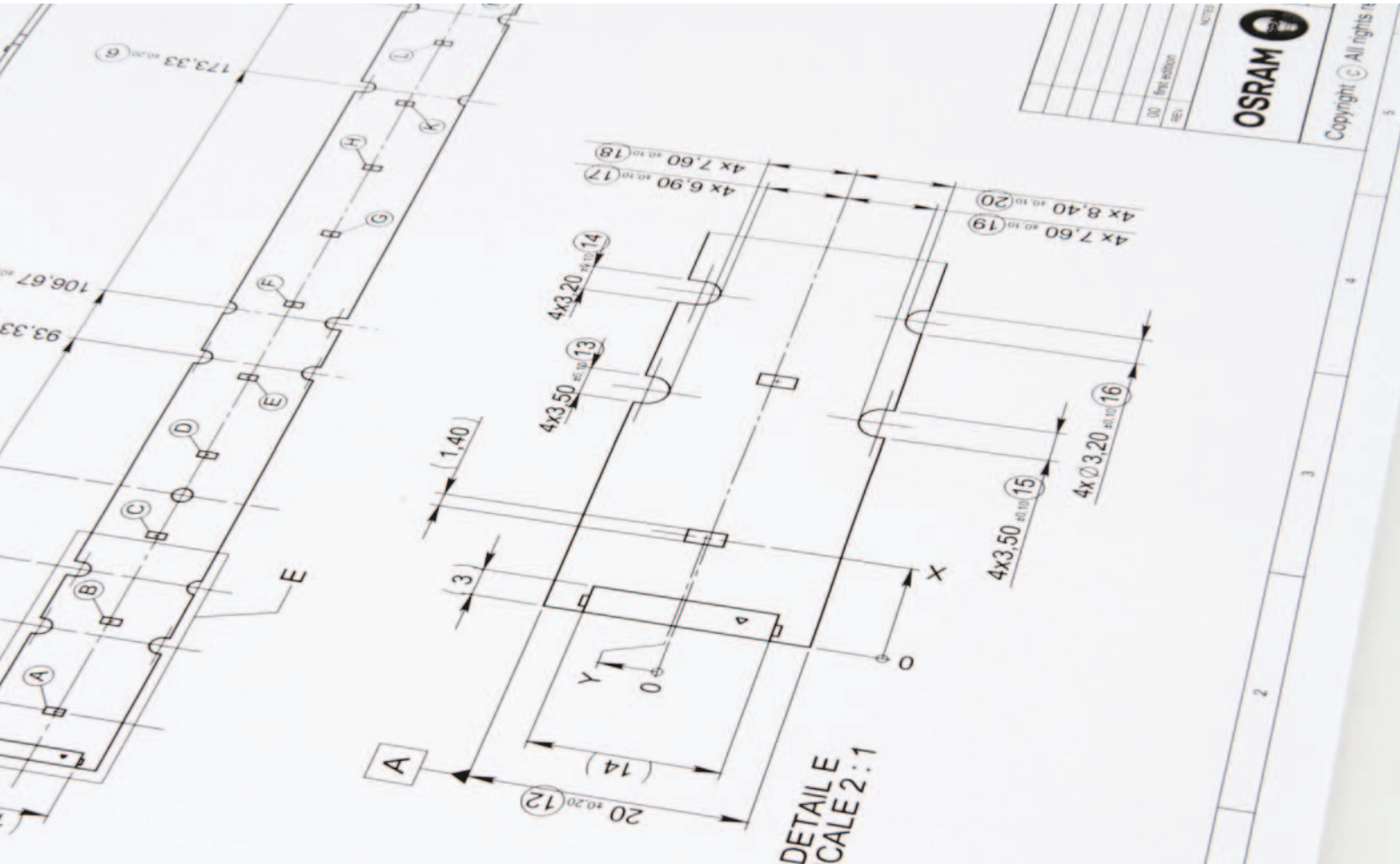
Controllers
Appropriate controllers see chapter Light Management Systems page 120–179

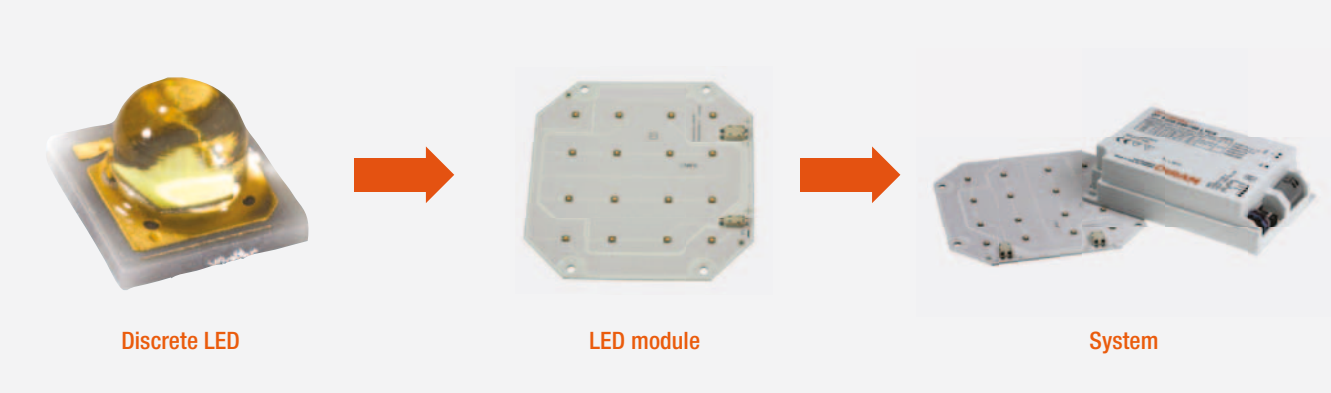
For further information and/or detailed product data sheets, please go to:
www.osram.com/streetlight
www.osram.com/optotronic

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) L version without base (spare part)
*) Possible combinations; in individual cases, however, the control gear's output power and output voltage has to be adapted to the electrical properties of the LED module and/or to the number of connected modules.

As flexible as your requirements – customized LED modules

The design of efficient lighting solutions often calls for customized components in order to meet individual requirements. In special applications, the best efficiency and performance combined with low cost of ownership and low maintenance requirements can only be achieved by a system specifically developed for this purpose. In terms of efficiency, light quality and flexibility, OSRAM is able to adapt its standard LED modules to your needs. Based on continuous product development and our broad portfolio of patents, our experts use a wide range of state-of-the-art technologies to ensure reliable, high-performance and future-proof lighting systems which fulfill your individual objectives.

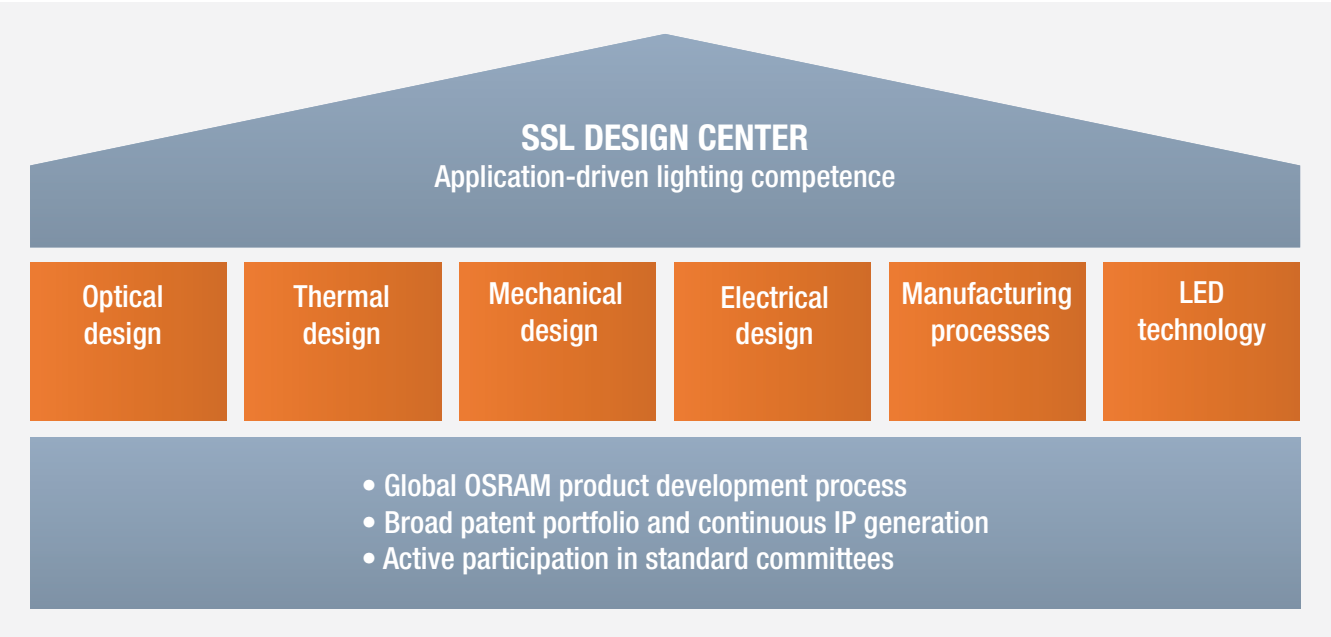




In order to reply quickly to market needs, OSRAM provides:

- Customized module adapted to your requirement in SSL business
- World-class LED technologies from LED chip to complete system solution
- Design and manufacturing excellence – proven by extensive standard portfolio
- Application support
- Global sites of manufacturing and global sales offices
- Patent protection
- One face to the customer – dedicated contact to follow your projects and ideas

We have the skills to do it …



For more information, please contact your OSRAM key account manager. For new projects or generel requests regarding CLM, please use the official e-mail address: clm@osram.com

HALLHU

LED light engines

Covering a broad range of applications: the LED light engine concept for today – and tomorrow. With defined parameters, LED light engines from OSRAM pave the way for innovative, future-proof luminaire designs.

PrevaLED® Core – CRI 90	72
PrevaLED® Core – CRI 80	74
OPTOTRONIC® control gear for PrevaLED® Core	76
Accessories for PrevaLED® Core	78
PrevaLED® Linear	80
PrevaLED® Linear Slim	81
OPTOTRONIC® control gears for PrevaLED® Linear and PrevaLED® Linear Slim	82
Accessories for PrevaLED® Linear	82
PrevaLED® Area	83
PrevaLED® Compact	84

The PrevaLED® light engine concept

What is the difference between a light engine and an LED module?
Compared to a normal LED module, the light engine concept aims to keep parameters and interfaces constant across several product generations, providing an easy-to-use plug-&-play light source. The most important parameters are:

- Mechanical: The geometry and fixing points of the module remain constant
- Optical: The lumen packages and beam characteristics remain constant
- Electrical: No need to worry about driving currents or voltages. There is always a matching ECG in the OSRAM portfolio.
- Thermal: The existing thermal design does not need to be changed. Improvements in efficacy lead to more relaxed thermal conditions at same light output or even enable more light output with the same thermal design.

The PrevaLED® light engine concept from OSRAM also includes the development of perfectly matched components. Dedicated control gear and connecting cables are available for each PrevaLED® LED module.

What are the benefits?
Light engines are powerful and highly efficient and offer enormous freedom for luminaire designers. Thanks to defined interfaces, they are the ideal platform for future-proof developments. On the one hand, they reduce the complexity of the LED luminaires thanks to their constant parameters, and on the other hand, their perfectly matched components ensure fault-free operation.

The geometry and luminous flux of the individual light engines remain constant, and advances in LED technology lead to improvements in the efficiency of the system or to cost reductions. A luminaire that has been designed on the basis of a particular light engine therefore automatically benefits from the development progress without the need for any costly modifications to the basic design.

www.osram.com/prevaled

PrevaLED® light engine

PrevaLED® LED module
PrevaLED® LED modules are available in different luminous flux levels.

OPTOTRONIC® control gear
OPTOTRONIC® control gears allow for the optimal application of PrevaLED® LED modules.

Connecting cable
For reverse-polarity-protected connection of individual PrevaLED® LED modules to the control gear.

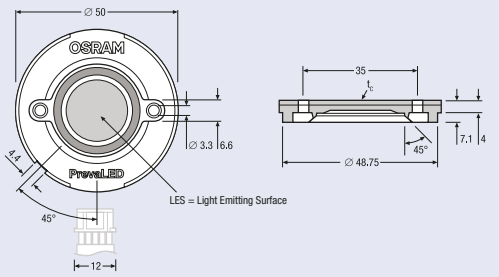
Background information:
Standardization of LED light engines
The Zhaga consortium is an industry-wide cooperation of luminaire manufacturers, lamp manufacturers, producers of LED modules and suppliers in the lighting industry. The Zhaga consortium aims to standardize LED light sources (LED light engine = LED module + cable + control gear).

The interchangeability of LED light engines is achieved by defining interfaces for a variety of application-specific light engines while providing room for improvement in LED and driver technology. The Zhaga standards cover the physical dimensions, as well as the photometric, electrical and thermal specifications of various LED light engines.

The Zhaga consortium was established in February 2010 and currently includes more than 170 companies worldwide. OSRAM AG is a full member. Members meet regularly in different regions of the world. Large parts of the new PrevaLED® Core portfolio meet the Zhaga specification book 3 for “spot light source systems with separate electronic control gear”.

For more information, go to: www.zhagastandard.org

PrevaLED® Core – CRI 90



All figures in mm

Product reference	Product number	LES category	W	lm	lm/W	W SYSTEM	lm/W SYSTEM	K	Ra	°	Initial SDCM	h [mm]	
PrevaLED® Core – CRI 90													
LEP-3000-930-HD-C [1]	4008321**966070**	–	39	3000	77	43	70	3000	> 90	> 130	< 3	8.6	20
LEP-3000-840-HD-C [1]	4008321**966094**	–	39	3000	77	43	70	4000	> 85	> 130	< 3	8.6	20
LEP-2100-930-HD-C [1]	4008321**963352**	–	25	2100	84	28	75	3000	> 90	> 130	< 3	8.6	20
LEP-2100-840-HD-C [1]	4008321**963369**	–	25	2100	84	28	75	4000	> 85	> 130	< 3	8.6	20
LEP-1500-930-HD-C [1]	4008321**644466**	–	19	1500	84	16	75	3000	> 90	> 130	< 3	8.6	20
LEP-1500-840-HD-C [1]	4008321**644480**	–	19	1500	84	16	75	4000	> 85	> 130	< 3	8.6	20
LEP-800-930-HD-C [1]	4008321**963390**	–	9	800	88	11	75	3000	> 90	> 130	< 3	8.6	20
LEP-800-840-HD-C [1]	4008321**963406**	–	9	800	88	11	75	4000	> 85	> 130	<3	8.6	20
LEP-5000-930-C-Z2 [1]	4008321**991904**	23	67	5000	75	77	65	3000	93	120	< 3	7.2	20
LEP-5000-935-C-Z2 [1]	4008321**991928**	23	66	5000	76	76	66	3500	93	120	< 3	7.2	20
LEP-5000-940-C-Z2 [1]	4008321**991942**	23	64	5000	78	75	67	4000	93	120	< 3	7.2	20
LEP-4000-927-C-Z2 [1]	4008321**991966**	23	53	4000	76	62	64	2700	93	120	< 3	7.2	20
LEP-4000-930-C-Z2 [1]	4008321**991980**	23	48	4000	83	56	71	3000	93	120	< 3	7.2	20
LEP-4000-935-C-Z2 [1]	4008321**992000**	23	47	4000	85	55	72	3500	93	120	< 3	7.2	20
LEP-4000-940-C-Z2 [1]	4008321**992024**	23	46	4000	87	53	72	4000	93	120	< 3	7.2	20
LEP-3000-927-C-Z2 [1]	4008321**993861**	23	36	3000	97	36	84	2700	93	120	< 3	7.2	20
LEP-3000-930-C-Z2 [1]	4008321**993885**	23	33	3000	104	33	90	3000	93	120	< 3	7.2	20
LEP-3000-935-C-Z2 [1]	4008321**993908**	23	33	3000	107	32	93	3500	93	120	< 3	7.2	20
LEP-3000-940-C-Z2 [1]	4008321**990273**	23	32	3000	108	32	94	4000	93	120	< 3	7.2	20
LEP-2000-927-C-Z2 [1]	4008321**990297**	19	22	2000	72	32	62	2700	93	120	< 3	7.2	20
LEP-2000-930-C-Z2 [1]	4008321**990310**	19	21	2000	79	29	68	3000	93	120	< 3	7.2	20
LEP-2000-935-C-Z2 [1]	4008321**990334**	19	20	2000	81	29	70	3500	93	120	< 3	7.2	20
LEP-2000-940-C-Z2 [1]	4008321**990358**	19	20	2000	82	28	71	4000	93	120	< 3	7.2	20
LEP-1500-927-C-Z2 [1]	4008321**990372**	19	21	1500	80	22	67	2700	93	120	< 3	7.2	20
LEP-1500-930-C-Z2 [1]	4008321**990396**	19	19	1500	87	21	73	3000	93	120	< 3	7.2	20
LEP-1500-935-C-Z2 [1]	4008321**990419**	19	19	1500	89	20	74	3500	93	120	< 3	7.2	20
LEP-1500-940-C-Z2 [1]	4008321**990433**	19	19	1500	90	20	75	4000	93	120	< 3	7.2	20
LEP-800-927-C-Z2 [1]	4008321**990457**	9	11	800	79	12	65	2700	93	120	< 3	7.2	20
LEP-800-930-C-Z2 [1]	4008321**990471**	9	11	800	79	12	65	3000	93	120	< 3	7.2	20
LEP-800-935-C-Z2 [1]	4008321**990495**	9	11	800	79	12	65	3500	93	120	< 3	7.2	20
LEP-800-940-C-Z2 [1]	4008321**990518**	9	11	800	84	12	69	4000	93	120	< 3	7.2	20

1) Modules perfectly matched to OSRAM OPTOTRONIC® electronic control gear (see relevant table). | For current photometric data and important safety, installation and application information, go to www.osram.com/prevaled. All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.

PrevaLED® Core light engines are offered as a system comprising perfectly matched standardized LED modules, ECGs and connecting cables.

Product characteristics

- Z2 types comply with the standards of the Zhaga consortium for spotlight modules with a diameter of 50 mm

Zhaga

- Z2 types have a very homogeneous luminance distribution
- Z2 types: LES = light-emitting surface is according to Zhaga book 3
- Available with lumen packages from 800 lm to 5000 lm in light colors from 2700 K to 4000 K
- Module efficiency of up to 101 lm/W, system efficiency incl. ECG and temperature losses of up to 88 lm/W
- CRI 93 for Z2 types
- Same dimensions for the light engine irrespective of the lumen package
- Connection of LED module with OTp with dedicated cable
- No UV radiation
- No heat (IR) emitted in the direction of the light
- Lifetime 50000 hours (L70/B50) and 5-year system guarantee [1)]

Product benefits

- Fixed interfaces and dimensions provide the basis for future-proof designs with reduced luminaire development costs
- Platform with fixed lumen packages enables the modules to be replaced at a later date
- Great freedom of design thanks to maximum optical performance and flexibility
- Smaller light emission surface and positioning close to the reflector for better optical control
- Level light emission surface and excellent uniformity thanks to CoB (Chip-on-Board) technology
- High light quality with high CRI (93 for Z2 types) at full system efficiency
- Optimized uniformity of light thanks to LEP PreMix accessory (for HD types only)
- Reduction of the UV and IR-related deterioration
- Enhanced safety due to hot restrike (after a power outage, the LED module will be automatically switched on again by the ECG)
- Reduced maintenance costs thanks to long life and system components

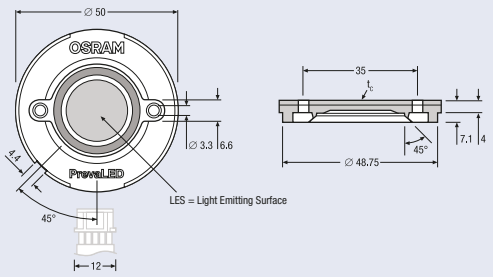
Applications

- Ideal for spotlight applications in retail outlets
- Downlights in corridors and offices

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled-core

1) For details and conditions see www.osram.com/system-guarantee

PrevaLED® Core – CRI 80



All figures in mm

Product reference	Product number	LES category	W	lm	lm/W	W SYSTEM	lm/W SYSTEM	K	Ra	°	Initial SDCM	h [mm]	
PrevaLED® Core – CRI 80													
LEP-5000-830-C-Z2 [1]	4008321**993649**	23	58	5000	86	67	75	3000	83	120	< 3	7.2	20
LEP-5000-835-C-Z2 [1]	4008321**993663**	23	57	5000	87	66	76	3500	83	120	< 3	7.2	20
LEP-5000-840-C-Z2 [1]	4008321**993687**	23	56	5000	89	65	77	4000	83	120	< 3	7.2	20
LEP-4000-827-C-Z2 [1]	4008321**993700**	23	46	4000	87	54	74	2700	83	120	< 3	7.2	20
LEP-4000-830-C-Z2 [1]	4008321**993724**	23	42	4000	96	49	82	3000	83	120	< 3	7.2	20
LEP-4000-835-C-Z2 [1]	4008321**993748**	23	41	4000	97	48	83	3500	83	120	< 3	7.2	20
LEP-4000-840-C-Z2 [1]	4008321**993762**	23	40	4000	99	48	84	4000	83	120	< 3	7.2	20
LEP-3000-827-C-Z2 [1]	4008321**993786**	23	31	3000	97	36	84	2700	83	120	< 3	7.2	20
LEP-3000-830-C-Z2 [1]	4008321**993809**	23	29	3000	104	33	90	3000	83	120	< 3	7.2	20
LEP-3000-835-C-Z2 [1]	4008321**993823**	23	29	3000	107	32	93	3500	83	120	< 3	7.2	20
LEP-3000-840-C-Z2 [1]	4008321**993847**	23	28	3000	108	32	94	4000	83	120	< 3	7.2	20
LEP-2000-827-C-Z2 [1]	4008321**745422**	19	28	2000	72	32	62	2700	83	120	< 3	7.2	20
LEP-2000-830-C-Z2 [1]	4008321**745361**	19	25	2000	79	29	68	3000	83	120	< 3	7.2	20
LEP-2000-835-C-Z2 [1]	4008321**745446**	19	25	2000	81	29	70	3500	83	120	< 3	7.2	20
LEP-2000-840-C-Z2 [1]	4008321**745408**	19	24	2000	82	28	71	4000	83	120	< 3	7.2	20
LEP-1500-827-C-Z2 [1]	4008321**745545**	19	19	1500	80	22	67	2700	83	120	< 3	7.2	20
LEP-1500-830-C-Z2 [1]	4008321**745569**	19	17	1500	87	21	73	3000	83	120	< 3	7.2	20
LEP-1500-835-C-Z2 [1]	4008321**745583**	19	17	1500	89	20	74	3500	83	120	< 3	7.2	20
LEP-1500-840-C-Z2 [1]	4008321**745606**	19	17	1500	90	20	75	4000	83	120	< 3	7.2	20
LEP-800-827-C-Z2 [1]	4008321**745460**	9	10	800	79	12	65	2700	83	120	< 3	7.2	20
LEP-800-830-C-Z2 [1]	4008321**745484**	9	10	800	79	12	65	3000	83	120	< 3	7.2	20
LEP-800-835-C-Z2 [1]	4008321**745507**	9	10	800	79	12	65	3500	83	120	< 3	7.2	20
LEP-800-840-C-Z2 [1]	4008321**745521**	9	10	800	84	12	69	4000	83	120	< 3	7.2	20

1) Modules perfectly matched to OSRAM OPTOTRONIC® electronic control gear (see relevant table). | For current photometric data and important safety, installation and application information, go to www.osram.com/prevaled. All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.

PrevaLED® Core light engines are offered as a system comprising perfectly matched standardized LED modules, ECGs and connecting cables.

Product characteristics

- Z2 types comply with the standards of the Zhaga consortium for spotlight modules with a diameter of 50 mm

Zhaga

- Z2 types have a very homogeneous luminance distribution
- Z2 types: LES = light-emitting surface is according to Zhaga book 3
- Available with lumen packages from 800 lm to 5000 lm in light colors from 2700 K to 4000 K
- Module efficiency of up to 108 lm/W, system efficiency incl. ECG and temperature losses of up to 94 lm/W
- Connection of LED module with OTp with dedicated cable
- No UV radiation
- No heat (IR) emitted in the direction of the light
- Lifetime 50000 hours (L70/B50) and 5-year system guarantee [1)]

Product benefits

- Even more efficient luminaires can be developed for additional energy savings
- Simple interchangeability thanks to the same dimensions and constant lumen packages
- Wide variety of luminaire designs thanks to a broad portfolio
- Smaller light emission surface and positioning close to the reflector for better optical control
- Level light emission surface and excellent uniformity thanks to CoB (Chip-on-Board) technology
- No diffuser (e.g. LEP PreMix) necessary
- Reduction of the UV and IR-related deterioration
- Enhanced safety due to hot restrike (after a power outage, the LED module will be automatically switched on again by the ECG)
- Reduced maintenance costs thanks to long life and system components

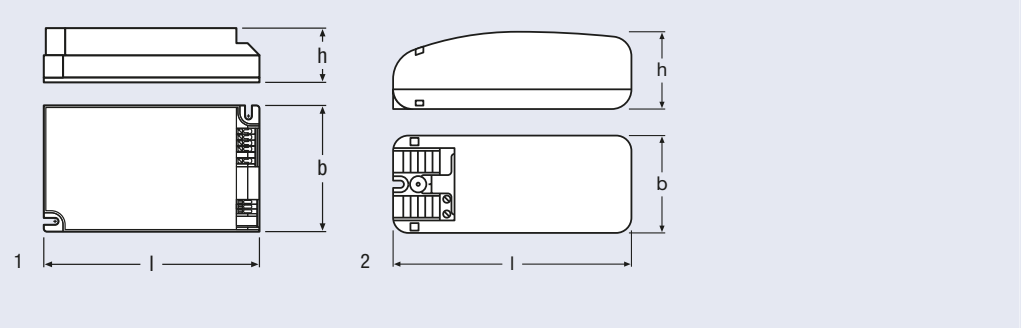
Applications

- Ideal for spotlight applications
- Downlights in corridors and offices

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled-core

1) For details and conditions see www.osram.com/system-guarantee

OPTOTRONIC® control gears for PrevaLED® Core



Product reference	Product number	W	CONTROL	V/W AUXILIARY OUTPUT	T_a	l [mm]	b [mm]	h [mm]		No.
OPTOTRONIC® control gears for PrevaLED® Core										
OTp 60/220-240/2000 FAN	4008321**990532**	60	–	12/1	-20…50	148	60	35	20	–
OTp DALI 45/220-240/700 HD FAN	4008321**659880**	45	DALI	5/1	-20…50	123	79	33	20	1
OTp 45/220-240/700 HD FAN	4008321**633705**	45	–	5/1	-20…50	123	79	33	20	1
OTp 45/220-240/700 HD	4008321**966117**	45	–	–	-20…50	123	79	33	20	1
OTp DALI 35/220-240/700 HD	4008321**963413**	35	DALI	–	-20…50	123	79	33	20	1
OTp 35/220-240/700 HD	4008321**963420**	35	–	–	-20…50	123	79	33	20	1
OTp 35/220-240/700	4008321**962218**	35	–	–	-20…50	123	79	33	20	1
OTp 15/220-240/700 HD	4008321**962225**	15	–	–	-20…50	109	50	35	20	2

Product characteristics
- DALI versions available
- Auxiliary supply for active cooling, 5 V for OTp 45 FAN and 12 V for OTp 60
- Optional cable clamp for strain relief

Product benefits
- Dedicated ECG for PrevaLED® Core LED module

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled-core

Control gear combination for PrevaLED® Core

	OTp 60 FAN	OTp DALI 45 HD Fan	OTp 45 HD Fan	OTp 45 HD	OTp DALI 35 HD	OTp 35 HD	OTp 35	OTp 15 HD
PrevaLED® Core – CRI 90								
LEP-5000-xxx-C-Z2	●	×	×	×	×	×	×	×
LEP-4000-xxx-C-Z2	●	×	×	×	×	×	×	×
LEP-3000-xxx-HD-C	×	●	●	●	×	×	×	×
LEP-3000-xxx-C-Z2	×	●	●	●	×	×	×	×
LEP-2100-xxx-HD-C	×	○	○	○	●	●	×	×
LEP-2000-xxx-C-Z2	×	●	●	●	●	●	●	×
LEP-1500-xxx-HD-C	×	○	○	○	●	●	×	×
LEP-1500-xxx-C-Z2	×	●	●	●	●	●	●	×
LEP-800-xxx-HD-C	×	○	○	○	○	○	×	●
LEP-800-xxx-C-Z2	×	○	○	○	●	●	×	○
PrevaLED® Core – CRI 80								
LEP-5000-8xx-C-Z2	●	×	×	×	×	×	×	×
LEP-4000-8xx-C-Z2	●	×	×	×	×	×	×	×
LEP-3000-8xx-C-Z2	×	●	●	●	×	×	×	×
LEP-2000-8xx-C-Z2	×	●	●	●	●	●	●	×
LEP-1500-8xx-C-Z2	×	●	●	●	●	●	●	×
LEP-800-8xx-C-Z2	×	○	○	○	●	●	×	○

● Recommended combination ○ Possible combination × Not possible

Accessories for PrevaLED® Core

Product reference	Product number	
Cables		
OTp cable 400mm [1]	4008321**966131**	20
OTp cable 800mm [1]	4008321**590565**	20
OTp cable Z2 400mm [1]	4008321**679543**	20
OTp cable Z2 800mm [1]	4008321**679512**	20
OTp cable Z2 OW 800mm [1]	4008321**991676**	20

Cables
- In two lengths according to the luminaire design
- Protected against reverse voltage
- Connects the individual PrevaLED® Core LED module to the power supply

Product reference	Product number	
Cable clamp (optional)		
Cable clamp OTp 45, OTp 35 [1]	4008321**966155**	10

Cable clamp (optional)
- No need for external strain relief
- ECG with strain relief suitable for separate installation
- ECG is clicked in

Product reference	Product number	
LEP PreMix		
LEP PreMix [1]	4008321**674982**	10

LEP PreMix
- Dedicated for HD types only
- Diffused internal surface and structured external surface
- Permanent glass construction
- No effect on the life of the module
- Optimized uniformity of light for reflector-based applications
- Reduced color spread and shadowing
- Snap fixing on the module locking ring
- Additional protection for the module against contact

1) For current data and important safety, installation and application information, see www.osram.com/prevaled.

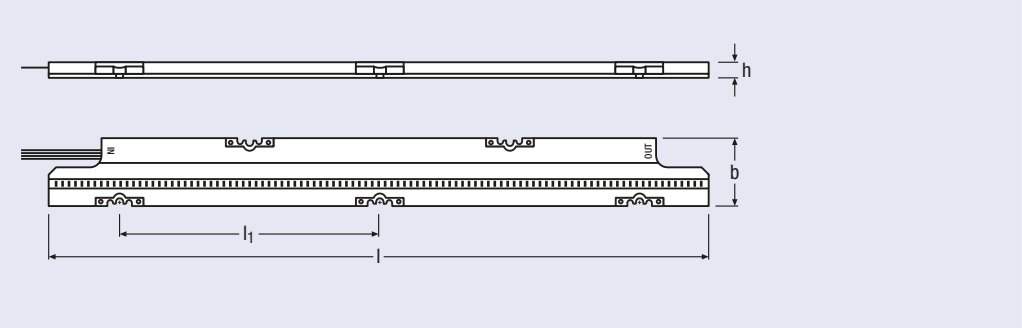
Accessories combination for PrevaLED® Core

	OTp cable 400 mm	OTp cable 800 mm	OTp cable Z2 400 mm	OTp cable Z2 800 mm	OTp cable Z2 OW 800 mm	LEP PreMix	Cable clamp
OTp types							
OTp 60 [1]	×	×	×	×	●	×	×
OTp 45 HD types [1]	●	●	●	●	×	×	optional
OTp 35 HD types [1]	●	●	●	●	×	×	optional
OTp 35 [1]	●	●	●	●	×	×	optional
OTp 15 HD [1]	●	●	●	●	×	×	×
PrevaLED® Core – CRI 90							
LEP-xxxx-xxx-HD-C [1]	●	●	×	×	×	optional	×
LEP-800-3000-xxx-C-Z2 [1]	×	×	●	●	●	×	×
LEP-4000/5000-xxx-C-Z2 [1]	×	×	×	×	●	×	×
PrevaLED® Core – CRI 80							
LEP-800-3000-xxx-C-Z2 [1]	×	×	●	●	●	×	×
LEP-4000/5000-xxx-C-Z2 [1]	×	×	×	×	●	×	×

● Recommended combination × Not possible

1) For current data and important safety, installation and application information, see www.osram.com/prevaled.

PrevaLED® Linear



Product reference	Product number	W [2]	lm [2]	lm/W [2]	W SYSTEM [2]	lm/W SYSTEM [2]	K	Ra	∠°	Initial SDCM	l [mm]	l1 [mm]	b [mm]	h [mm]	
PrevaLED® Linear															
LEP-1000-830-L [1]	4008321**975638**	8.5	1000	118	10	100	3000	> 80	120	< 3	280	110	28	6.6	12
LEP-1000-840-L [1]	4008321**971944**	8.5	1000	118	10	100	4000	> 80	120	< 3	280	110	28	6.6	12
LEP-1000-850-L [1]	4008321**975652**	8.5	1000	118	10	100	5000	> 80	120	< 3	280	110	28	6.6	12
LEP-2000-830-L [1]	4008321**975690**	17	2000	118	20	100	3000	> 80	120	< 3	280	110	28	6.6	12
LEP-2000-840-L [1]	4008321**975676**	17	2000	118	20	100	4000	> 80	120	< 3	280	110	28	6.6	12
LEP-2000-850-L [1]	4008321**975713**	17	2000	118	20	100	5000	> 80	120	< 3	280	110	28	6.6	12

Product characteristics
- SELV system
- Automatic detection of the number of modules
- Modularity: 1–2 x 2000 lm or 2–4 x 1000 lm operated by one OTp 40 L (see page 82)
- Module cover with integrated reflector
- T_c = 65 °C
- Lifetime (L80 B50): 60000 h
- Accessories included (end cap, flexible bridge)
- Dedicated cable available (see page 82)

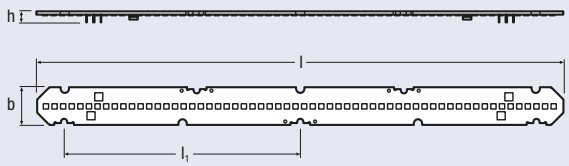
Product benefits
- Efficiency: up to 100 lm/W (system), up to 118 lm/W (module)
- Uniform distribution of light thanks to 3.7-mm LED pitches
- Consistent white light < 3 SDCM
- Seamless: no shadows between the modules
- SELV concept for luminaires with high safety requirements
- Different mounting options for good thermal conduction

Applications
- Industry (warehouses, stockrooms, retail outlets, etc.)
- Offices (corridors etc.)

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled-linear

1) Modules perfectly matched to OSRAM OPTOTRONIC® electronic control gear (see relevant table). | For current photometric data and important safety, installation and application information, go to www.osram.com/prevaled-linear. All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) Tolerance due to LED bin

PrevaLED® Linear Slim



All figures in mm

Product reference	Product number	W [2]	lm [2]	lm/W [2]	W SYSTEM [2]	lm/W SYSTEM [2]	K	Ra	∠°	Initial SDCM	l [mm]	l_1 [mm]	b [mm]	h [mm]	
PrevaLED® Linear Slim															
LEP-630-830-LS [1]	4008321**978844**	5.3	630	118	6.3	100	3000	> 80	120	< 3	279.4	125	20	5.6	16
LEP-630-840-LS [1]	4008321**978820**	5.3	630	118	6.3	100	4000	> 80	120	< 3	279.4	125	20	5.6	16
LEP-1000-830-LS [1]	4008321**978882**	8.5	1000	118	10	100	3000	> 80	120	< 3	279.4	125	20	5.6	16
LEP-1000-840-LS [1]	4008321**978868**	8.5	1000	118	10	100	4000	> 80	120	< 3	279.4	125	20	5.6	16
LEP-2000-830-LS [1]	4008321**978929**	17	2000	118	20	100	3000	> 80	120	< 3	279.4	125	20	5.6	16
LEP-2000-840-LS [1]	4008321**978905**	17	2000	118	20	100	4000	> 80	120	< 3	279.4	125	20	5.6	16

Product characteristics
- Minimized geometry of the control gear thanks to non-SELV concept
- Modularity: 1–2 x 2000 lm, 2–5 x 1000 lm or 4–8 x 630 lm operated by one OTp DALI 45 LS (see page 82)
- T_c = 65 °C
- Lifetime (L80 B50): 60000 h
- IDC connectors for standard cable AWG 20

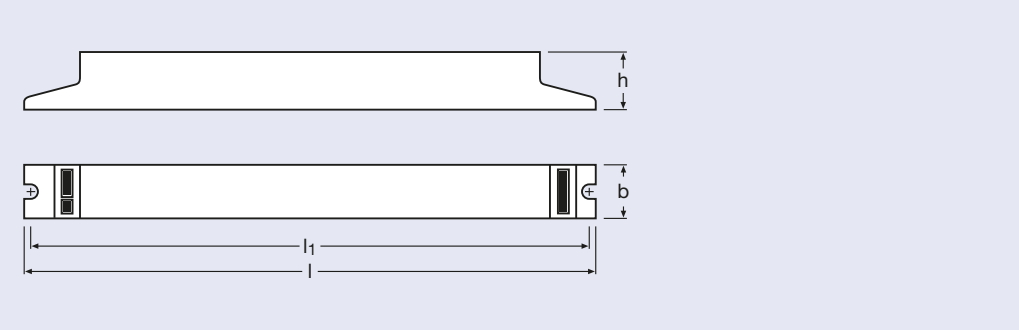
Product benefits
- Efficiency: up to 100 lm/W (system), up to 118 lm/W (module)
- Uniform distribution of light thanks to 4.2-mm LED pitch
- Consistent white light < 3 SDCM
- Seamless: no shadows between the modules

Applications
- Offices (workplace lighting, corridors etc.)
- Industry (warehouses, stockrooms, retail outlets, etc.)

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled-linear

1) Modules perfectly matched to OSRAM OPTOTRONIC® electronic control gear (see relevant table). | For current photometric data and important safety, installation and application information, go to www.osram.com/prevaled-linear. All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) Tolerance due to LED bin

OPTOTRONIC® control gears for PrevaLED® Linear and PrevaLED® Linear Slim



Product reference	Product number	W	CONTROL	T_a	l [mm]	b [mm]	h [mm]	
OPTOTRONIC® control gears for PrevaLED® Linear and PrevaLED® Slim								
OTp 40/220-240/700 L	4008321**975737**	40	-	-20...50	360	30	28	20
OTp DALI 45/220-240/400 LS [1]	4008321**975751**	45	DALI	-20...50	280	30	21	20

Product characteristics OTp 40 L
- SELV system
- Modularity: up to 2 x 2000 lm and 4 x 1000 lm
- Power factor 0.9
- Connection with dedicated OTp cable L

Product characteristics OTp DALI 45 LS
- Modularity: up to 2 x 2000 lm, 5 x 1000 lm or 8 x 630 lm modules
- Power factor 0.9
- DALI version with 10 % minimum dimming level
- Connection with standard cables
- Minimized geometry of the control gear thanks to non-SELV concept

Accessories for PrevaLED® Linear

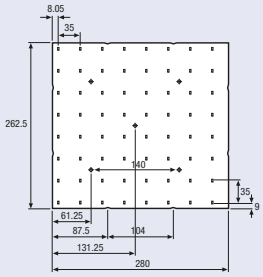
Product reference	Product number	Cable length	
Accessories for PrevaLED® Linear			
OTp cable L 800mm [2]	4008321**978967**	800	20

Product characteristics
- Connects the PrevaLED® Linear module to the power supply

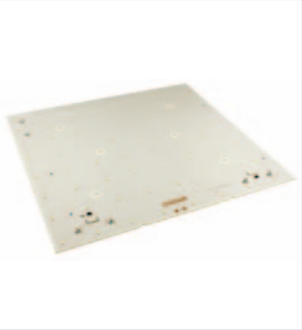
For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled-linear

1) PrevaLED® Linear Slim
2) For current data and important safety, installation and application information, see www.osram.com/prevaled-linear.

PrevaLED® Area



All figures in mm



Product reference	Product number	W	lm	lm/W	W SYSTEM	lm/W SYSTEM	K	Ra	°	Initial SDCM	l [mm]	b [mm]	h [mm]	
PrevaLED® Area														
LEP-1000-840-A [1) 2)]	4008321**991638**	8.7	1000	115	10	100	4000	> 80	120	< 3	280	262.5	6	4
LEP-1000-830-A [1) 2)]	4008321**991652**	8.7	1000	115	10	100	3000	> 80	120	< 3	280	262.5	6	4

Product characteristics

- LED tile with 8 x 8 grid for homogeneous light distribution and reduced dark zones
- LED tile supports most fixture geometries due to rectangular shape
- Modularity: 2–5 modules operated by one OTp DALI 45 LS
- Designed for fixtures with 600 x 600-mm and 1200 x 300-mm shape
- 100-V-non-SELV system
- System efficiency: up to 100 lm/W
- Initial color consistency of 3 SDCM (Mac Adam ellipses)

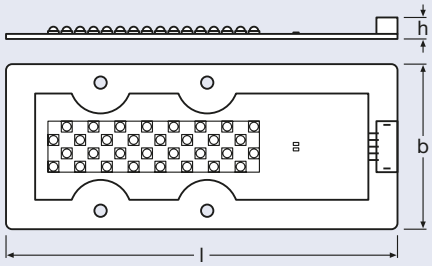
Applications

- Office (general illumination)

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled

1) All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
2) In preparation

PrevaLED® Compact



Product reference	Product number	W	lm	lm/W	K	Ra	l [mm]	b [mm]	h [mm]	
PrevaLED® Compact										
LEP-2500-740-CT2 1) 2)	4008321**989017**	22	2500	112	4000	70	95	39	8	20
LEP-4000-740-CT3 1) 2)	4008321**989093**	32	4000	124	4000	70	110	46	8	20
LEP-4000-657-CT3 1) 2)	4008321**989109**	31	4000	127	5700	65	110	46	8	20
LEP-6000-740-CT3 1) 2)	4008321**989116**	56	6000	107	4000	70	110	46	8	20
LEP-6000-657-CT3 1) 2)	4008321**989123**	50	6000	120	5700	65	110	46	8	20

Product characteristics
- OSRAM takes care to comply with the Zhaga standard for the abovementioned LED module
- High lumen packages
- Highly efficient with up to 127 lm/W
- Extremely compact module with Lambertian light distribution

Product benefits
- Lower update costs and shorter development times due to standardization
- Compact module design allows for a wide variety of applications in the most diverse luminaire concepts
- Smaller light emission surface and positioning close to the reflector for better optical control
- Enhanced safety thanks to hot restrike (after a power outage, the LED module will be automatically switched on again by the ECG)
- Dimmability, instant-on light without start-up time, hot restrike and long lifetime open up new application possibilities and reduce life cycle costs
- When operated with a suitable OSRAM control gear, the temperature sensor in the module ensures that no overheating is possible

Applications
- Outdoor lighting (streets, floodlights etc.)
- Industrial lighting
- Ceiling floodlights

For further information and/or detailed product data sheets, please go to: www.osram.com/prevaled

1) 1100 (even more compact dimensions), 8000 and 10000 lm, 3000 K and color rendering > 80 in preparation or on request
2) Modules perfectly matched to OSRAM OPTOTRONIC® electronic control gear (see relevant table). | For current photometric data and important safety, installation and application information, go to www.osram.com/prevaled. All the technical parameters apply to the entire module. In view of the complex manufacturing process for light-emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.

Control gear combination for PrevaLED® Compact

	OT 50/220-240/ 700 3DIMLT E	OT 50/220-240/ 700 LT E	OT 90/220-240/ 700 3DIMLT E	OT 90/220-240/ 700 3DIM E	OT 150/220-240/ 700 3DIMLT E	OT 150/220-240/ 700 LT E	OT 45/220-240/ 700 LTCS	OT 35/220-240/ 700 LTCS
LEP-2500-740-CT2	●	●	●	●	1)	1)	●	●
LEP-4000-740-CT3	●	●	●	●	1)	1)	●	●
LEP-4000-657-CT3	●	●	●	●	1)	1)	×	●
LEP-6000-740-CT3	×	×	●	●	1)	1)	×	×
LEP-6000-657-CT3	×	×	●	●	1)	1)	×	×

● Recommended combination × Not possible

For technical data on the OPTOTRONIC® units, go to chapter Control gears & dimmers p. 86–119
1) In preparation

Control gears & dimmers

Real efficiency is the ability to provide simple control of even the most complex tasks. Perfect coordination for large-scale systems: electronic LED control gears and dimmers from OSRAM.

Constant current	91
LEDset, also with 3DIM – suitable for outdoor use	91
LEDset, also with DALI® – suitable for indoor use	93
Phase-cut dimmable	95
700 mA	96
500 mA	98
350 mA	98
Constant voltage	102
24 V also with 3DIM – suitable for outdoor use	102
24 V also with DALI® – suitable for indoor use	102
24 V	103
12 V	109
10 V	111
Dimmers	113
DALI® dimmers	113
1...10 V dimmers	115
DMX dimmers	116

Pick the ECG suitable for the application

OUTDOOR

- Enhanced environmental protection (IP grade)
- Extented operating temperature range
- Outstanding surge protection capability

DIMMABLE

Any time dimming and modulation of output power is needed for maximizing energy savings

OPTOTRONIC®

OPTOTRONIC® – a key component for LED systems

LED technology is changing the world of general lighting and opening up entirely new possibilities for lighting planning and luminaire design. The continuous development of LEDs and the new requirements that follow as a result also call for LED control gears to provide a high degree of flexibility and future-proof design – with high performance in terms of efficiency and the power factor, for example.

Electronic control gears are a key component in LED solutions. The OPTOTRONIC® portfolio meets these requirements and provides the basis for applications with high-quality light, long lifetimes, exceptional reliability and attractive design. The product range with its graded features offers an ideal selection of LED control gears.

Depending on the technical application, there is a choice of two OPTOTRONIC® ECG types.

- **OPTOTRONIC® constant voltage ECGs**
  Constant voltage ECGs with an output voltage of 12 V and 24 V in an output power range of up to 240 W are suitable for modular and scalable LED systems. In this product range, OSRAM offers LED ECGs with integrated control interfaces (DALI®, 3DIM, 1…10 V, EASY, …) and with externally combinable control units (DALI®, DMX, 1…10 V, …). The electrical isolation between the primary and secondary sides (SELV, SELV-equivalent) and the reversible protection mechanisms for overload, short-circuit and overtemperature enable the LED systems to be set up safely and reliably.

- **OPTOTRONIC® constant current ECGs**
  OPTOTRONIC® constant current ECGs provide the basis for highly efficient LED solutions in demanding applications. OSRAM offers a wide range of both simple and fully programmable devices, including the innovative LEDset interface between the OPTOTRONIC® ECG and the LED module. The devices from this product category have various control interfaces (DALI®, EASY, 3DIM, leading-edge and trailing-edge dimming, …) to meet the different requirements of the relevant applications.

Comfort
- The majority of OPTOTRONIC® devices are suitable for luminaires of protection class II
- ECGs for outdoor applications have high surge protection
- Full flexibility for the selection of the LED module and the functionality through LEDset interface
- Wide variety of dimming options
- Small space requirements thanks to compact, functional design

Economy
- Very low power consumption thanks to extremely high efficiency
- Low maintenance factor thanks to “constant lumen” function
- New dimming methods in street applications for existing installations (3DIM)
- Impressive reliability through long life
- Future-proof design (thanks to LEDset)

Safety
- All OPTOTRONIC® ECGs meet the necessary standards for lighting technology:
  – Safety (EN 61347-2-13)
  – Operation (EN 62384)
  – Radiated and line-bound radio interference suppression (EN 55015)
  – EMC immunity (EN 61547)
  – Harmonics (EN 61000-3-2)
- Protection mechanisms for short-circuit, overtemperature and overload are implemented
- Operation in a wide range of ambient temperatures

For the latest information on the products in this section, go to: www.osram.com/optotronic

OPTOTRONIC® LEDset

LED**set** – **s**imple **e**ffective **t**uning

LED technology offers a high degree of flexibility for the design of luminaires. Its rapid innovation cycles in terms of efficiency and operating current call for optimum matching of the ECGs to meet the new requirements.

The new OPTOTRONIC® devices with the LEDset interface take this flexibility into account by covering a wide range of wattages and currents and supporting new generations of LEDs with their future-proof design.

LEDset is an intelligent interface between the LED module and the ECG and offers the following possibilities:

- Flexible current setting by means of an external resistor
- Local dimming function within the luminaire
- Customer-specific overtemperature protection for the LED module
- 12 V auxiliary supply (15 mA) for customer-specific control of the LED module (sensor-controlled current, constant lumen, …)

For more information and typical applications, go to:
www.osram.com/ledset

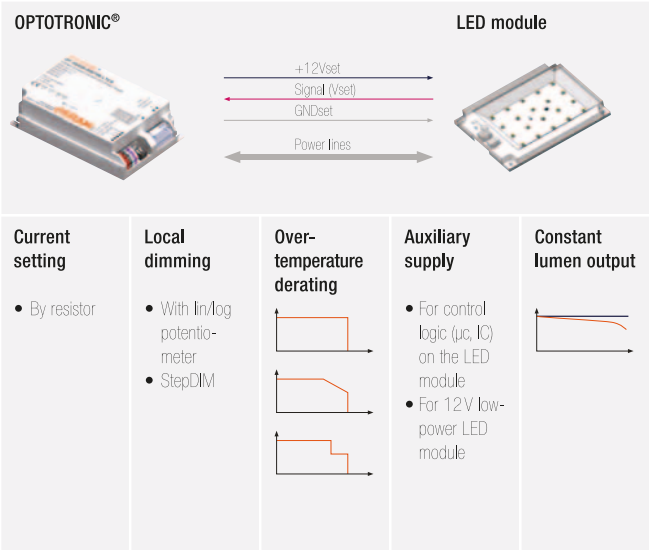


Figure 1: LEDset application features.

OPTOTRONIC® 3DIM

3DIM – three independent dimming modes in one device

3DIM DALI StepDIM AstroDIM

3DIM stands for a combination of three control and dimming options in one device. OSRAM offers this functionality for constant-current and constant-voltage LED ECGs and also for ECGs for high-intensity discharge lamps. It is therefore a uniform concept for a wide range of lighting technologies.

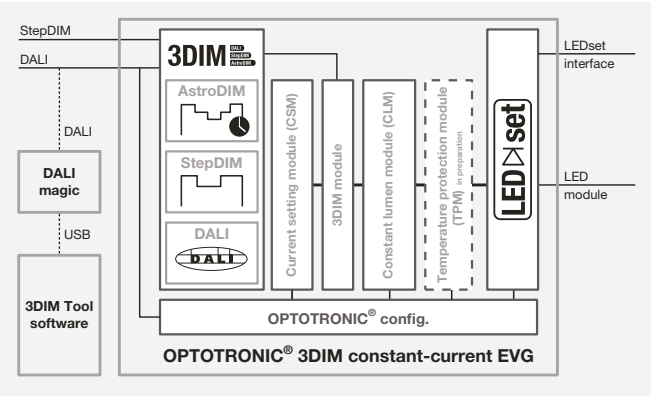
StepDIM
- Dimming via an external control phase. Predefined dim levels can be varied by the 3DIM Tool software, and so can the polarity of the phase

AstroDIM
- Automatic dimming via an integrated timer, predefined periods and dim levels can be changed via the software

DALI®
- Suitable for integration in bidirectional telemanagement systems

OPTOTRONIC® LED constant-current 3DIM control gears
This fully programmable family of devices offers not only 3DIM functionality but also the option of setting the parameters for output current, lumen maintenance and, in future, overtemperature protection on the LED module via the 3DIM Tool software. The high degree of flexibility of these devices provides the basis for optimum adjustment to the required lighting conditions, reduces the maintenance factor and also increases the reliability of the luminaire in critical operating conditions.

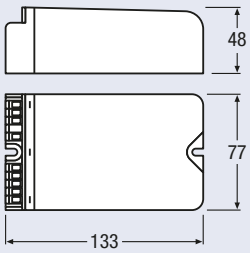
- Accessories: 3DIM Tool 2.0 Software and DALI® magic hardware for configuring 3DIM ECGs (www.osram.com/3dim)



3DIM DALI StepDIM AstroDIM	StepDIM	AstroDIM	DALI
Energy saving through dimming	●	●	●
Easy integration into existing installations	●	●	
Flexibility		●	●
ECG/lighting source status response			●

700 mA OPTOTRONIC® control gear, DALI®/3DIM/LEDset

LED set · DALI · 3DIM DALI StepDIM AstroDIM · DIMMABLE · OUTDOOR



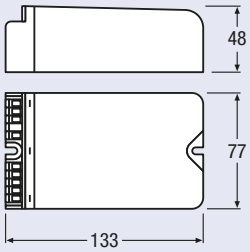
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 90/220-240/700 3DIMLT E	4008321**664471**	90	195…264 [1]	50/60	I / II	IP20 [3]	75…700 [2]	65…245	3DIM/LEDset	-30…+55	20

- Large output power range of up to 90 W
- 3DIM interface (StepDIM/AstroDIM/DALI®)
- Suitable for luminaires of protection classes I and II
- Current output range 75 – 700 mA
- High surge protection of up to 4 kV (L-N)/4 kV (L/N-PE)
- Flexible current setting, fully programmable ECG
- Different dimming modes and levels can be set
- Stand-alone dimming function enables operation in existing installations
- Suitable for outdoor applications

700 mA OPTOTRONIC® control gear, DALI®/3DIM/LEDset

LED set · DALI · 3DIM DALI StepDIM AstroDIM · DIMMABLE · OUTDOOR



All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 50/220-240/700 3DIMLT E	4008321**664457**	54	195…264 [1]	50/60	I / II	IP20 [3]	75…700 [2]	38…120	3DIM/LEDset	-30…+60	20

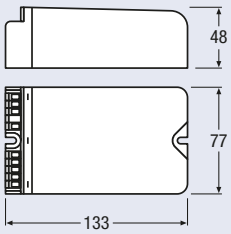
- Large output power range of up to 54 W
- 3DIM interface (StepDIM/AstroDIM/DALI®)
- Suitable for luminaires of protection classes I and II
- Current output range 75 – 700 mA
- High surge protection of up to 4 kV (L-N)/4 kV (L/N-PE)
- Flexible current setting, fully programmable ECG
- Different dimming modes and levels can be set
- Stand-alone dimming function enables operation in existing installations
- Suitable for outdoor applications

>> New 700 mA OPTOTRONIC® control gear, DALI®/3DIM/LEDset to come: OT 150/220-240/700 3DIMLT E

1) Permitted voltage range 2) ± 5% (350-700 mA) 3) Suitable for luminaires with type of protection IP54

700 mA OPTOTRONIC® control gear, LEDset

LED set DIMMABLE OUTDOOR



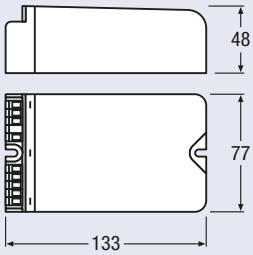
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 90/220-240/700 LT E	4008321**664976**	90	195…264 [1]	50-60	I / II	IP20 [3]	75…700 [2]	65...245	LEDset	-30…+55	20

- Large output power range up to 90 W
- Control of current setting via LEDset interface
- Suitable for luminaires of protection classes I and II
- Current output range 75 – 700 mA
- High surge protection up to 4 kV (L-N)/4 kV (L/N-PE)
- Future-proof and flexible current setting
- Consistently high efficiency
- Suitable for outdoor applications

700 mA OPTOTRONIC® control gear, LEDset

LED set DIMMABLE OUTDOOR



All figures in mm

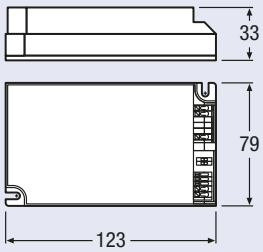
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 50/220-240/700 LT E	4008321**774255**	54	195…264 [1]	50-60	I / II	IP20 [3]	75…700 [2]	38…120	LEDset	-30…+60	20

- Large output power range up to 54 W
- Control of current setting via LEDset interface
- Suitable for luminaires of protection classes I and II
- Current output range 75 – 700 mA
- High surge protection up to 4 kV (L-N)/4 kV (L/N-PE)
- Future-proof and flexible current setting
- Consistently high efficiency
- Suitable for outdoor applications

>> New 700 mA OPTOTRONIC® control gear, LEDset to come: OT 150/220-240/700 LT E

1) Permitted voltage range
2) ± 5 % (350-700 mA)
3) Suitable for luminaires of protection class IP54

700 mA OPTOTRONIC® control gear, DALI®/LEDset



All figures in mm

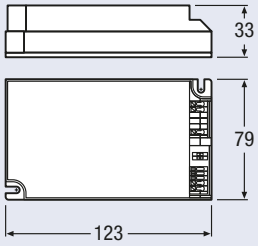
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT DALI 45/220-240/700 LTCS	4008321**978240**	45	195…264 [1]	0/50/60	I / II	IP20	50…700 [2]	38…120	DALI/LEDset	-25…+50	20

- Large output power range up to 45 W
- SELV equivalent
- Current output range 50 – 700 mA
- Control of current setting via DIP switch and LEDset interface
- Very low inrush current
- Future-proof and flexible current setting
- Consistently high efficiency
- Suitable for indoor applications
- Suitable for emergency applications

1) Permitted voltage range
2) ± 5 % (350-700 mA)

700 mA OPTOTRONIC® control gear, LEDset

LED set DIMMABLE



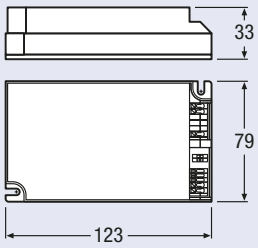
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 45/220-240/700 LTCS	4008321**664433**	45	195…264 [1]	50-60	I / II	IP20	100…700 [2]	38…120	LEDset	-25…+50	20

- Large output power range up to 45 W
- SELV equivalent
- Current output range 100 – 700 mA
- Control of current setting via DIP switch and LEDset interface
- Very low switch-on current
- Future-proof and flexible current setting
- Consistently high efficiency
- Suitable for indoor applications

700 mA OPTOTRONIC® control gear, LEDset

LED set DIMMABLE



All figures in mm

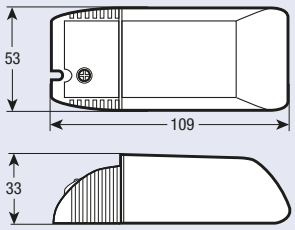
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 35/220-240/700 LTCS	4008321**664419**	35	195…264 [1]	50-60	I / II	IP20	100…700 [2]	24…87	LEDset	-25…+50	20

- Large output power range up to 35 W
- SELV equivalent
- Current output range 100 – 700 mA
- Control of current setting via DIP switch and LEDset interface
- Very low switch-on current
- Future-proof and flexible current setting
- Consistently high efficiency
- Suitable for indoor applications

1) Permitted voltage range
2) ± 5 % (350-700 mA)

350/700 mA OPTOTRONIC® control gear, phase-cut

DIMMABLE



All figures in mm

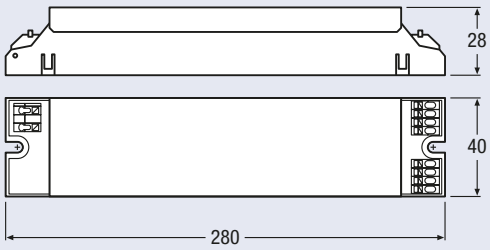
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
700 mA											
OTe 20/220-240/700 PC	4008321**978363**	20 [5]	195…264 [1]	50-60	I / II	IP20	700 [2]	22.5…28.5	Leading edge and trailing edge	-20…+45	20
OTe 15/220-240/700 PC	[7]	16 [4]	**195…**264 [1]	50-60	I / II	IP20	700 [2]	23 [6]	Leading edge and trailing edge	-20…+45	20
OTe 9/220-240/700 PC	4008321**688842**	10 [3]	195…264 [1]	50-60	I / II	IP20	700 [2]	7.5…14	Leading edge and trailing edge	-20…+50	20
350 mA											
OTe 20/220-240/350 PC	4008321**978349**	20 [5]	195…264 [1]	50-60	I / II	IP20	350 [2]	45…57	Leading edge and trailing edge	-20…+45	20
OTe 15/220-240/350 PC	4008321**700346**	16 [4]	195…264 [1]	50-60	I / II	IP20	350 [2]	28…45.5	Leading edge and trailing edge	-20…+45	20
OTe 9/220-240/350 PC	4008321**978387**	10 [3]	195…264 [1]	50-60	I / II	IP20	350 [2]	17…29	Leading edge and trailing edge	-20…+50	20

- SELV equivalent
- Dimmable via leading edge/trailing edge
- Compatible with the most common leading-edge and trailing-edge phase dimmers
- Compact housing for mounting in very tight spaces
- Integrated cable clamp for independent mounting
- Suitable for indoor applications

1) Permitted voltage range
2) +-5 %
3) Partial load 6…20 W
4) For partial load see the data sheet
5) Partial load 16…20 W
6) Maximal. For more information see data sheet.
7) In preparation

700 mA OPTOTRONIC® control gear

DIMMABLE



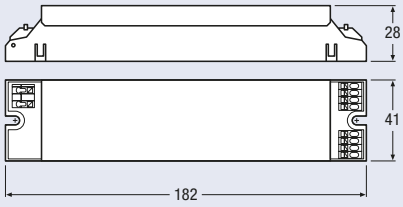
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 70/220-240/2x700 SD	4008321**989567**	70	195…264 [1]	50-60	[3]	IP20	2x700[2]	16…54	StepDIM	-25…+50	20

- SELV equivalent
- 2 output channels
- StepDIM interface: switch between two predefined output currents by means of an external switch or PIR sensor
- Suitable for indoor applications

700 mA OPTOTRONIC® control gear

DIMMABLE



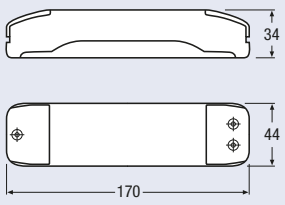
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 35/220-240/700 SD	4008321**989543**	35	195…264 [1]	50-60	[3]	IP20	700 [2]	16…50	Step DIM	-25…+50	20

- SELV equivalent
- StepDIM interface: switch between two predefined output currents by means of an external switch or PIR sensor
- Suitable for indoor applications

1) Permitted voltage range
2) < ±10 %
3) Please see data sheet

700 mA OPTOTRONIC® control gear



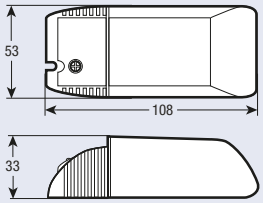
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 35/220-240/700	4008321**691248**	35	195…264 [1]	50-60	I / II	IP20	700 [2]	25…50	–	-25…+45	10

- SELV equivalent
- Large output power range up to 35 W
- Cable clamp housing for independent mounting
- Suitable for indoor applications

700 mA OPTOTRONIC® control gear

DIMMABLE



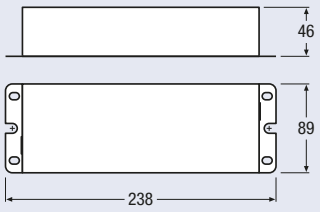
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 18/200-240/700 DIM	4008321**139320**	17	180…254 [1]	50-60	I / II	IP20	0…700 [2]	2.0…25	Poti	-20…+50	20

- SELV equivalent
- Compact housing
- Dimmable via external potentiometer
- Cable clamp housing for independent mounting
- Suitable for indoor applications

1) Permitted voltage range
2) ±5 %

500 mA OPTOTRONIC® control gear

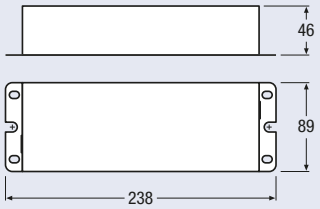


All figures in mm

Product reference	Product number	W	V_{IN}	pro-tection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 90/220-240/4x500 E	4008321**651600**	90	198…264 [1]	I	IP64	4x500 [2]	< 45 [4]	–	-25…+55	6

- Large output power range up to 90 W
- 4 output channels, each with low output voltage (< 60 V)
- High surge protection up to 3 kV (L-N)/3.5 kV (L/N-PE)
- Robust and reliable design
- Doubling of the output current (2 x 500 mA = 1 A) by connecting two channels in parallel
- Suitable for outdoor applications

350 mA OPTOTRONIC® control gear



All figures in mm

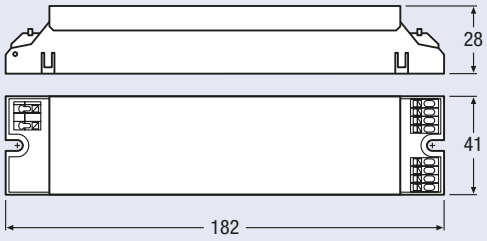
Product reference	Product number	W	V_{IN}	Hz	pro-tection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 90/220-240/4x350 E	4008321**637345**	81	198…264 [1]	50-60	I	IP64	4x350 [3]	58	–	-25…+55	6

- Large output power range up to 81 W
- 4 output channels, each with low output voltage (< 60 V)
- High surge protection up to 3 kV (L-N)/3.5 kV (L/N-PE)
- Robust and reliable design
- Doubling of the output current (2 x 350 mA = 700 mA) by connecting two channels in parallel
- Suitable for outdoor applications

1) Permitted voltage range
2) Per channel ± 10 %
3) ±10 %
4) Maximum 52 V per channel

350 mA OPTOTRONIC® control gear

DIMMABLE



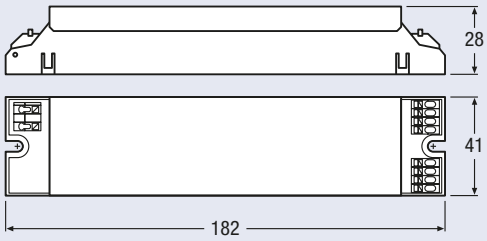
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 25/220-240/2x350 SD	4008321**523686**	24	198…264 [1]	50-60	I [3]	IP20	2x350 [2]	34	StepDIM	-20…+55	20

- SELV equivalent
- 2 output channels
- StepDIM interface: switch between two predefined output currents by means of an external switch or PIR sensor
- Slim housing with separate push-in terminals
- Suitable for indoor applications

350 mA OPTOTRONIC® control gear

DIMMABLE



All figures in mm

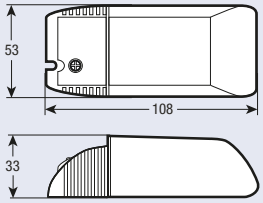
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OTe 13/220-240/350 SD	4008321**519795**	12	198…264 [1]	50-60	I [3]	IP20	350 [2]	34	StepDIM	-20…+55	20

- SELV equivalent
- StepDIM interface: switch between two predefined output currents by means of an external switch or PIR sensor
- Slim housing with separate push-in terminals
- Suitable for indoor applications

1) Permitted voltage range
2) ±5 %
3) Please see data sheet

350 mA OPTOTRONIC® control gear

DIMMABLE

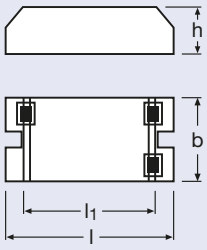


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 9/200-240/350 DIM	4008321**187321**	8.5	180…254 [1]	50-60	I / II	IP20	350 [2]	2…25	Poti	-20…+55	20

- SELV equivalent
- Compact housing
- Dimmable via external potentiometer
- Cable clamp housing for independent mounting
- Suitable for indoor applications

350 mA OPTOTRONIC® control gear



All figures in mm

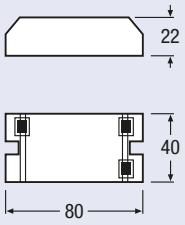
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 9/200-240/350	4050300**888262**	8.5	180…254 [1]	50-60	I / II	IP20	350 [2]	0…25	–	-20…+50	50

- SELV equivalent
- Compact housing
- Suitable for installation in flush-type boxes
- Suitable for indoor applications

1) Permitted voltage range
2) ±5 %

350 mA OPTOTRONIC® control gear

DIMMABLE



All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	I[mA]	V_{OUT}	CONTROL	T_a	
OT 9/10-24/350 DIM	4050300**888897**	8.5	9…32 [1]	0	–	IP20	350 [2]	0…24,5	Poti	-20…+50	50

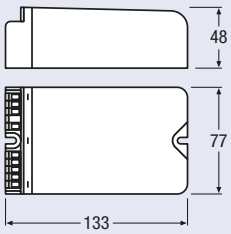
- Compact housing
- Dimmable via external potentiometer
- Suitable for indoor applications

1) Permitted voltage range
2) ±5 %

24 V OPTOTRONIC® control gear, DALI®/3DIM

DIMMABLE

OUTDOOR



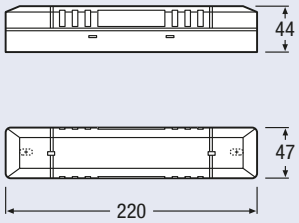
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	CONTROL	T_a	
OT 65/220-240/24 3DIM E	4008321**964403**	65	198…264 [1]	50/60	I / II	IP20 [2]	24	3DIM	-25…+55	20

- 3DIM interface (StepDIM/AstroDIM/DALI®)
- Suitable for luminaires of protection classes I and II
- High surge protection > 3 kV
- Flexible setting options for dimming mode amd level
- Stand-alone dimming function enables operation in existing installations
- Suitable for outdoor applications

24 V OPTOTRONIC® control gear, DALI®

DIMMABLE



All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	CONTROL	T_a	
OTi DALI 75/220-240/24	4008321**371560**	75	198…254 [1]	50/60	I / II	IP20	24	DALI	-20…+50	20

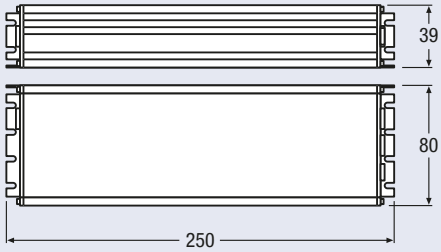
- 4-channel DALI® converter
- Suitable for luminaires of protection classes I and II
- Dimming range: 0 to 100 % luminous flux
- Suitable for independent mounting
- Flexible addressing via DALI®
- Suitable for indoor applications

1) Permitted voltage range
2) Suitable for luminaires of protection class IP54

24 V OPTOTRONIC® control gear, 1...10 V

DIMMABLE

OUTDOOR



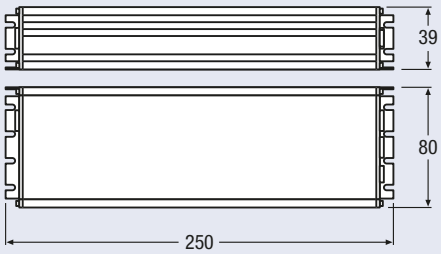
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	CONTROL	T_a	
OT 240/220-240/24 DIM P	4008321**981714**	240	198…264 [1]	50-60	I	IP67	24 [2]	1...10 V	-25…+55	8

- SELV equivalent
- High surge protection up to 3 kV (L-N)/6 kV (L/N-PE)
- Dimmable via isolated 1…10 V interface
- High IP protection (IP67)
- 2 output channels for optional distribution of the output power
- Flexible mounting concept
- Suitable for outdoor applications

24 V OPTOTRONIC® control gear

OUTDOOR



All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 240/220-240/24 P	4008321**981721**	240	198…264 [1]	50-60	I	IP67	24 [2]	-25…+55	8

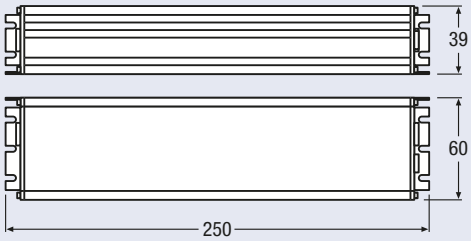
- SELV equivalent
- High surge protection up to 3 kV (L-N)/6 kV (L/N-PE)
- High IP protection (IP67)
- Flexible mounting concept
- 2 output channels for optional distribution of the output power
- Suitable for outdoor applications

1) Permitted voltage range
2) +1.0/-0.5 V

24 V OPTOTRONIC® control gear, 1...10 V

DIMMABLE

OUTDOOR



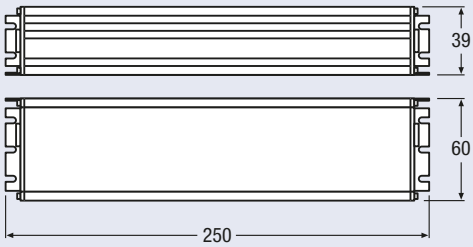
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	CONTROL	T_a	
OT 120/220-240/24 DIM P	4008321**981691**	120	198…264 [1]	50-60	I	IP67	24 [2]	1...10 V	-25…+55	10

- SELV equivalent
- High surge protection up to 3 kV (L-N)/6 kV (L/N-PE)
- Dimmable via isolated 1…10 V interface
- High IP protection (IP67)
- Slim housing and flexible mounting concept
- Suitable for outdoor applications

24 V OPTOTRONIC® control gear

OUTDOOR



All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 120/220-240/24 P	4008321**981707**	120	198…264 [1]	50-60	I	IP67	24 [2]	-25…+55	10

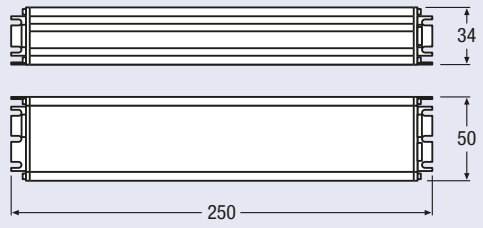
- SELV equivalent
- High surge protection up to 3 kV (L-N)/6 kV (L/N-PE)
- High IP protection (IP67)
- Slim housing and flexible mounting concept
- Suitable for outdoor applications

1) Permitted voltage range
2) +1.0/-0.5 V

24 V OPTOTRONIC® control gear, 1...10 V

DIMMABLE

OUTDOOR



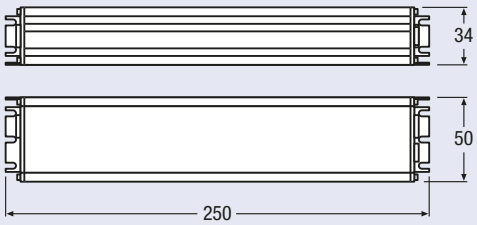
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	CONTROL	T_a	
OT 80/220-240/24 DIM P	4008321**981677**	80	198…264 [1]	50-60	I / II	IP67	24 [2]	1...10 V	-25…+55	10

- SELV equivalent
- High surge protection up to 3 kV (L-N)
- Dimmable via isolated 1…10 V interface
- High IP protection (IP67)
- Slim housing and flexible mounting concept
- Suitable for outdoor applications

24 V OPTOTRONIC® control gear

OUTDOOR



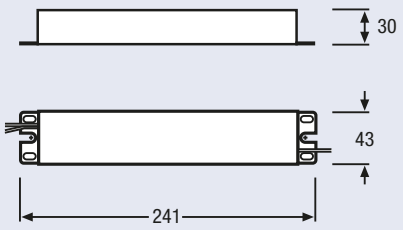
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 80/220-240/24 P	4008321**981684**	80	198…264 [1]	50-60	I / II	IP67	24 [2]	-25…+55	10

- SELV equivalent
- High surge protection up to 3 kV (L-N)
- High IP protection (IP67)
- Slim housing and flexible mounting concept
- Suitable for outdoor applications

1) Permitted voltage range
2) +1.0/-0.5 V

24 V OPTOTRONIC® control gear

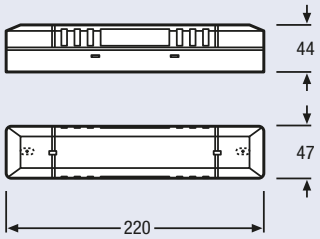


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 75/220-240/24 E	4008321**362476**	75	198…254 [1]	50-60	I	IP64	24 [2]	-25…+60	10

- SELV equivalent
- High IP protection (IP64)
- Intelligent power matching under different operating conditions (Smart Power Supply)
- High surge protection up to 3 kV (L-N)
- Higher output power possible thanks to secondary-side parallel connection (up to 4 ECGs)
- Suitable for outdoor applications and freezer lighting

24 V OPTOTRONIC® control gear



All figures in mm

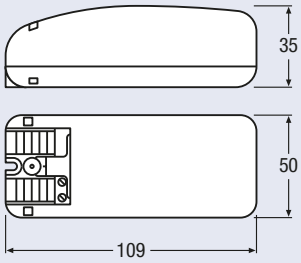
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 75/220-240/24	4050300**817477**	75	198…254 [1]	50-60	I / II	IP20	24 [2]	-20…+50	10

- SELV equivalent
- Integrated cable clamp
- Intelligent power matching under different operating conditions (Smart Power Supply)
- Higher output power possible thanks to secondary-side parallel connection (up to 4 ECGs)
- Suitable for indoor applications

>> New 24 V OPTOTRONIC® control gears to come:
OT 50/220-240/24, OT 50/220-240/24 P

1) Permitted voltage range
2) +1.0/-0.5 V

24 V OPTOTRONIC® control gear

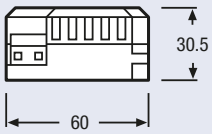


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 20/220-240/24	4050300**618111**	20	198…254 [1]	50-60	I / II	IP20	24 [2]	-20…+50	20

- SELV equivalent
- Cable clamp housing for independent mounting
- Ideal for mounting in very tight spaces
- Suitable for indoor applications

24 V OPTOTRONIC® control gear



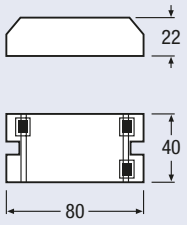
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 20/120-240/24 S	4050300**662626**	20	108…254 [1]	50-60	I / II	IP20	24 [2]	-20…+50	30

- SELV equivalent
- Large input voltage range
- For installation in compact luminaires
- Suitable for indoor applications

1) Permitted voltage range
2) ±1.0 V

24 V OPTOTRONIC® control gear



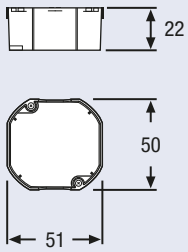
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 8/200-240/24	4008321**040169**	8	180…254 [1]	50-60	I / II	IP20	24 [2]	-20…+50	50

- SELV equivalent
- Suitable for installation in flush-type boxes
- Ideal for mounting in very tight spaces
- Suitable for indoor applications

24 V OPTOTRONIC® control gear

OUTDOOR



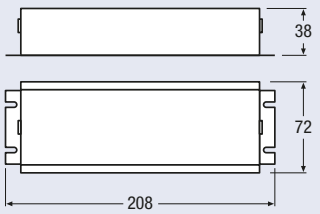
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 6/200-240/24 CE	4008321**113269**	6	180…254 [1]	50-60	I / II	IP65	24 [3]	-20…+50	20

- SELV equivalent
- High IP protection (IP65)
- Suitable for installation in flush-type boxes
- Ideal for mounting in very tight spaces
- Suitable for use indoors and outdoors

1) Permitted voltage range
2) ±1.0 V
3) ±0.8 V

12 V OPTOTRONIC® control gear

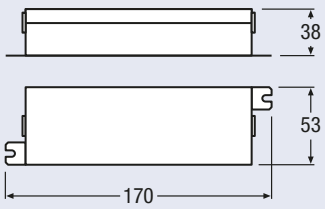


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OTe 120/220-240/12 P	4008321**974464**	120	198…264 [1]	50-60	I	IP65	12.5 [2]	-25…+55	10

- SELV equivalent
- Suitable for luminaires of protection class I
- High IP protection (IP65)
- Overvoltage protection ≥ 2 kV
- Compact housing
- Suitable for outdoor applications

12 V OPTOTRONIC® control gear



All figures in mm

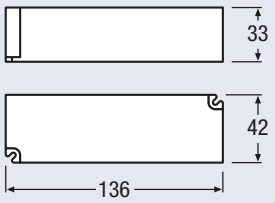
Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OTe 60/220-240/12 P	4008321**974457**	60	198…264 [1]	50-60	I	IP65	12.5 [2]	-25…+55	20

- SELV equivalent
- Suitable for luminaires of protection class I
- High IP protection (IP65)
- Surge protection ≥ 2 kV
- Compact housing
- Suitable for outdoor applications

>> New 12 V OPTOTRONIC® control gears to come:
OT 120/220-240/12 P, OT 60/220-240/12 P

1) Permitted voltage range
2) ±0.5 V

12V OPTOTRONIC® control gear

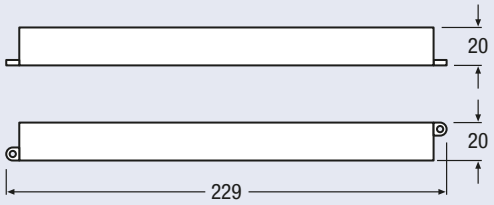


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OTe 30/220-240/12 P	4008321**974440**	30	198…264 [1]	50-60	I / II	IP65	12.5 [2]	-25…+55	40

- SELV equivalent
- Suitable for luminaires of protection class II
- High IP protection (IP65)
- Overvoltage protection ≥ 2 kV
- Compact housing
- Suitable for outdoor applications

12V OPTOTRONIC® control gear



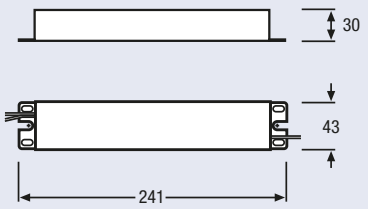
All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OTe 15/220-240/12 P	4008321**974433**	15	198…264 [1]	50-60	I / II	IP65	12.5 [2]	-25…+55	10

- SELV equivalent
- Suitable for luminaires of protection class II
- High IP protection (IP65)
- Ideal for mounting in very tight spaces
- Slim housing
- Suitable for outdoor applications

1) Permitted voltage range
2) ±0.5V

10 V OPTOTRONIC® control gear

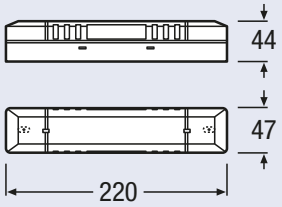


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 50/220-240/10 E	4008321**362452**	50	198…254	50-60	I / II	IP64	10.5	-25…+60	10

- SELV equivalent
- High IP protection (IP65)
- Intelligent power matching in various operation conditions (Smart Power Supply)
- Higher output power achievable by parallel connection of the output (up to 4 ECGs)
- Suitable for outdoor applications

10 V OPTOTRONIC® control gear

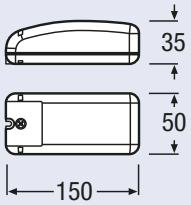


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 50/220-240/10	4050300**817491**	50	198…254	50-60	I / II	IP20	10.5	-20…+50	10

- SELV equivalent
- Integrated cable clamp
- High IP protection (IP65)
- Intelligent power matching in various operation conditions (Smart Power Supply)
- Higher output power achievable by parallel connection of the output (up to 4 ECGs)
- Suitable for indoor applications

10V OPTOTRONIC® control gear

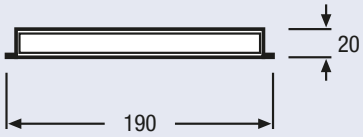


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 15/220-240/10	4008321**391544**	15	198…254	50-60	I / II	IP20	10.5	-20…+50	20

- SELV equivalent
- High IP protection (IP65)
- Intelligent power matching in various operation conditions (Smart Power Supply)
- Cable clamp housing for independent mounting
- Ideal for mounting in very tight spaces
- Suitable for indoor applications

10V OPTOTRONIC® control gear

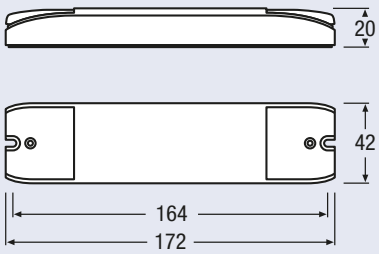


All figures in mm

Product reference	Product number	W	V_{IN}	Hz	protection class	IP	V_{OUT}	T_a	
OT 12/220-240/10 LE	4008321**174253**	12	198…254	50-60	I	IP65	10.5	-20…+50	10

- SELV equivalent
- Higher IP protection
- Slim housing
- Ideal for mounting in very tight spaces
- Suitable for indoor and outdoor applications

OPTOTRONIC® DALI® LED dimmer

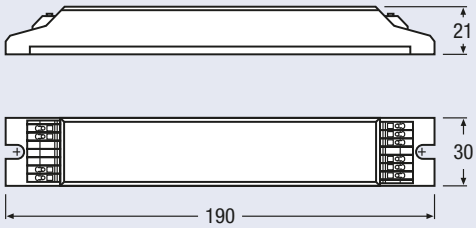


All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OTi DALI DIM	4008321**061195**	10/12/24 V LED modules	50/60/120	10…24	DALI	-20...50	1	1	20

OTi DALI® DIM

- Intelligent electronic constant-voltage 1-channel DALI® dimmer
- Max. output current 5 A
- Housing with strain relief for separate installation
- Integrated TouchDIM® functionality enables dimming and switching via standard switches
- Dimming range 0.1 to 100 %
- Reversible overload, overtemperature and short-circuit protection



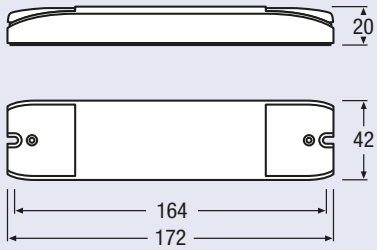
All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OTi DALI DIM LI	4008321**624437**	10/12/24 V LED modules	40/48/96	10…24	DALI	-20...50	1	1	25

OTi DALI® DIM LI

- Intelligent electronic constant-voltage 1-channel DALI® dimmer
- Max. output current 4 A
- Compact housing for luminaire installation
- Integrated TouchDIM® functionality enables dimming and switching via standard switches
- Dimming range 0.1 to 100 %
- Reversible overload, overtemperature and short-circuit protection

OPTOTRONIC® DALI® LED dimmer



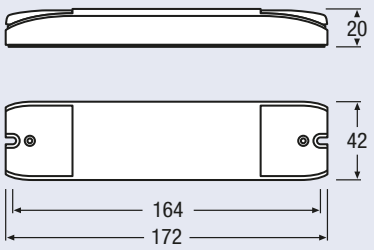
All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	Ta	No. of CONTROL INPUTS	No. of OUTPUTS	
OTi DALI 2x700 CS	4008321**694317**	350/700 mA LED modules	32/66	24…48	DALI	-20...50	1	2	20

OTi DALI® 2x700 CS

- Intelligent electronic constant-current 2-channel DALI® dimmer
- Output power: 32 W @350 mA…66 W @700 mA
- Housing with strain relief for separate installation
- Current of 350 or 700 mA (selectable)
- 1-channel (= one DALI® address) or 2-channel operation (= occupancy of 2 DALI® addresses), selectable
- Integrated TouchDIM® functionality enables dimming and switching via standard switches
- Dimming range 0.1 to 100 %
- Reversible overload, overtemperature and short-circuit protection

OPTOTRONIC® 1...10 V LED dimmer



All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DIM	4050300**943459**	10/12/24 V LED modules	50/60/120	10-24	1 – 10 V	-20…+50	1	1	20
OT RGB DIM	4050300**793108**	10/12/24 V LED modules	3*20/3*24/3*48	10-24	1 – 10 V	-20…+50	3	3	20
OT RGB SEQ	4050300**792460**	10/12/24 V LED modules	3*20/3*24/3*48	10-24	1 – 10 V	-20…+50	3	3	20

OPTOTRONIC® DIM

- Intelligent electronic constant-voltage 1-channel 1…10 V dimmer
- Maximum operating output voltage of 5 A
- Cable clamp housing for independent mounting
- Dimming range 0.1 to 100 %
- The control input is separate in accordance with SELV requirements
- Reversible overload, overtemperature and short-circuit protection

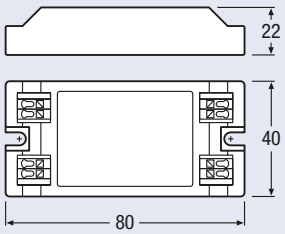
OPTOTRONIC® RGB DIM

- Intelligent electronic constant-voltage 3-channel 1…10 V dimmer
- Maximum operating output voltage of 2 A per channel
- Cable clamp housing for independent mounting
- Dimming range 0.1 to 100 %
- The control input is separate from the output in accordance with SELV requirements
- Reversible overload, overtemperature and short-circuit protection

OPTOTRONIC® RGB Sequencer

- Intelligent electronic constant-voltage 3-channel 1…10 V dimmer
- Maximum operating output voltage of 2 A per channel
- Cable clamp housing for independent mounting
- Dimming range 0.1 to 100 %
- 8 color sequences; brightness and speed are controlled via a 1…10 V input
- The control input is separate from the output in accordance with SELV requirements
- Reversible overload, overtemperature and short-circuit protection

OPTOTRONIC® DMX LED dimmer

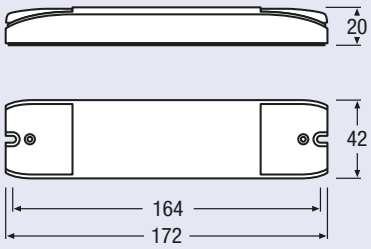


All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 3×1 RGB DIM	4008321**279835**	10/12/24 V LED module	3x10/3x12/3x24	10…24	DMX	-20...50	1	3	10

OT DMX 3×1 RGB DIM

- Intelligent electronic constant-voltage 3-channel DMX dimmer
- Three output channels, can be controlled individually via DMX
- Automatic addressing via DIP switches
- Maximum operating output voltage of 1 A per channel
- Compact housing for luminaire installation
- Control via DMX interface by means of DMX control units such as EASY DMX SO
- Reversible overload, overtemperature and short-circuit protection



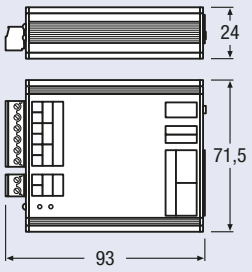
All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX RGB DIM	4008321**160829**	10/12/24 V LED module	3x20/3x24/3x48	10…24	DMX	-20...50	1	3	20

OT DMX RGB DIM

- Intelligent electronic constant-voltage 3-channel DMX dimmer
- Three output channels, can be controlled individually via DMX
- Addressing via rotary switches
- Maximum operating output voltage of 2 A per channel
- Constant-current dimmer with strain relief for separate installation
- Control via DMX interface by means of DMX control units such as EASY DMX SO
- Reversible overload, overtemperature and short-circuit protection

OPTOTRONIC® DMX LED dimmer

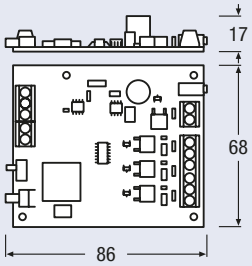


All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	Ta	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 3x2.5 A DIM	4008321**533265**	10/12/24V LED module	3x25/3x30/3x60	10…24	DMX	0...50	1	3	10

OT DMX 3×2.5 A DIM

- Intelligent electronic constant-voltage 3-channel DMX dimmer
- Three output channels, can be controlled individually via DMX
- Automatic or manual addressing
- Maximum operating output voltage of 2.5 A per channel
- Housing for installation
- Control via DMX interface by means of DMX control units such as EASY DMX SO
- Daisy chaining for controlling multiple DMX and/or PWM-controlled LED light sources
- Reversible overload and short-circuit protection



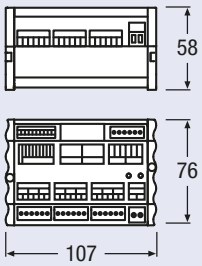
All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	Ta	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 3x2.5 A PCB DIM	4008321**533289**	10/12/24V LED module	3x20/3x24/3x48	10…24	DMX	0...50	1	3	10

OT DMX 3×2.5 A PCB DIM

- Intelligent electronic constant-voltage 3-channel DMX dimmer
- Three output channels, can be controlled individually via DMX
- Automatic or manual addressing
- Maximum operating output voltage of 2.5 A per channel
- Board version
- Control via DMX interface by means of DMX control units such as EASY DMX SO
- Daisy chaining for controlling multiple DMX and/or PWM-controlled LED light sources
- Reversible overload and short-circuit protection

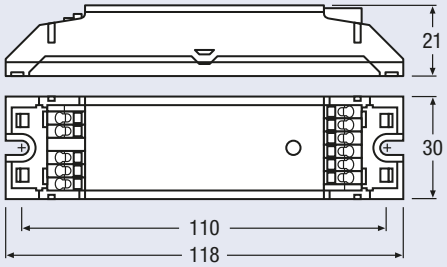
OPTOTRONIC® DMX LED dimmer



All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	Ta	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 9x2 A DIM SO	4008321**533302**	10/12/24 V LED module	140/168/336	10…24	DMX	0...50	1	9	10

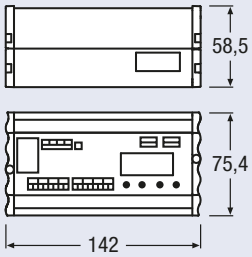
OT DMX 9×2 A DIM SO
- Intelligent electronic constant-voltage 9-channel DMX dimmer
- Nine output channels, can be controlled individually via DMX
- Automatic or manual addressing
- Maximum operating output voltage of 2 A per channel
- Housing for series installation
- Control via DMX interface by means of DMX control units such as EASY DMX SO
- Daisy chaining for series control of multiple DMX devices
- Reversible overload and short-circuit protection



All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	Ta	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 3×350 DIM LI	4008321**602060**	350 mA LED module	3x8	10…24	DMX	-20...50	1	3	20

OT DMX 3×350 DIM LI
- Intelligent electronic constant-current 3-channel DMX dimmer
- Three output channels, can be controlled individually via DMX
- Manual addressing via pushbuttons
- Output current 350 mA
- Housing for luminaire installation and separate mounting
- Control via DMX interface by means of DMX controllers such as EASY DMX SO
- Reversible overload, overtemperature and short-circuit protection

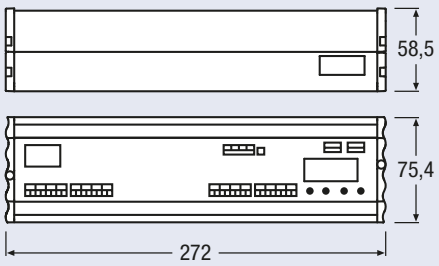


All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 6×350/700 DIM SO	4008321**572684**	350/700 mA LED module	90/180	24…48	DMX	-10...40	1	6	12

OT DMX 6×350/700 DIM SO

- Intelligent electronic constant-current 6-channel DMX dimmer
- Six output channels, can be controlled individually via DMX
- Automatic or manual addressing
- Constant current dimmer, adjustable from 50 mA to 700 mA
- Housing for series installation
- Control via DMX interface by means of DMX controllers such as EASY DMX SO
- Control of multiple DMX and/or PWM-controlled LED light sources
- Daisy chaining for series control of multiple DMX devices
- Automatic amplification of the DMX signal
- Reversible short-circuit protection
- Overtemperature protection



All figures in mm

Product reference	Product number		W SYSTEM	V	CONTROL	T_a	No. of CONTROL INPUTS	No. of OUTPUTS	
OT DMX 12×350/700 DIM SO	4008321**572707**	350/700 mA LED module	180/360	24…48	DMX	-10...40	1	12	12

OT DMX 12×350/700 DIM SO

- Intelligent electronic constant-current 12-channel DMX dimmer
- Twelve output channels, can be controlled individually via DMX
- Automatic or manual addressing
- Constant current dimmer, adjustable from 50 mA to 700 mA
- Housing for series installation
- Control via DMX interface by means of DMX controllers such as EASY DMX SO
- Daisy chaining for series control of multiple DMX devices
- Automatic amplification of the DMX signal
- Reversible short-circuit protection
- Overtemperature protection

Light management systems

Appropriate solutions for various use cases making light intelligent and alive. Light management systems and LED products from OSRAM perfectly complement each other.

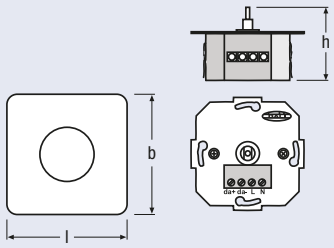
MCU	122
Stand-alone sensors	124
Touch DIM®	135
MULTIeco	141
EASY Color Control	148
DALI® PROFESSIONAL	160
Components & accessories	168

Simple manual dimming solutions: MCU

The rotary dimmers DALI® MCU and DIM MCU allow very functional and convenient manual dimming solutions to be created particularly simply and quickly.

The advantages of the MCU rotary dimmer:
- Can be integrated into many popular switching programs
- Addressing not necessary, simple installation, self-explanatory operation
- Functions: on/off, dimming brighter/darker, setting the minimum basic brightness
- Can be used almost anywhere: Classrooms, conference rooms, offices, control systems for lighting groups and individual luminaires

DIM MCU

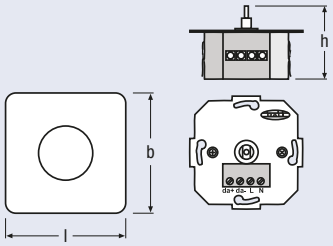


Product reference	Product number	V	CONTROL	T_a	IP	pro-tection class	COLOR	l [mm]	b [mm]	h [mm]	
DIM MCU P	4050300**347424**	230	1 ... 10 V	0…+50	IP20	II	white	80	80	50	100

Product characteristics
- Switching contact load: 250 V/6 A (10 x 1-lamp or 5 x 2-lamp dimmable ECGs)

Technical equipment
- Supplied with cover and rotary switch in white
- Suitable for up to 100 ECGs
- Flexible expansion via external load contact and signal amplifier DIM SA

DALI® MCU



Product reference	Product number	V	Hz	CONTROL	T_a	IP	pro-tection class	COLOR	l [mm]	b [mm]	h [mm]	
DALI MCU	4008321**189721**	230	50 – 60	DALI	0…+50	IP20	II	white	80	80	50	15

Product characteristics
- Up to four DALI® MCUs can be connected in parallel to set up multiple control points
- Automatic synchronization between the control points
- Power draw: max. 2 W
- Length of the DALI® control cable: 300 m

Technical equipment
- Supplied with cover and rotary switch in neutral white
- Suitable for up to 25 ECGs
- Flexible expansion via DALI® repeaters or further DALI® MCUs

For further information and/or detailed product data sheets, please go to:
www.osram.com/lms-dimmcu
www.osram.com/lms-dalimcu

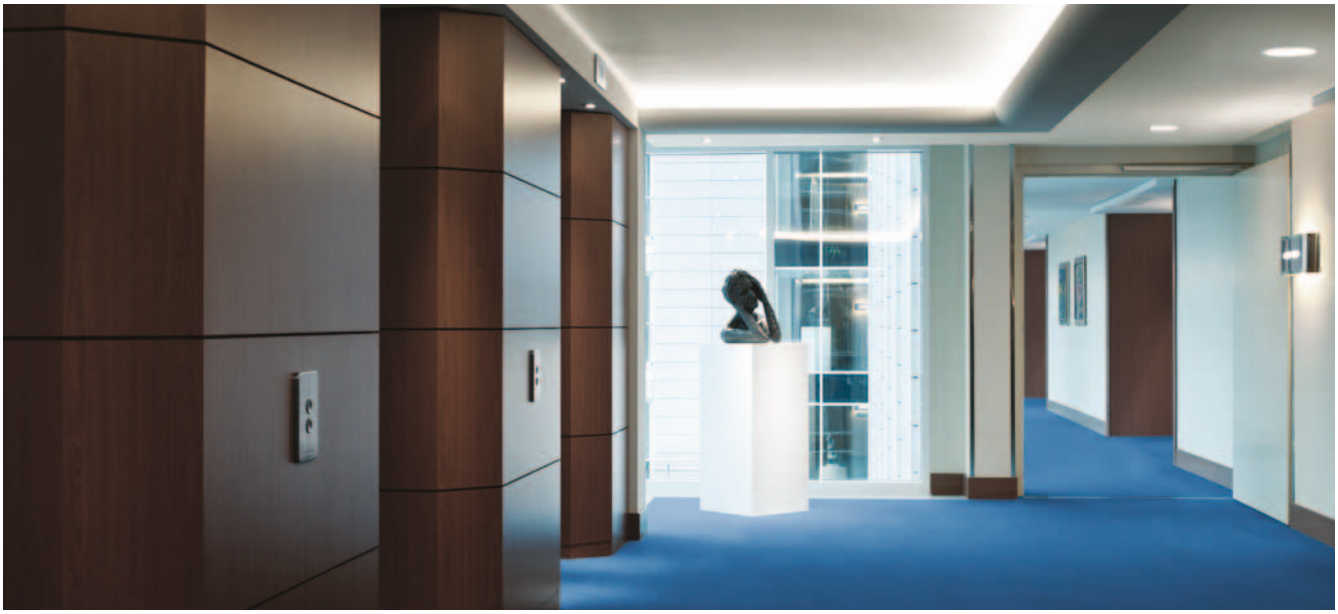
Stand-alone sensors: Getting started with energy-saving lighting control

As a result of the low expenditure involved in installation, stand-alone sensors offer particularly cost-effective energy-saving opportunities and are the optimum solution for new installations and retrofitting.

OSRAM has a large number of innovative sensors for indoor and outdoor applications. They allow energy savings of up to 70 %* and are particularly easy to install or retrofit.

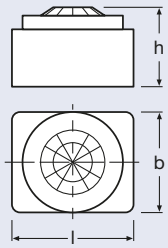
Applications
- Offices: Individual and group workplaces
- Lounges and conference rooms
- Corridors and foyers
- Stairwells
- Retail outlets and showrooms
- Toilets and washrooms
- Factories and warehouses

Products:
- Individual luminaires
- Strip lighting



* in comparison with conventional systems:T8 lamp, conventional control gear, no strip lights

DUO



Product reference	Product number	V	Hz			Lx	h m	IP	l [mm]	b [mm]	h [mm]	
DUO	4008321**496355**	220-240	50 – 60	12 [1]	110 [2]	50…500 [2]	5	IP20	58	71	47	20

Product characteristics
- Combined daylight and presence detection
- Daylight detection only
- All the functions can be selected on the rotary switch
- Adjustable switch-off delay: 1 to 60 min
- Load capacity of switching contact: 5 A ohmic load
- Maximum power draw in standby mode: 0.7 W
- Ideal mounting height: 2.5–3.5 m (maximum: 5 m)

Product benefits
- Up to 45 % energy savings (compared to CCG + T8 lamp, without sensors)
- Multiple sensors can be networked

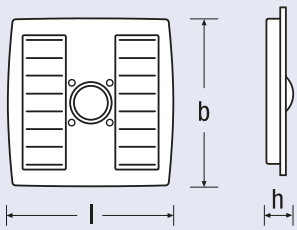
Applications
- Individual offices
- Open-plan offices
- Waiting rooms

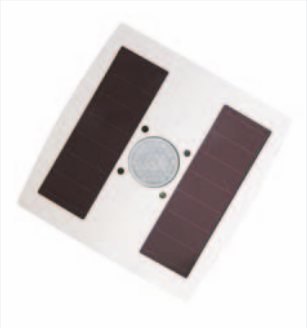
Technical equipment
- Suitable for up to 30 ECGs

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

SOLAR





Product reference	Product number									
SOLAR	4008321**385628**	9 [1]	100 [2]	10...1000 [2]	4	IP50	108	108	26	20

Product characteristics
- Range: up to 30 m (in buildings) or up to 100 m (in the open air)
- Ideal mounting height: 1.5 – 3.5 m (maximum: 4 m)

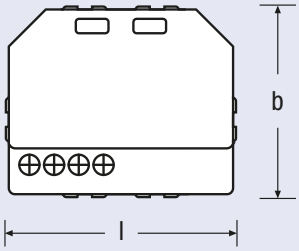
Product benefits
- No cables, no batteries: maintenance-free EnOcean radio technology
- Up to 45 % energy savings (compared to manual switching)

Applications
- Cable-free and flexible installations

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

Switch RC



Product reference	Product number	V	Hz	m	IP	l [mm]	b [mm]	h [mm]	
Switch RC	4008321**385642**	220-240	50	Max. 30 [1]	IP20	45	37	23	20

Product characteristics
- Adjustable switch-off delay: 1 to 20 minutes
- Range: up to 30 m (up to 5 walls) or up to 100 m (no walls)
- Up to 8 sensors and 8 wall-mounted/handheld transmitters can be trained on one Switch RC receiver
- Frequency band: 868.3 MHz

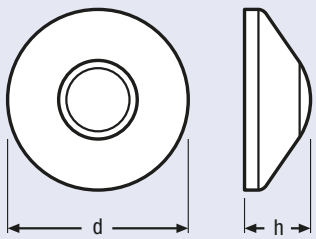
Product benefits
- Choice of five different operating modes

Technical equipment
- Suitable for all OSRAM control elements and sensors with EnOcean radio technology
- Suitable for up to 14 ECGs

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Valid in buildings

VISION



Product reference	Product number	V	Hz			h m	IP	d [mm]	h [mm]	
VISION	4008321**957047**	120-277	50-60	21 [1]	140 [2]	4.5	IP20	116	40	20

Product characteristics
- Adjustable switch-off delay: 30 s to 20 min
- Maximum power draw in standby mode: 0.25 W
- Ideal mounting height: 2.5–4.5 m (maximum: 4.5 m)

Product benefits
- Up to 35 % energy savings (compared to CCG + T8 lamp, without sensors)

Applications
- Large areas
- Open-plan offices, corridors and storage rooms

Technical equipment
- Suitable for up to 15 ECGs
- Installation by means of mounting adapters possible (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

HIGH BAY

Product reference	Product number	V	Hz			h m	IP	d [mm]	h [mm]	
HIGH BAY	4008321**410078**	120-277	50 – 60	18 [1]	100 [2]	13	IP20	116	39	20

Product characteristics
- 3 to 10 m: detection of motion by people
- 3 to 13 m: detection of vehicle movement (e.g. fork lift trucks)
- Adjustable switch-off delay: 30 s to 20 min
- Maximum power draw in standby mode: 0.25 W
- Ideal mounting height: 4–10 m (maximum: 13 m)

Product benefits
- Up to 35 % energy savings (compared to CCG + T8 lamp, without sensors)

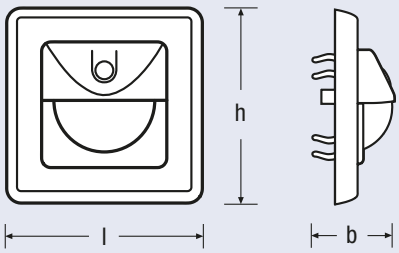
Applications
- Tall ceilings
- Sports halls and factories

Technical equipment
- Suitable for up to 15 ECGs
- Installation by means of mounting adapters possible (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

WALL Switch



Product reference	Product number	V	Hz			Lx	h m	IP	l [mm]	b [mm]	h [mm]	
WALL Switch	4008321**467386**	220-240	50 – 60	8 [1]	180 [2]	20…1000 [2]	2	IP20	82	82	26	20

Product characteristics
- Stairwell function
- Timer function
- Continuous light function
- Adjustable switch-off delay: stepless up to 30 min
- Ideal mounting height: 0.8 to 1.2 m (maximum: 2 m)

Product benefits
- Up to 45 % energy savings (compared to CCG + T8 lamp, without sensors)
- Multiple sensors can be networked

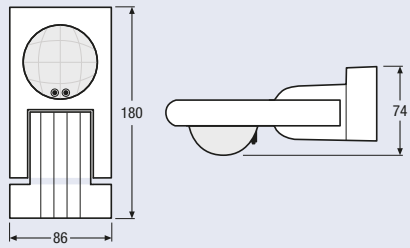
Applications
- Touch-free switching (e.g. in stairwells)

Technical equipment
- Suitable for up to 14 ECGs

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

OUTDOOR



All figures in mm

Product reference	Product number	V	Hz			Lx	h m	IP	l [mm]	b [mm]	h [mm]	
OUTDOOR	4008321**957061**	220-240	50 – 60	16 [1]	120 [2]	>1 [2]	4	IP55	180	86	74	20

Product characteristics
- Combined daylight and motion detection
- Motion detection only
- Adjustable switch-off delay: 5 s to 30 min
- Ideal mounting height: 2.5–3.5 m (maximum: 4 m)

Product benefits
- Up to 45 % energy savings (compared to CCG + T8 lamp, without sensors)
- Manual control with optional switch or pushbutton

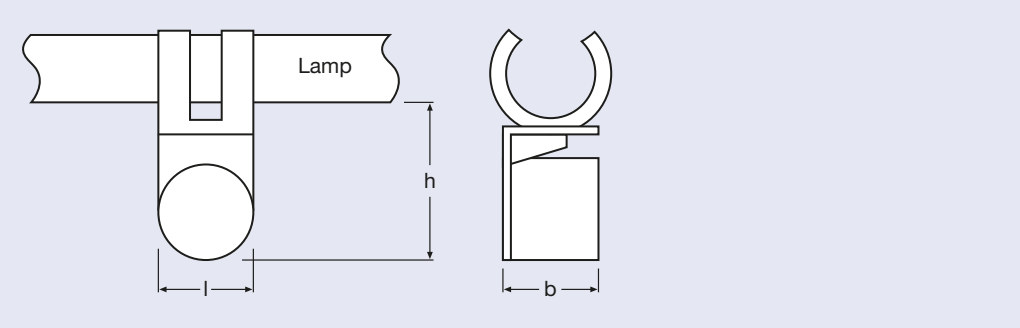
Applications
- Outdoor applications

Technical equipment
- Suitable for up to 14 ECGs

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

DIM PICO



Product reference	Product number	CONTROL		h m	IP	l [mm]	b [mm]	h [mm]	
DIM PICO	4050300**554457**	1 – 10 V	50 [1]	5	IP20	21	21	31	20

Product characteristics
- Simple clip-on fitting for T8 and T5 lamps
- Load capacity of the control output: 6 mA max.
- Cable length: 700 mm
- Ideal mounting height: 2.5–3.5 m (maximum: 5 m)
- Daylight regulation depending on reflection factor of flooring

Product benefits
- Up to 30 % energy savings (compared to CCG + T8 lamp, without sensors)
- Compensates for 50 % of the incoming daylight
- Direct connection to the 1–10 V interface
- Simple setting of the setpoint by means of a potentiometer

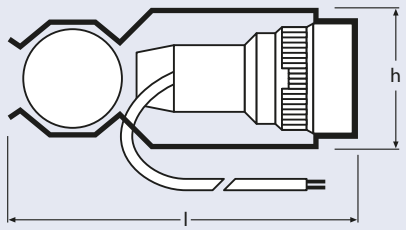
Applications
- Individual fixtures

Technical equipment
- Suitable for up to 10 ECGs

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Approx.

DIM MICO



Product reference	Product number	CONTROL		Lx	h m	IP	l [mm]	b [mm]	h [mm]	
DIM MICO	4008321**586056**	1 – 10 V	80 [1]	20…800 [1]	8	IP20	95	40	35	20

Product characteristics
- Simple clip-on fitting for T8 and T5 lamps
- Cable length: 700 mm
- Ideal mounting height: 2.5–5 m (maximum: 8 m)
- Daylight regulation depending on reflection factor of flooring

Product benefits
- Up to 40 % energy savings (compared to CCG + T8 lamp, without sensors)
- Compensates for 100 % of the incoming daylight
- Direct connection to the 1–10 V-interface
- Simple setting of the setpoint by means of a potentiometer

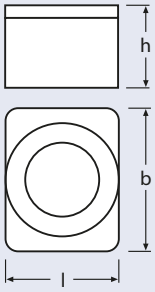
Applications
- Strip lighting in individual and open-plan offices

Technical equipment
- Suitable for up to 100 ECGs
- Suitable for up to 16 signal amplifiers

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Approx.

DIM MULTI



Product reference	Product number	V	CONTROL			Lx	h m	IP	l [mm]	b [mm]	h [mm]	
DIM MULTI	4050300**554471**	220–240	1 – 10 V	9 [1]	100 [2]	20…800 [2]	5	IP20	58	71	42	20

Product characteristics
- Combined daylight and presence detection
- Daylight detection only
- Functions can be selected on the rotary switch
- Adjustable switch-off delay: 1 to 30 min
- Load capacity of switching contact: 5 A ohmic load
- Ideal mounting height: 2.5–3.5 m (maximum: 5 m)

Product benefits
- Up to 70 % energy savings (compared to CCG + T8 lamp, without sensors)
- Daylight-dependent control with automatic shutdown in adequate daylight
- Compensates for 100 % of the incoming daylight
- Multiple sensors can be networked

Applications
- Individual offices
- Open-plan offices
- Waiting rooms

Technical equipment
- Suitable for up to 30 ECGs

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-sensors

1) Max. diameter (m)
2) Approx.

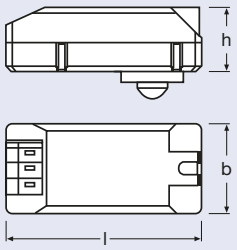
Simple dimming without control device and dimmer: Touch DIM®

In order to realize simple light control systems with DALI® ECGs cost-effectively, OSRAM has made an innovation. The DALI® ECG range therefore has an additional function: Touch DIM®.

Dimming at mains voltage
Using the Touch DIM®, it is possible to dim and switch these ballasts directly at the DALI® control terminals. A control device is no longer needed because the ECG also acts as the control device.

The advantages of Touch DIM®
- Conventional sensors can be used
- Radio-controlled version for flexible retrofitting solutions
- The switch-on value can be saved in the ECG by double-clicking
- Suitable for fluorescent lamps, low-voltage halogen lamps and LED modules
- Application variants: Touch DIM®, Touch DIM® radio, Touch DIM® sensor

Touch DIM® LS/PD LI



Product reference	Product number	CONTROL		Lx	h m	IP	l [mm]	b [mm]	h [mm]	
Touch DIM LS/PD LI	4008321**023025**	Touch DIM	80 [1]	10…1000 [1]	4	IP20	63	29	21	25

Product characteristics
- Suitable for daylight-dependent control with presence function
- Can also be operated purely as a presence sensor
- Maximum signal line length: 10 m
- Maximum power draw: 0.5 W
- Delay time: 15 min
- Ideal mounting height: 1.5 – 3.5 m (maximum: 4 m)

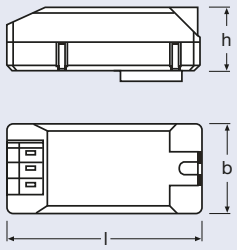
Product benefits
- A setpoint for daylight-dependent control can be stored by double clicking
- Operated via standard switches

Technical equipment
- Suitable for up to four QTi DALI® ECGs or four HTi transformers or four OTi DALI® LED dimmers

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-touchdim

1) Approx.

Touch DIM® LS LI



Product reference	Product number	CONTROL		Lx	h m	IP	l [mm]	b [mm]	h [mm]	
Touch DIM LS LI	4008321**023087**	Touch DIM	60 [1]	10…1000 [1]	5	IP20	63	29	21	25

Product characteristics
- Suitable for daylight-dependent control
- Maximum signal line length: 10 m
- Maximum power draw: 0.5 W
- Ideal mounting height: 1.5 – 3.5 m (maximum: 5 m)
- Daylight regulation depending on reflection factor of flooring

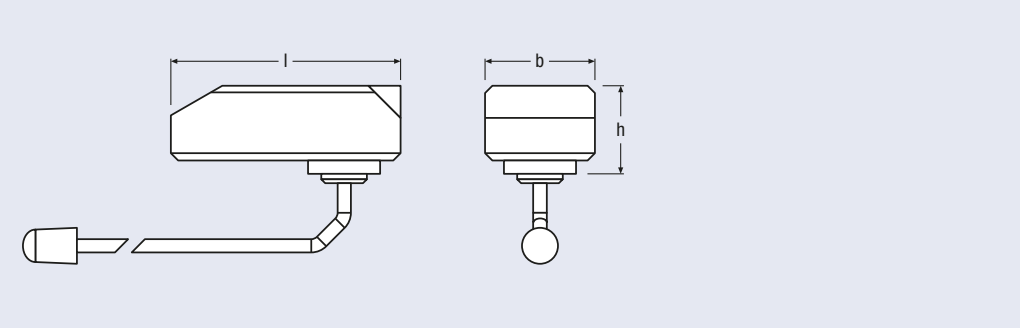
Product benefits
- A setpoint for daylight-dependent control can be stored by double clicking
- Operated via standard switches

Technical equipment
- Suitable for up to four QTi DALI® ECGs or four HTi transformers or four OTi DALI® LED dimmers

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-touchdim

1) Approx.

Touch DIM® PD LI 2P WOS



Product reference	Product number		h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
Touch DIM PD LI	4008321**532947**	20…90	1,5…12 [1]	IP20	anthracite	63	29	21	25

Product characteristics
- Up to 4 ECGs can be connected
- Maximum mounting height: 1.5–12 m depending on lens type
- Lens type 5 m: ideal: 2.5–3.5 m; maximum: 5 m; detection angle: 80°
- Lens type 12 m: ideal: 5–10 m; maximum: 12 m; detection angle: 90°
- Lens type spot: ideal: 2.5–3.5 m; maximum: 5 m; detection angle: 20°
- Lens type small movements: ideal: 1.5 – 3.5 m; maximum: 5 m; detection angle: 90°

Product benefits
- Standby consumption < 0.5 W

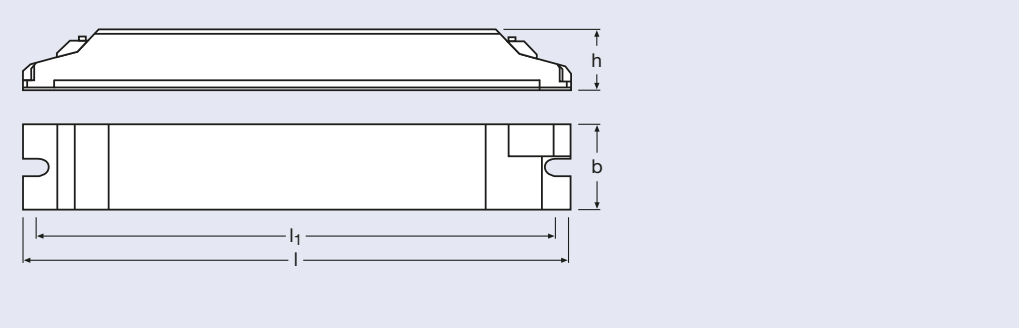
Applications
- Suitable for luminaire installation

Technical equipment
- Available with four different lens options (5 m; 12 m; spot; small movements)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-touchdim

1) Approx.

Touch DIM® RC



Product reference	Product number	V	Hz	CONTROL	Ta	IP	l [mm]	b [mm]	h [mm]	
Touch DIM RC	4008321**031938**	220-240	50 – 60	Touch DIM	0…+50	IP20	189	30	21	25

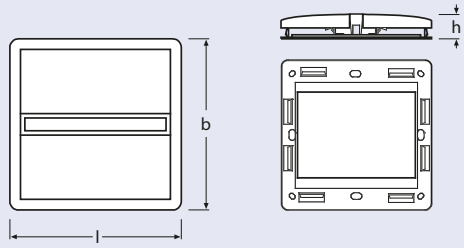
Product characteristics
- Radio receiver for battery-less EnOcean radio switches for two lighting groups
- Maximum power draw: 1.5 W
- Frequency band: 868.3 MHz
- Two floating semiconductor relay outputs: 45 mA/240 V max.
- Up to 30 wall transmitters can be trained

Product benefits
- Dimming without a control line by means of maintenance-free EnOcean radio technology

Technical equipment
- Suitable for up to 2 x 15 QTi DALI® ECGs, OTi DALI® ECGs or HTi transformers per output
- LMS CI BOX for independant mounting (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-touchdim

Touch DIM® WCU

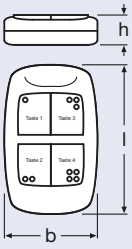


Product reference	Product number	CONTROL	m	IP	COLOR	l [mm]	b [mm]	h [mm]	
Touch DIM WCU	4008321**032737**	Touch DIM	Max. 30 [1]	IP20	white	80	80	20	20

Product characteristics
- Battery-less radio switch for up to two lighting groups
- Frequency band: 868.3 MHz
- Output power: 10 mW

Product benefits
- Dimming without a control line by means of maintenance-free EnOcean radio technology
- Battery-less operation thanks to inductive power generation

Touch DIM® RMC



Product reference	Product number	CONTROL	m	IP	COLOR	l [mm]	b [mm]	h [mm]	
Touch DIM RMC	4008321**183033**	Touch DIM	Max. 50 [1]	IP20	black	82	49	20	10

Product characteristics
- Battery-less radio remote control for up to four lighting groups
- Frequency band: 868.3 MHz
- Output power: 10 mW

Product benefits
- Dimming without a control line by means of maintenance-free EnOcean radio technology
- Battery-less operation thanks to inductive power generation

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-touchdim

1) Valid in buildings

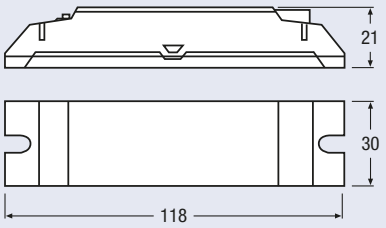
Intelligent system for individual and group workplaces: MULTIeco

The compact modular light management system MULTIeco enables versatile daylight and presence-dependent lighting control with minimum standby power consumption.

The right solution lamp for every need
MULTIeco is extremely versatile. The control device is available in a DALI® version, a 1…10-V version and as a switched version. There are six different light and presence sensors for fitting in luminaires and for ceiling mounting. Applications include, for example, offices, toilets and common rooms.

The benefits of MULTIeco
- Standby consumption < 0.5 W
- Luminaire integration or separate mounting with ECO CI KIT
- Control of up to 20 ECGs
- Extremely compact dimensions
- Meets the Swiss MINERGIE® guidelines and the EU Ecodesign specifications planned for 2012

MULTIeco



All figures in mm

Product reference	Product number	V	Hz	T_a	IP	l [mm]	b [mm]	h [mm]	
MULTIeco	4008321**405302**	100-240	50 – 60	0…+50	IP20	118	30	21	25
MULTIeco	4008321**659286**	100-240	50 – 60	0…+50	IP20	118	30	21	50

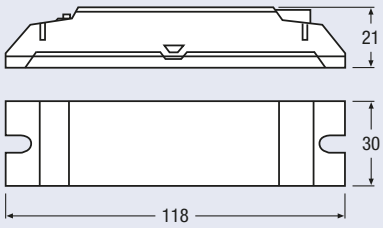
Product characteristics
- Suitable for daylight-dependent switching with presence function
- Maximum power draw in standby mode: 0.5 W
- Integrated load contact
- Eight different operating modes via DIP switches for daylight or presence-dependent lighting control
- Up to four controllers can be synchronized for a central presence function

Product benefits
- Complies with MINERGIE® and EU Ecodesign requirements planned for 2012
- Up to 45 % energy savings (compared to CCG + T8 lamp, without sensors)
- Also available in industrial packs (50 units)

Technical equipment
- Suitable for up to two sensors (compatible with all MULTI 3 sensors, see p. 145 ff.)
- Suitable for up to 20 ECGs
- An external power relay is required if the contact load capacity is exceeded
- Separate installation possible with ECO CI KIT (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

DALI® MULTIeco



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI MULTIeco	4008321**371300**	100-240	50–60	DALI	0…+50	IP20	II	118	30	21	25
DALI MULTIeco	4008321**659262**	100-240	50–60	DALI	0…+50	IP20	II	118	30	21	50

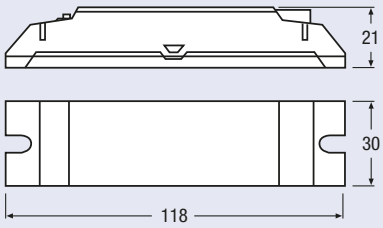
Product characteristics
- Suitable for daylight-dependent control with presence function
- Maximum power draw in standby mode: 0.5 W
- Integrated load contact
- 14 operating modes via DIP switches for daylight or presence-dependent lighting control
- Up to four controllers can be synchronized for a central presence function
- Manual dimming and setpoint setting via standard switches

Product benefits
- Complies with MINERGIE® and EU Ecodesign requirements planned for 2012
- Up to 75 % energy savings (compared to CCG + T8 lamp, without sensors)
- Also available in industrial packs (50 units)

Technical equipment
- Suitable for up to two sensors (compatible with all MULTI 3 sensors, see p. 145 ff.)
- Suitable for up to 10 ECGs with DALI® interfaces
- Separate installation possible with ECO CI KIT (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

DIM MULTIeco



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	l [mm]	b [mm]	h [mm]	
DIM MULTIeco	4008321**507273**	100-240	50 – 60	1 ... 10 V	0…+50	IP20	118	30	21	25
DIM MULTIeco	4008321**659279**	100-240	50 – 60	1 ... 10 V	0…+50	IP20	118	30	21	50

Product characteristics

- Suitable for daylight-dependent control with presence function
- Maximum power draw in standby mode: 0.5 W
- Integrated load contact
- 14 operating modes via DIP switches for daylight or presence-dependent lighting control
- Up to three controllers can be synchronized for a central presence function
- Manual dimming and setpoint setting via standard switches

Product benefits

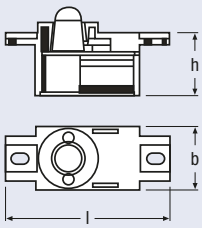
- Complies with MINERGIE® and EU Ecodesign requirements planned for 2012
- Up to 75 % energy savings (compared to CCG + T8 lamp, without sensors)
- Also available in industrial packs (50 units)

Technical equipment

- Suitable for up to two sensors (compatible with all MULTI 3 sensors, see p. 145 ff.)
- Suitable for up to ten ECGs with 1-10 V interfaces
- Separate installation possible with ECO CI KIT (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

LS/PD MULTI 3

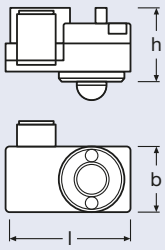


Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3	4050300**802138**	80 [1]	20…600 [1]	4	IP20	anthracite	55	21	25	25

Product characteristics
- Connection via modular 4p4c connector
- Connecting cable: 2.1 m (detachable)
- Ideal mounting height: 1.5–3.5 m (maximum: 4 m)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

LS/PD MULTI 3 A



Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3 A	4008321**653581**	80	20 … 600 [1]	4	IP20	anthracite	38	20	22	25
LS/PD MULTI 3 A	4008321**659385**	80	20 … 600 [1]	4	IP20	anthracite	38	20	22	50
LS/PD MULTI 3 A-w	4008321**653604**	80	20 … 600 [1]	4	IP20	white	38	20	22	25
LS/PD MULTI 3 A-w	4008321**659392**	80	20 … 600 [1]	4	IP20	white	38	20	22	50

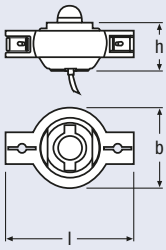
Product characteristics
- Retrofit sensor with clip
- Connection via modular 4p4c connector
- Connecting cable: 2.1m (detachable)
- Ideal mounting height: 1.5 – 3.5 m (maximum: 4 m)

Product benefits
- Also available in industrial packs (50 units)

Technical equipment
- White version with high-temperature cable and clip
- Anthracite version with standard cable, no clip

1) Approx.

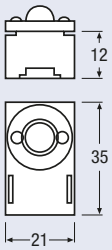
LS/PD MULTI 3 B



Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3 B	4050300**803081**	80	20…600 [1]	4	IP20	anthracite	48	30	25	25
LS/PD MULTI 3 B-w	4008321**988638**	80	20…600 [1]	4	IP20	white	48	30	25	25

Product characteristics
- Swivel sensor head
- Connection via modular 4p4c connector
- Connecting cable: 2.1 m (permanently connected)
- Color versions white/anthracite
- Ideal mounting height: 1.5 – 3.5 m (maximum: 4 m)

LS/PD MULTI 3 FL



All figures in mm

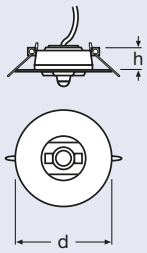
Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3 FL	4008321**047342**	80	20…600 [1]	4	IP20	anthracite	35	21	12	25

Product characteristics
- Low-profile casing design
- Connection via modular 4p4c connector
- Connecting cable: 2.1 m (permanently connected)
- Ideal mounting height: 1.5 – 3.5 m (maximum: 4 m)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

1) Approx.

LS/PD MULTI 3 CI



Product reference	Product number		Lx	h m	IP	d [mm]	COLOR	h [mm]	
LS/PD MULTI 3 CI	4008321**916648**	80	20…600 [1]	4	IP20	50	white	25	10

Product characteristics

- Ceiling installation sensor with swivel sensor head
- Connection via four-pole screw terminal or modular 4c4p connector
- Surface mounting with SENSOR KIT (see chapter “Components & Accessories”, p. 168 ff.)
- Ideal mounting height: 1.5–3.5 m (maximum: 4 m)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

1) Approx.

Light to suit your mood: EASY Color Control

EASY Color Control – lighting control for static and dynamic RGB and white lighting

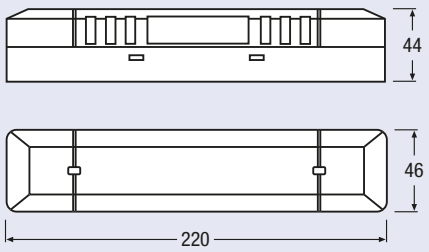
The EASY Color Control system is the first choice to create professional lighting concepts without being an expert. Lighting design creation becomes child play for small applications as well as for general lighting and accent lighting. Simultaneous control of new light sources (LED, OLED) and traditional dimming/switching light sources is possible. The EASY Color Control light management system enables both static and dynamic lighting concepts to be implemented.

A single control unit can control multiple output channels separately. An integrated sequencer with four individual sequences is available, and also 16 freely definable static lighting scenes. The system can be easily extended to up to 64 control units/256 channels with the aid of a plug system protected against polarity reversal. Most of the control units are available in two versions, for luminaire integration and ceiling installation.

Applications:
- Shops and retail outlets
- Restaurants, bars
- Hospitals and retirement homes
- Hotels and restaurants
- Conference rooms
- Sports and wellness centers
- Façade lighting

Main functions:
- Saving and calling up static scenes
- Control of white, colored and dynamic light sources
- Light group control systems (up to 256 in number)
- Switching and dimming of several luminaire groups
- Dynamic scene reproduction by adjustable fade-in time
- Daylight simulation in rooms with no windows
- Control systems for louvered blinds

OT EASY 60 II



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
OT EASY 60 II	4008321**187796**	220-240	50–60	EASY	-20…+50	IP20	II	220	46	44	20

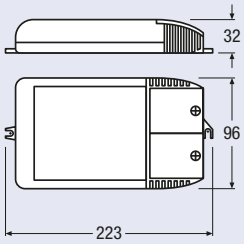
Product characteristics
- Integrated power supply for direct connection of 24 V LED modules (up to 60 W)
- Maximum LED output: 60 W
- 4 PWM outputs
- Casing with strain relief for separate installation
- Up to 64 controllers can be synchronized

Product benefits
- RGB(W) sequence control for up to four different sequences
- Up to 16 different lighting scenes with configurable cross-fade times per sequence
- Up to 16 static lighting scenes can be stored and recalled
- Out of the box preconfigured

Applications
- Color effect light
- Brand light

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

OT EASY 32 CC



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	pro-tection class	l [mm]	b [mm]	h [mm]	
OT EASY 32	4008321**547088**	120-240	50 – 60	EASY	-20…+50	IP20	II	223	96	32	20

Product characteristics

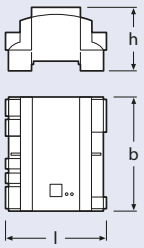
- Integrated power supply for direct connection of constant-current LEDs (350 mA)
- Maximum LED output: 32 W
- Four PWM outputs
- Casing with strain relief for separate installation
- Up to 64 controllers can be synchronized

Product benefits

- RGB(W) sequence control for up to four different sequences
- Up to 16 different lighting scenes with configurable cross-fade times per sequence
- Up to 16 static lighting scenes can be stored and recalled

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

EASY DMX SO



Product reference	Product number	V	Hz	CONTROL	T_a	DMX	IP	protection class	l [mm]	b [mm]	h [mm]	
EASY DMX 16x4 SO	4008321**441539**	110…240	50–60	DMX I EASY	0…+50	64 [1]	IP20	I/II	96	108	61	6
EASY DMX 32x4 SO	4008321**441553**	110…240	50–60	DMX I EASY	0…+50	128 [1]	IP20	I/II	96	108	61	6
EASY DMX 64x4 SO	4008321**441577**	110…240	50–60	DMX I EASY	0…+50	256 [1]	IP20	I/II	96	108	61	6

Product characteristics
- Suitable for simple control of fixtures and devices via DMX addresses
- Available for controlling up to 16, 32 or 64 individual light points or lighting groups
- Up to 64 lighting scenes and four sequences can be programmed

Product benefits
- Dimming, on/off via conventional momentary-action switches
- Test procedures for rapid, error-free installation without software
- Out of the box preconfigured

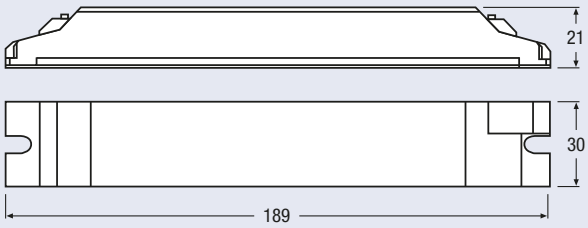
Technical equipment
- Configuration via EASY Color Control software
- DALI® plug-&-play expansion via DALI® EASY SO

Applications
- Color effect light
- Accent lighting

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

1) Up to

DALI® EASY III



All figures in mm

Product reference	Product number	V	Hz	CONTROL	No. of OUTPUTS	T_a	IP	l [mm]	b [mm]	h [mm]	
DALI EASY III	4008321**053046**	100-240	50–60	DALI I EASY	4	0…+50	IP20	189	30	21	25

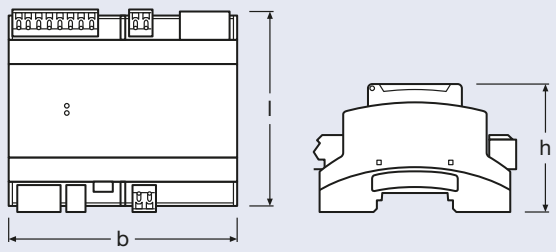
Product characteristics
- Lighting control unit with four DALI® broadcast outputs
- Up to 64 controllers can be synchronized

Product benefits
- Integrated sequence control for up to four different sequences
- 16 different lighting scenes with configurable cross-fade times per sequence
- Up to 16 static lighting scenes can be stored and recalled

Technical equipment
- Suitable for up to 32 ECGs with DALI® dimming interfaces
- Separate installation possible with LMS CI BOX (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

DALI® EASY SO



Product reference	Product number	V	Hz	CONTROL	T_a	IP	l [mm]	b [mm]	h [mm]		
DALI EASY SO	4008321**691040**	110-240	50 – 60	DALI I EASY	0…+50	IP20	96	108	62	6	NEW

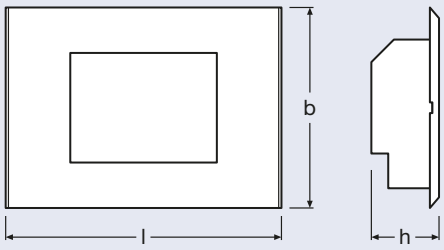
Product characteristics
- Control of lighting scenes and sequences (recall/store)
- Manual, event and time-dependent lighting control
- Four independent DALI® lines
- A maximum of 32 ECGs
- One output relay (3 A)
- Two inputs for floating contacts (on/off/dimming and time switch)
- Can be expanded to 64 devices
- Integrated load contact for ECG standby shutdown

Product benefits
- Basic setup without software
- Lighting schedule with external time switch
- Automatic scene recall
- Automatic sequence recall
- PHM: Instant lamp starting from standby
- Control of switchable and dimmable lighting

Applications
- Shops
- Restaurants, bars

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

EASY Touch Panel



Product reference	Product number	V	Hz	CONTROL	IP	l [mm]	b [mm]	h [mm]	
EASY Touch Panel	4008321**956989**	100…240	50 – 60	EASY I DALI	IP20	220	160	55	1

Product characteristics
- 5.7" display, 640x480 pixels, 16.8 million colors
- Operation of up to 64 lighting scenes and four sequences
- Operation of four switchable loads or two louver blinds via integrated relay contacts
- Four integrated DALI® broadcast channels for up to 32 ECGs, can be expanded to 16 channels
- Optional commissioning without software

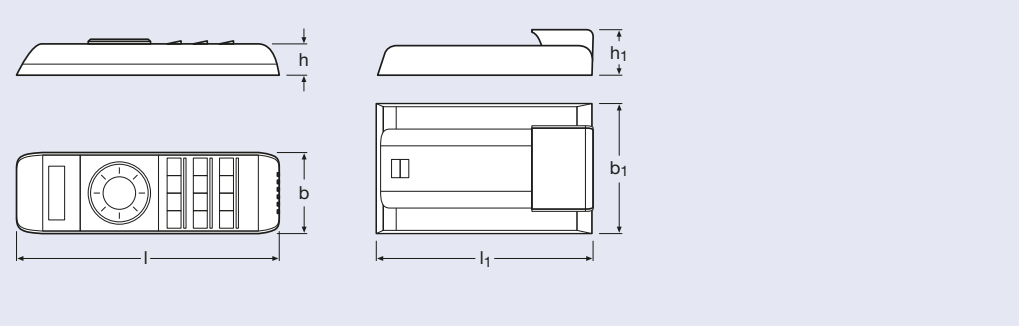
Product benefits
- All in one: user interface + light controler

Applications
- Meeting rooms
- Restaurants, bars
- Shops

Technical equipment
- Suitable for up to 32 ECGs with DALI® dimming interfaces
- Flexible expansion via DALI® repeaters or EASY control
- Flush-type boxes available for installation in hollow or concrete walls (see chapter “Components & Accessories”, p. 168 ff.)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

EASY Hybrid Remote



Product reference	Product number	CONTROL	m	IP	COLOR	pro-tection class	l [mm]	b [mm]	h [mm]	
EASY Hybrid Remote	4008321**421739**	EASY	30 [1]	IP20	black	III	187	57	23	5

Product characteristics

- User-friendly radio and infrared remote control
- Hybrid technology for digital infrared and 868.3 MHz radio remote control
- Operation of up to eight lighting scenes, eight lighting groups and four sequences
- LCD with adjustable backlighting

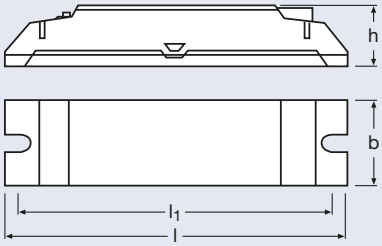
Product benefits

- Docking station for wall mounting included

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

1) Valid in buildings

EASY RC

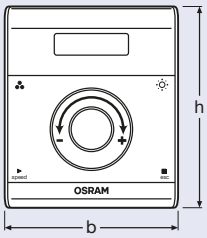


Product reference	Product number	CONTROL	m	IP	l [mm]	b [mm]	h [mm]	
EASY RC	4008321**421753**	EASY	Max. 30	IP20	118	30	21	18

Product characteristics
- 868.3 MHz radio receiver
- Connection via modular 4p4c connector

Technical equipment
- Suitable for up to 8 x EASY Hybrid Remote or 8 x EASY Color Drive
- Separate installation possible with ECO CI KIT (see chapter “Components & Accessories”, p. 168 ff.)

EASY Color Drive



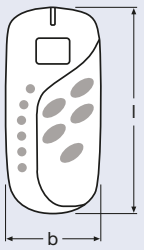
Product reference	Product number	V	CONTROL	m	IP	COLOR	l [mm]	b [mm]	h [mm]	
EASY Color Drive	4008321**421777**	10-24	EASY	Max. 30 [1]	IP20	black	103	88	24	5

Product characteristics
- Wall control element for convenient operation of the EASY controllers
- Connection via a 4-wire signal cable or wirelessly via an 868.3 MHz transmitter
- Operation of up to eight lighting scenes, eight lighting groups and four sequences
- LCD with adjustable backlighting

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

1) Valid in buildings

EASY RMC

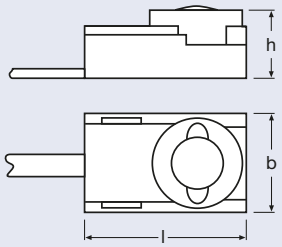


Product reference	Product number	m	IP	COLOR	l [mm]	b [mm]	h [mm]	
DALI EASY RMC	4008321**053152**	approx. 10...15 [1]	IP20	silver	120	57	26	25

Product characteristics
- Infrared remote control for configuring and operating the EASY controllers
- Control of the sequencing speed, central dimming, four channels and four scenes

Technical equipment
- Docking station for wall mounting included

EASY IR



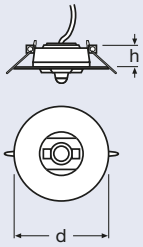
Product reference	Product number	CONTROL	IP	COLOR	l [mm]	b [mm]	h [mm]	
EASY IR	4008321**053138**	EASY	IP20	white	35	21	12	25

Product characteristics
- Infrared receiver for luminaire installation for connection to the EASY controllers
- Connecting cable length: 2.1 m (permanently connected)
- Connection via modular 4p4c connector

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

1) Valid in buildings

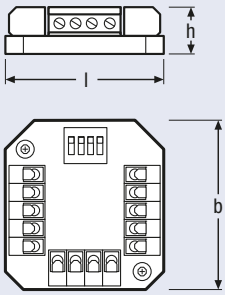
EASY IR CI



Product reference	Product number	CONTROL	IP	COLOR	d [mm]	h [mm]	
EASY IR CI	4008321**915573**	EASY	IP20	white	50	21	10

Product characteristics
- Infrared receiver for ceiling or wall mounting for connection to the EASY controllers
- Connection via modular 4p4c connector

EASY PB Coupler



Product reference	Product number	CONTROL	IP	l [mm]	b [mm]	h [mm]	
EASY PB Coupler	4008321**915597**	EASY	IP20	47	44	13	25

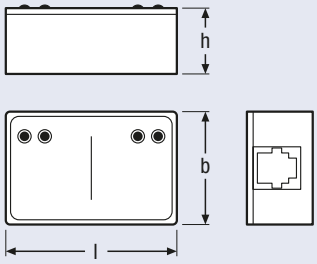
Product characteristics
- Pushbutton coupler for connection to EASY controllers
- Eight inputs for floating make contacts
- Group and scene control, central switching and dimming, starting and stopping of sequences
- Up to two EASY pushbutton couplers can be connected to the complete system

Applications
- Installation in flush-type boxes

Technical equipment
- Connection via Y-connector (included)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

EASY SYS CP



Product reference	Product number	CONTROL	IP	l [mm]	b [mm]	h [mm]	
EASY SYS CP	4008321**320902**	EASY	IP20	45	30	18	25

Product characteristics
- Coupler element for connecting up to four EASY systems

Product benefits
- Enables the EASY cable length to be extended

EASY PC KIT

Product reference	Product number	CONTROL	l [mm]	b [mm]	h [mm]	
EASY PC KIT	4008321**915559**	EASY I USB	56	31	24	10

Product characteristics
- Preview function for all static and dynamic settings
- System requirements: Windows XP or higher (Pentium II, 256 MB RAM), USB port

Product benefits
- Simple creation of scenes and sequences
- Loading, storage and duplication of system settings
- Software in five languages (D, E, FR, IT, SP)

Technical equipment
- With USB adapter cable and detailed user manual

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-easy

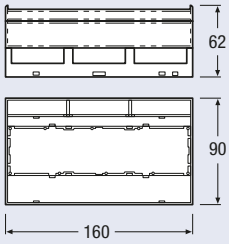
Flexible light control for large rooms and multi-room solutions: DALI® PROFESSIONAL

The DALI® PROFESSIONAL System is suitable for complex applications when controlling rooms and whole floors, and for daylight-dependent control systems, RGB control and dynamic lighting control.

The advantages of DALI® PROFESSIONAL
- Each DALI® line can control 64 ECGs, 16 groups and 16 lighting scenes, respectively
- Four integrated, freely-configurable, potential-free relays in the controller
- Functions spanning multiple lines
- Daylight-dependent and event-controlled regulation with presence function of all groups
- Event-controlled sequences, such as corridor and stairwell function
- Graphical visualization of the equipment links

Applications
- Restaurants
- Retail outlets
- Industrial installations
- Offices

DALI® PRO Cont-4



All figures in mm

Product reference	Product number	Hz	CONTROL	No. of OUTPUTS	T_a	IP	pro-tection class	l [mm]	b [mm]	h [mm]	
DALI PRO Cont-4	4008321**478948**	50 – 60	DALI	4	0…+40	IP20	I	90	160	62	4
DALI PRO Cont-4 RTC	4008321**710871**	50 – 60	DALI	4	0…+40	IP20	I	90	160	62	10

Product characteristics
- Controller for four DALI® lines
- Up to 50 pushbutton/sensor couplers can be integrated
- Integrated DALI® supply
- Load contact: 4 x 5 A
- Daylight-dependent and/or presence-dependent or manual control
- Up to 4 x 16 groups can be controlled
- USB PC connection
- RTC version: Integrated real-time clock for configuring any daily schedules

Product benefits
- Plug-&-play preconfigured for instant use without any startup procedure
- Four freely programmable switchover relays

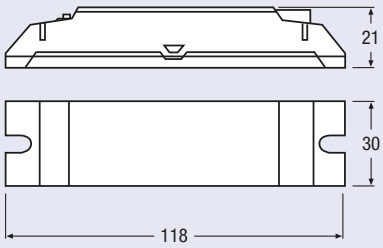
Applications
- Room control, floor control, daylight-dependent control

Technical equipment
- Suitable for up to 256 ECGs with DALI® interfaces
- Graphic configuration software with Windows interface

References
- For configuration software, go to: www.osram.com/software

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-dali-pro

DALI® PRO Sensor Coupler



All figures in mm

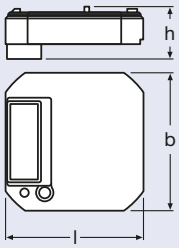
Product reference	Product number	CONTROL	No. of OUTPUTS	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI PRO Sensor Coupler	4008321**379269**	DALI	1	0…+50	IP20	II	118	30	21	25

Product benefits
- Sensor integration in DALI®
- Power supply from DALI®

Applications
- Connection of light and presence sensors in DALI® systems

Technical equipment
- Suitable for all light and presence sensors from the MULTI 3 range
- Separate installation possible with ECO CI KIT (see chapter “Components & Accessories”, p. 168 ff.)

DALI® PRO PB Coupler



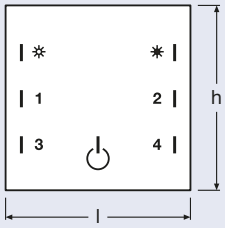
Product reference	Product number	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI PRO PB Coupler	4008321**496461**	DALI	0…+50	IP20	II	42	42	20	20

Product characteristics
- Four floating inputs
- For integrating pushbuttons/switches
- For switching, dimming, scene recall

Product benefits
- Power supply from DALI®
- Standard pushbuttons/switches can be used

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-dali-pro

Glass Touch 6

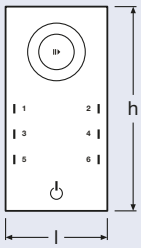


Product reference	Product number	T_a	IP	COLOR	protection class	l [mm]	b [mm]	h [mm]	
Glass Touch 6	4008321**957108**	0…+40	IP20	white	III	80	11	80	8

Product characteristics
- Six pushbutton functions
- Glass touch screen
- Supply via the e:bus DALI® gateway

Product benefits
- Smooth real glass surface, extremely low profile
- All the fixtures in the system can be dimmed or switched

Glass Touch 6 TW



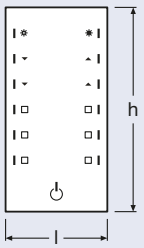
Product reference	Product number	T_a	IP	COLOR	protection class	l [mm]	b [mm]	h [mm]	
Glass Touch 6 TW	4008321**957054**	0…+40	IP20	white	III	80	11	160	4

Product characteristics
- Six pushbutton functions + touch wheel
- Glass touch screen
- Supply via the e:bus DALI® gateway

Product benefits
- Smooth real glass surface, extremely low profile
- All the fixtures in the system can be dimmed or switched

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-dali-pro

Glass Touch 12

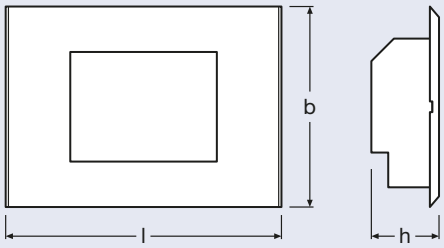


Product reference	Product number	T_a	IP	COLOR	pro-tection class	l [mm]	b [mm]	h [mm]	
Glass Touch 12	4008321**957115**	0…+40	IP20	white	III	80	11	160	4

Product characteristics
- 12 pushbutton functions
- Glass touch screen
- Supply via the e:bus DALI® Gateway

Product benefits
- Smooth real glass surface, extremely low profile
- All the fixtures in the system can be dimmed or switched

DALI® PRO Touch Panel



Product reference	Product number	T_a	IP	pro-tection class	l [mm]	b [mm]	h [mm]	
DALI PRO Touch Panel	4008321**957009**	0…+40	IP20	III	220	160	54	1

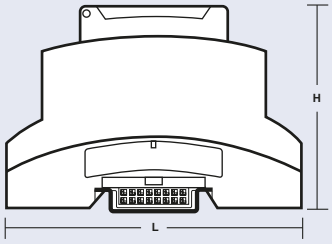
Product characteristics
- High-resolution 5.7" LCD touch screen
- Connection via the e:bus DALI® gateway
- Dimming and switching of all connected fixtures
- Timed programming of on/off, switching of groups
- Individual objects such as backgrounds, logos, keys or floor plans can be used
- Simple and flexible configuration via Windows software (minimum requirement: Windows XP)

Technical equipment
- Flush-type boxes available for installation in hollow or concrete walls (see chapter “Components & Accessories”, p. 168 ff.)

References
- For configuration software, go to: www.osram.com/software

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-dali-pro

e:bus DALI® Gateway

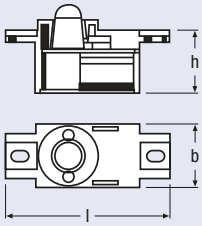


Product reference	Product number	V	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
e:bus DALI Gateway	4008321**957085**	24	0…+50	IP20	II	90	54	60	8

Product characteristics
- Interface between DALI® PRO Cont-4 and Touch Panel or Glass Touch
- Control elements supplied via the communication bus

Technical equipment
- 24 V supply needed (e.g. PS 30/24 V) (see chapter “Components & Accessories”, p. 168 ff.)

LS/PD MULTI 3



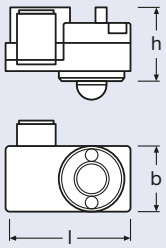
Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3	4050300**802138**	80 [1]	20…600 [1]	4	IP20	anthracite	55	21	25	25

Product characteristics
- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (detachable)
- Ideal mounting height: 1.5–3.5 m (maximum: 4 m)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

1) Approx.

LS/PD MULTI 3 A



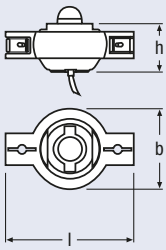
Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3 A	4008321**653581**	80	20 … 600 [1]	4	IP20	anthracite	38	20	22	25
LS/PD MULTI 3 A	4008321**659385**	80	20 … 600 [1]	4	IP20	anthracite	38	20	22	50
LS/PD MULTI 3 A-w	4008321**653604**	80	20 … 600 [1]	4	IP20	white	38	20	22	25
LS/PD MULTI 3 A-w	4008321**659392**	80	20 … 600 [1]	4	IP20	white	38	20	22	50

Product characteristics
- Retrofit sensor with clip
- Connection via modular 4p4c connector
- Connecting cable length: 2.1m (detachable)
- Ideal mounting height: 1.5–3.5 m (maximum: 4 m)

Product benefits
- Also available in industrial packs (50 units)

Technical equipment
- White version with high-temperature cable and clip
- Anthracite version with standard cable, no clip

LS/PD MULTI 3 B



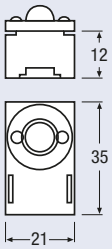
Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3 B	4050300**803081**	80	20…600 [1]	4	IP20	anthracite	48	30	25	25
LS/PD MULTI 3 B-w	4008321**988638**	80	20…600 [1]	4	IP20	white	48	30	25	25

Product characteristics
- Swivel sensor head
- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (permanently connected)
- Color versions white + anthracite
- Ideal mounting height: 1.5 – 3.5 m (maximum: 4 m)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

1) Approx.

LS/PD MULTI 3 FL



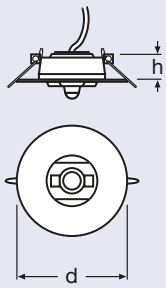
All figures in mm

Product reference	Product number		Lx	h m	IP	COLOR	l [mm]	b [mm]	h [mm]	
LS/PD MULTI 3 FL	4008321**047342**	80	20…600 [1]	4	IP20	anthracite	35	21	12	25

Product characteristics

- Low-profile casing design
- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (permanently connected)
- Ideal mounting height: 1.5–3.5 m (maximum: 4 m)

LS/PD MULTI 3 CI



Product reference	Product number		Lx	h m	IP	d [mm]	COLOR	h [mm]	
LS/PD MULTI 3 CI	4008321**916648**	80	20…600 [1]	4	IP20	50	white	25	10

Product characteristics

- Ceiling installation sensor with swivel sensor head
- Connection via 4-pole screw terminal or modular 4c4p connector
- Surface mounting with SENSOR KIT
- Ideal mounting height: 1.5–3.5 m (maximum: 4 m)

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-multieco

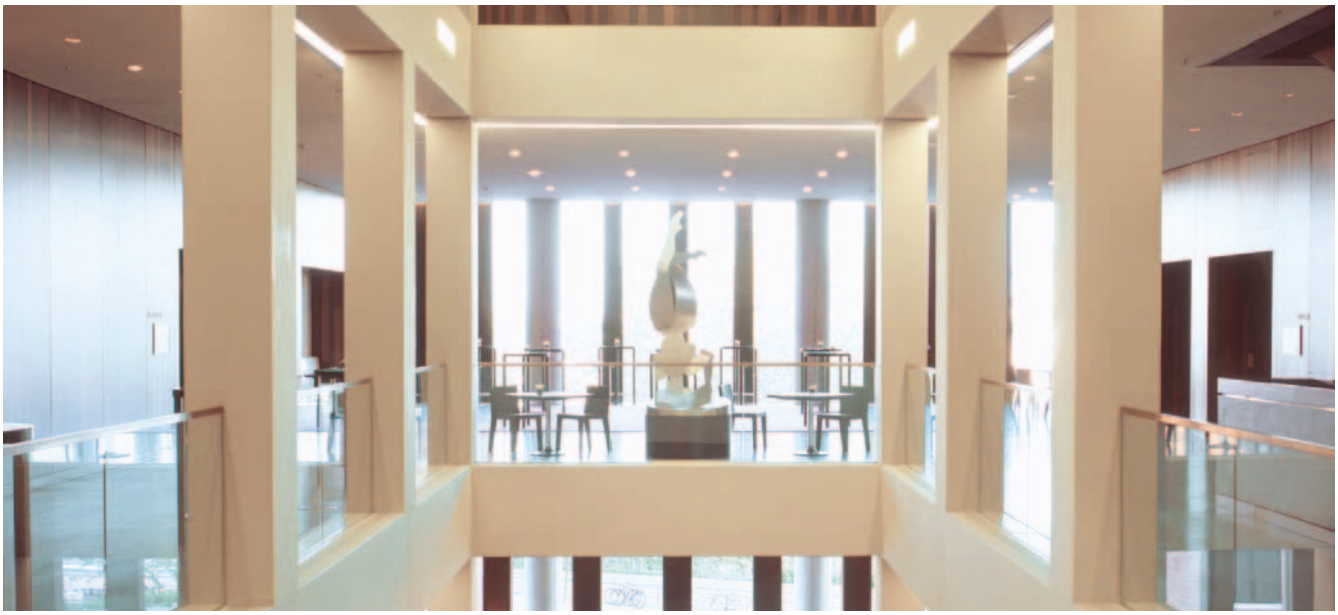
1) Approx.

LMS components: Quality is in the detail

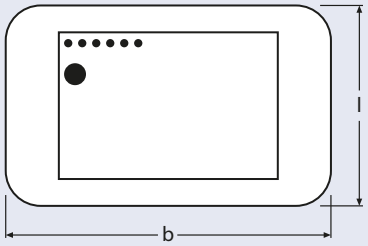
Expand, connect and install light management systems – all from a single source with non-system-specific components from OSRAM.

These accessories, perfectly matched to OSRAM products in terms of quality and compatibility, make installing, connecting and expanding innovative light management systems extremely simple. OSRAM is also supplementing its range with system-independent components:

- Signal repeaters
- Signal converters
- Signal amplifiers
- Radio-controlled components
- Connectors
- Installation kits



DALI® magic



Product reference	Product number	V	Hz	CONTROL	IP	l [mm]	b [mm]	h [mm]	
DALI magic	4008321**582768**	220-240	50 – 60	DALI	IP20	79	120	28	1

Product characteristics
- Standard USB interface
- Central control, analysis and programming of DALI® systems via Windows PC (minimum requirement: Windows XP)
- PC-independent: controller for switching and dimming DALI® lighting systems

Features of the associated DALI® wizard software (included)
- Intuitive configuration of up to 64 DALI® ECGs
- Offline/online configuration of DALI® installations
- "DALI® Spy" functionality for logging the DALI® data flow

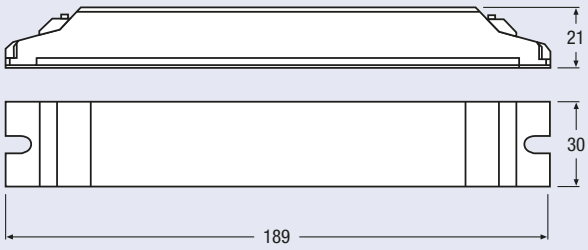
Features of the 3DIM Tool software
- Programming of OSRAM ECGs with 3DIM functionality
- Visualization of individual AstroDIM and StepDIM operation

Applications
- Analysis and configuration tool for DALI® and 3DIM applications

References
- For configuration software, go to: www.osram.com/software

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

DALI® REP LI



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI REP LI	4008321**292599**	100-240	50–60	DALI	0…+50	IP20	I	189	30	21	25

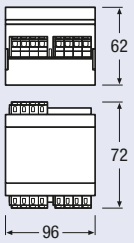
Product characteristics
- Expansion of DALI® systems by 64 ECGs each
- Extension of the DALI® line by 300 m
- Touch DIM® control of 64 DALI® ECGs
- The ECGs connected to the repeater operate as a group
- Maximum power draw: 4 W

Product benefits
- The repeater can be addressed via DALI®
- Repeaters are cascadable

Technical equipment
- Separate installation possible with LMS CI BOX

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

DALI® REP SO



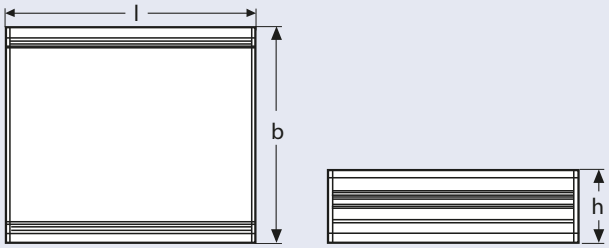
All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI REP SO	4008321**301093**	100-240	50–60	DALI	0…+50	IP20	I	96	72	62	16

Product characteristics
- Expansion of DALI® systems by 64 ECGs each
- Extension of the DALI® line by 300 m
- Touch DIM® control of 64 DALI® ECGs
- The ECGs connected to the repeater operate as a group
- Maximum power draw in standby mode: 1 W
- Integrated load contact for isolating the connected ECGs from the line supply

Product benefits
- Disconnection of ECG standby power via integrated load contact
- The repeater can be addressed via DALI®
- Repeaters are cascadable

DMX ISOLATED REP



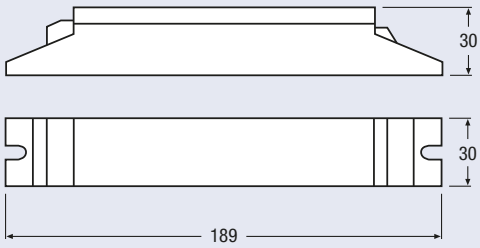
Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DMX ISOL REP	4008321**621832**	48	0	DMX	0…+50	IP20	III	80	72	24	10

Product characteristics
- Increase in the number of DMX devices by 32
- Extension of the signal cable length by 300 m
- Processing of the DMX and RDM signal
- Supply voltage: 9…48 V DC

Product benefits
- Integrated insulation and electrical separation between the input and output

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

DIM SA



All figures in mm

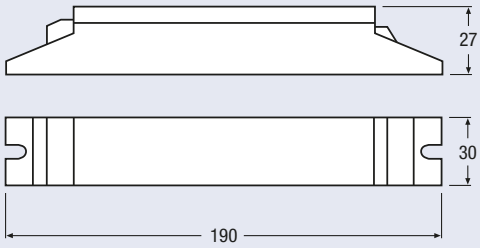
Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DIM SA	4008321**097095**	220-240	50–60	1 ... 10 V	0…+50	IP20	I	189	30	30	40

Product characteristics
- Signal amplifier for 1–10 V controllers and sensors
- Load capacity of the output signal: 100 mA max.

Product benefits
- Supports large luminaire groups and long control lines
- Signal amplifiers are cascadable

Technical equipment
- Suitable for up to 100 ECGs
- Suitable for up to 33 DIM SA signal amplifiers

DALI® CON 1...10 LI



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI CON 1...10 LI	4050300**638973**	220-240	50–60	DALI	0…+50	IP20	I	190	30	27	40

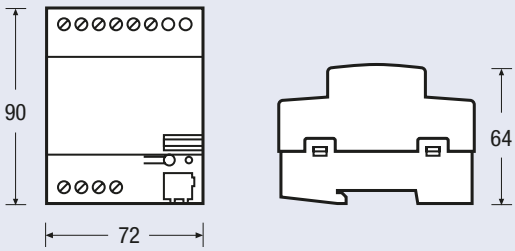
Product characteristics
- Load capacity of the output signal: 100 mA max.
- 0…10 V max. 5 mA active
- Load capacity of switching contact: 5 A
- Touch DIM® control of 1–10 V ECGs

Product benefits
- Can be used purely as a switching actuator
- Switchable characteristic linear/logarithmic

Technical equipment
- Suitable for up to 100 ECGs
- Suitable for up to 33 DIM SA signal amplifiers

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

DALI® CON 1...10 SO



All figures in mm

Product reference	Product number	V	Hz	CONTROL	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI CON 1...10 SO	4050300**639802**	220-240	50–60	DALI	0…+45	IP20	II	90	72	64	16

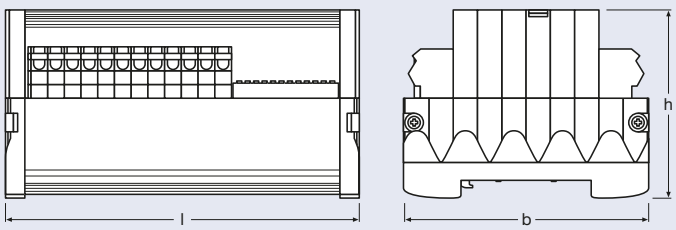
Product characteristics
- Load capacity of the output signal: 100 mA max.
- 0…10 V max. 5 mA active
- Load capacity of switching contact: 5 A
- Touch DIM® control of 1–10 V ECGs

Product benefits
- Can be used purely as a switching actuator
- Switchable characteristic linear/logarithmic

Technical equipment
- Suitable for up to 100 ECGs
- Suitable for up to 33 DIM SA signal amplifiers

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

DMX CONV DALI® SO

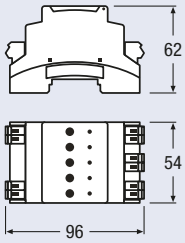


Product reference	Product number	V	Hz	IP	protection class	l [mm]	b [mm]	h [mm]	
DMX CONV DALI SO	4008321**532336**	100-240	50 – 60	IP20	I	107	76	59	10

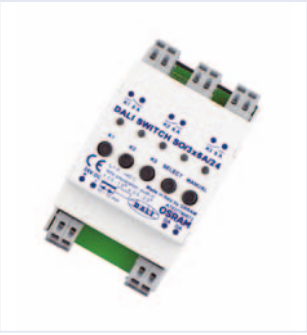
Product characteristics
- Six DALI® broadcast outputs
- Manual and automatic DMX addressing modes
- Instant activation of FL lamps (only in connection with QTi DALI® ECGs)
- Number of DMX channels to be converted (1–6) can be set
- Automatic amplification of the DMX output signal

Technical equipment
- Suitable for up to 96 ECGs

DALI® SWITCH SO



All figures in mm

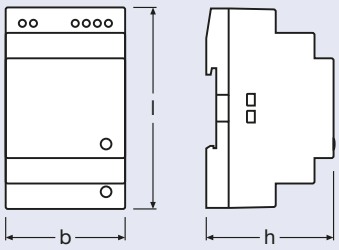


Product reference	Product number	V	Hz	T_a	IP	protection class	l [mm]	b [mm]	h [mm]	
DALI SWITCH SO	4008321**533364**	24	0	0…+45	IP20	II	96	54	62	8

Product characteristics
- DALI®-controlled switch output for incandescent lamps, QT, OT, PT, HT control gears
- 3 independent relay contacts
- Switch contact load capacity 6 A ohmic load
- Supply voltage 24 V DC

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

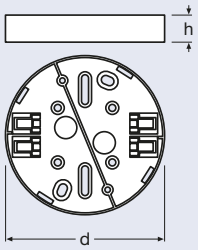
POWER SUPPLY PS 30

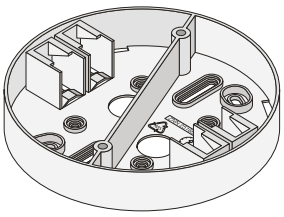


Product reference	Product number	V	Hz	T_a	IP	l [mm]	b [mm]	h [mm]	
PS 30	4008321**555311**	100-240	50 – 60	-20…+55	IP20	90	54	58	200

Product characteristics
- 24 V DC output voltage
- 1.3 A output current

MOUNTING ADAPTER



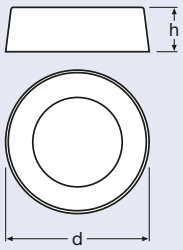


Product reference	Product number	d [mm]	h [mm]	
MOUNTING ADAPTER	4008321**480798**	116	19	20

Applications
- Adapter for surface mounting of sensor elements with a diameter of 116 mm

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

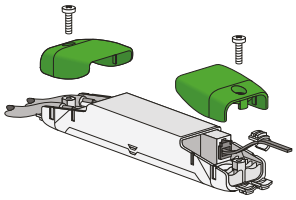
SENSOR KIT



Product reference	Product number	COLOR	d [mm]	h [mm]	
SENSOR KIT	4008321**916662**	white	80	25	10

Applications
- Adapter for surface mounting of sensor elements with a diameter of 80 mm

ECO CI KIT



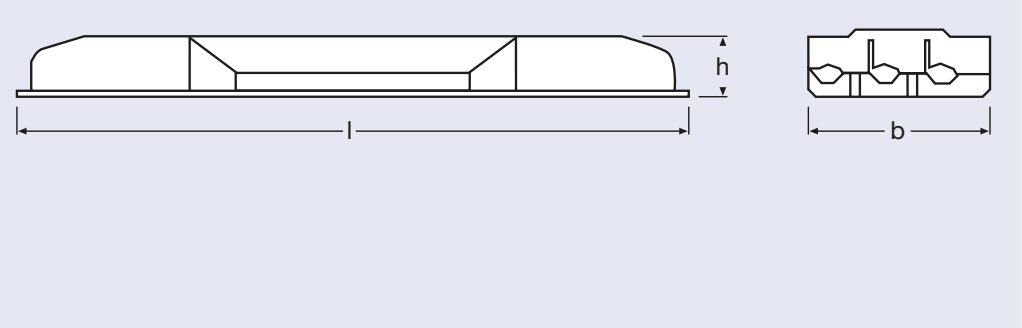
Product reference	Product number	
ECO CI KIT	4008321**392091**	100

Product characteristics
- Cable clamp for separate installation

Applications
- Suitable for all OSRAM controllers with dimensions of 118 mm x 30 mm x 21 mm

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

LMS CI BOX

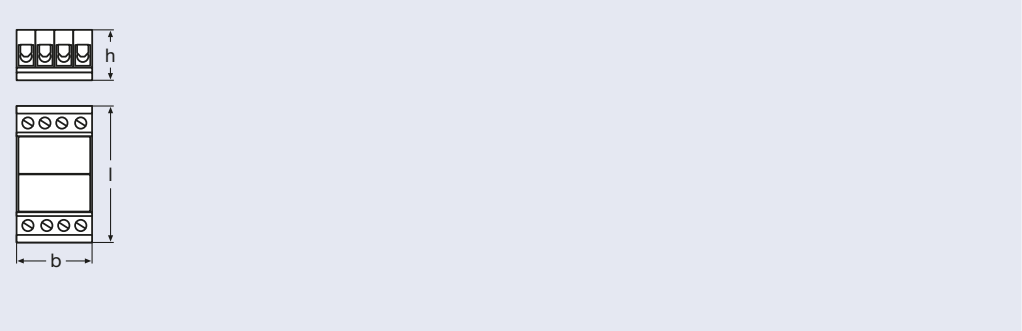


Product reference	Product number	l [mm]	b [mm]	h [mm]	
LMS CI BOX	4008321**083692**	261	71	27	40

Product characteristics
- Strain relief casing for separate installation

Applications
- Suitable for all OSRAM controllers with dimensions of 189 mm x 30 mm x 21 mm

Y-CONNECTOR SCREW



Product reference	Product number	IP	pro-tection class	l [mm]	b [mm]	h [mm]	
Y-CONNECTOR SCREW	4008321**916686**	IP20	III	40	20	16	25

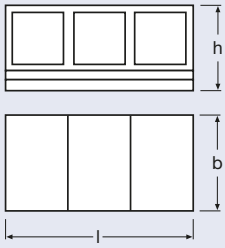
Product characteristics
- Passive distributor
- Connection via 4-pole screw terminal or modular 4p4c connector
- Type of mounting: Option for adhesive pad mounting

Product benefits
- Enables multiple sensors to be connected in parallel to a MULTIeco/MULTI 3 system
- Enables multiple EASY system components to be synchronized and interconnected

Technical equipment
- Two connecting cables included, modular 4p4c connector on both ends, length 2.1 m
- Suitable for all OSRAM components with modular 4p4c connector system

For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

Y-CONNECTOR



Product reference	Product number	IP	protection class	l [mm]	b [mm]	h [mm]	
Y-CONNECTOR	4050300**803135**	IP20	III	34	18	16	25

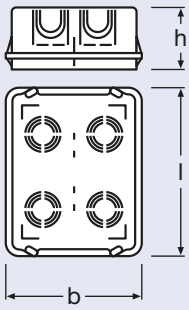
Product characteristics
- Passive distributor
- Connections: three modular 4p4c sockets
- Type of mounting: Option for adhesive pad mounting

Product benefits
- Enables multiple sensors to be connected in parallel to a MULTIeco/MULTI 3 system
- Enables multiple EASY system components to be synchronized and interconnected

Technical equipment
- Two connecting cables included, modular 4p4c connector on both ends, length 2.1 m
- Suitable for all OSRAM components with modular 4p4c connector system

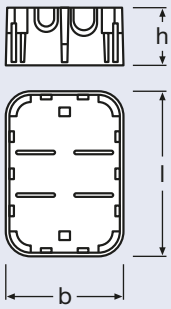
For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

CONCRETE BOX



Product reference	Product number	l [mm]	b [mm]	h [mm]	
CONCRETE BOX 5.7 71320	4008321**552556**	180	134	70	20

HOLLOW BOX



Product reference	Product number	l [mm]	b [mm]	h [mm]	
HOLLOW BOX 5.7 V71620	4008321**552532**	199.3	134.2	70	20

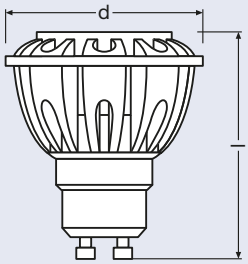
For further information and/or detailed product data sheets, please go to: www.osram.com/lms-components

LED lamps

Major changes mostly involve a lot of work. Switching to LEDs takes only a moment. LED lamps from OSRAM make it easy to embrace the lighting technologies of tomorrow.

OSRAM PARATHOM® PRO PAR16 35 Advanced	182
OSRAM PARATHOM® PRO PAR16 50/75 Advanced	183
OSRAM PARATHOM® PRO MR16 20 Advanced	184
OSRAM PARATHOM® PRO MR16 35 Advanced	185
OSRAM PARATHOM® PRO MR16 50/60 Advanced	186
OSRAM PARATHOM® PRO LEDspot 111	187
OSRAM PARATHOM® PAR16 20 E27	188
OSRAM PARATHOM® PAR16 20/35	188
OSRAM PARATHOM® PAR16 35 Advanced	189
OSRAM PARATHOM® MR11	190
OSRAM PARATHOM® MR16 Advanced	190
OSRAM PARATHOM® CLASSIC A 15	191
OSRAM PARATHOM® CLASSIC A 40 Advanced	191
OSRAM PARATHOM® CLASSIC A50/A60 Advanced	192
OSRAM PARATHOM® CLASSIC A 320° Advanced	192
OSRAM PARATHOM® CLASSIC B 15	194
OSRAM PARATHOM CLASSIC B 25 CLEAR	194
OSRAM PARATHOM® CLASSIC B 25	195
OSRAM PARATHOM® CLASSIC P 15	196
OSRAM PARATHOM® CLASSIC P 25 Advanced	196
OSRAM PARATHOM® CLASSIC P 15	197
OSRAM PARATHOM® CLASSIC P 25 Advanced	198
OSRAM PARATHOM® GLOBE CL G15	199
OSRAM PARATHOM® GLOBE CL G40 E27	199
OSRAM PARATHOM® SPECIAL T26	201
OSRAM PARATHOM® LED PIN G4	202
OSRAM LEDinestra® S14d	203
OSRAM LEDinestra® S14s	203
SubstiTUBE® Advanced, 2nd generation	205
SubstiTUBE® Advanced	206
SubstiTUBE® Basic	207
SubstiTUBE® EXT Advanced	208

OSRAM PARATHOM® PRO PAR16 35 Advanced

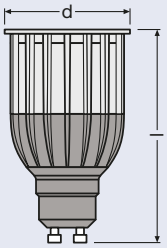


Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® PRO PAR16 35 Advanced											
PRO PAR16 35 25° 927 Adv [1]	4008321**973375**	5.2	190	800	2700	90	GU10	yes	58	50	10
PRO PAR16 35 25° 930 Adv [1]	4008321**973399**	5.2	220	850	3000	90	GU10	yes	58	50	10
PRO PAR16 35 25° 840 Adv [1]	4008321**973412**	5.2	310	1100	4000	80	GU10	yes	58	50	10
PRO PAR16 35 35° 927 Adv [1]	4008321**972255**	5.2	190	500	2700	90	GU10	yes	58	50	10
PRO PAR16 35 35° 930 Adv [1]	4008321**972279**	5.2	220	600	3000	90	GU10	yes	58	50	10
PRO PAR16 35 35° 840 Adv [1]	4008321**972293**	5.2	310	900	4000	80	GU10	yes	58	50	10

NEW
NEW
NEW
NEW
NEW
NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® PRO PAR16 50/75 Advanced



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® PRO PAR16 50/75 Advanced												
PRO PAR16 50 25° 927 Adv [1]	4008321**973436**	9	315	1200	2700	90	GU10	yes	85	50	10	NEW
PRO PAR16 50 25° 930 Adv [1]	4008321**973450**	9	350	1300	3000	90	GU10	yes	85	50	10	NEW
PRO PAR16 50 25° 840 Adv [1]	4008321**973474**	9	470	1800	4000	80	GU10	yes	85	50	10	NEW
PRO PAR16 50 35° 927 Adv [1]	4008321**972736**	9	315	800	2700	90	GU10	yes	85	50	10	NEW
PRO PAR16 50 35° 830 Adv [1]	4008321**973771**	9	350	950	3000	90	GU10	yes	85	50	10	NEW
PRO PAR16 50 35° 840 Adv [1]	4008321**973795**	9	470	1040	4000	80	GU10	yes	85	50	10	NEW
PRO PAR16 75 25° 827 Adv [1]	4008321**972873**	10.5	450	1700	2700	80	GU10	yes	86	50	10	NEW
PRO PAR16 75 25° 830 Adv [1]	4008321**972897**	10.5	500	1900	3000	80	GU10	yes	86	50	10	NEW
PRO PAR16 75 25° 765 Adv [1]	4008321**972910**	10.5	620	2500	6500	70	GU10	yes	86	50	10	NEW
PRO PAR16 75 35° 827 Adv [1]	4008321**972330**	10.5	450	1100	2700	80	GU10	yes	86	50	10	NEW
PRO PAR16 75 35° 830 Adv [1]	4008321**972354**	10.5	500	1200	3000	80	GU10	yes	86	50	10	NEW
PRO PAR16 75 35° 765 Adv [1]	4008321**972378**	10.5	620	1500	6500	70	GU10	yes	86	50	10	NEW
PRO PAR16 50 35° LEDOTRON [1] [2]	4008321**988560**	9	[2]	840	3000	90	GU10	yes	85	50	10	NEW

Product characteristics
- Professional LED lamps for line voltage
- Dimmable (Advanced versions)
- Lifetime: up to 40000 hours
- Mercury-free lamp
- High color consistency; SDCM: <5 (PARATHOM PRO)

Product benefits
- Very low energy consumption
- Extremely long lifetime
- Shock-proof and vibration-proof thanks to LED technology
- No UV or near-IR radiation in the light beam
- Professional thermal management
- Efficient generation of white light
- Alternatives to line voltage halogen lamps
- Ideal for economical spotlighting

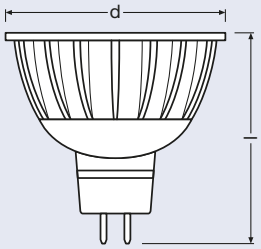
Applications
- Spotlighting for accents
- Display cabinets and shop windows
- Retail outlets and exhibition rooms
- Spotlighting of heat-sensitive objects such as food, plants etc.
- May be used outdoors only in outdoor fixtures (at least IP65)
- Directional light sources
- Hospitality
- Shops

References
- For dimming compliance, go to: www.osram.com/dim
- For guarantees, go to:www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) In preparation

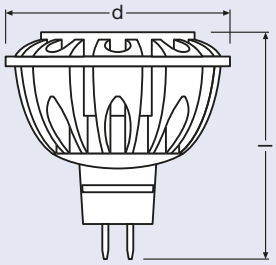
OSRAM PARATHOM® PRO MR16 20 Advanced



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® PRO MR16 20 Advanced												
PRO MR16 20 24° 927 Adv [1]	4008321**973252**	5	190	800	2700	90	GU5.3	yes	46	50	10	NEW
PRO MR16 20 24° 930 Adv [1]	4008321**973276**	5	210	950	3000	90	GU5.3	yes	46	50	10	NEW
PRO MR16 20 24° 840 Adv [1]	4008321**973290**	5	290	1100	4000	80	GU5.3	yes	46	50	10	NEW
PRO MR16 20 36° 927 Adv [1]	4008321**972217**	5	190	460	2700	90	GU5.3	yes	46	50	10	NEW
PRO MR16 20 36° 930 Adv [1]	4008321**972095**	5	210	500	3000	90	GU5.3	yes	46	50	10	NEW
PRO MR16 20 36° 840 Adv [1]	4008321**972118**	5	290	720	4000	80	GU5.3	yes	46	50	10	NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

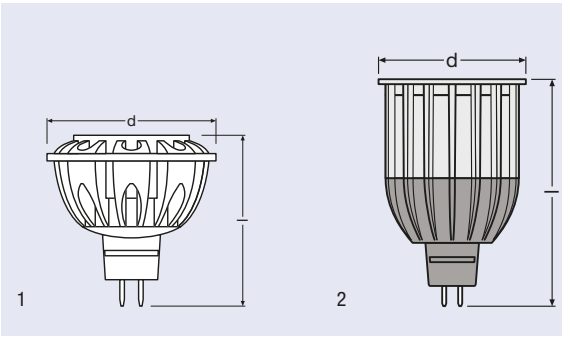
OSRAM PARATHOM® PRO MR16 35 Advanced



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® PRO MR16 35 Advanced												
PRO MR16 35 24° 827 Adv [1]	4008321**973313**	7	315	1000	2700	85	GU5.3	yes	50	50	10	NEW
PRO MR16 35 24° 830 Adv [1]	4008321**973337**	7	350	1100	3000	85	GU5.3	yes	50	50	10	NEW
PRO MR16 35 24° 840 Adv [1]	4008321**973351**	7	430	1300	4000	80	GU5.3	yes	50	50	10	NEW
PRO MR16 35 36° 827 Adv [1]	4008321**972231**	7	315	850	2700	85	GU5.3	yes	50	50	10	NEW
PRO MR16 35 36° 830 Adv [1]	4008321**972132**	7	350	950	3000	85	GU5.3	yes	50	50	10	NEW
PRO MR16 35 36° 840 Adv [1]	4008321**972156**	7	430	1100	4000	80	GU5.3	yes	50	50	10	NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® PRO MR16 50/60 Advanced



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		No.	
OSRAM PARATHOM® PRO MR16 50/60 Advanced													
PRO MR16 50 24° 827 Adv [1]	4008321**991492**	7	380	1100	2700	80	GU5.3	yes	50	50	10	1	NEW
PRO MR16 50 24° 830 Adv [1]	4008321**991515**	7	420	1300	3000	80	GU5.3	yes	50	50	10	1	NEW
PRO MR16 50 36° 827 Adv [1]	4008321**991423**	7	380	900	2700	80	GU5.3	yes	50	50	10	1	NEW
PRO MR16 50 36° 830 Adv [1]	4008321**991447**	7	420	1100	3000	80	GU5.3	yes	50	50	10	1	NEW
PRO MR16 60 36° 827 Adv [1]	4008321**972316**	11	450	1100	2700	80	GU5.3	yes	78	50	10	2	NEW
PRO MR16 60 36° 830 Adv [1]	4008321**972170**	11	500	1200	3000	80	GU5.3	yes	78	50	10	2	NEW

Product characteristics
- Professional LED lamp
- Dimmable (Advanced versions)
- Lifetime: up to 40000 hours
- Mercury-free lamp
- High color consistency

Product benefits
- Very low energy consumption
- Extremely long lifetime
- Shock-proof and vibration-proof
- No UV or near-IR radiation in the light beam
- Efficient generation of white light

Applications
- As a downlight for marking walkways, doors, stairs etc.
- Exhibitions, department stores
- May be used outdoors only in outdoor fixtures (at least IP65)
- Directional light sources
- Museums
- Hospitality
- Shops

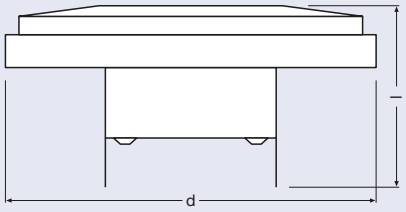
Technical equipment
- Equipped with high-power LEDs
- Operated with conventional or electronic transformers

References
- For dimming compliance, go to: www.osram.com/dim
- For more products and the latest information on LED lamps, go to: www.osram.com/ledlamps
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/low-voltage-ledlamps

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® PRO LEDspot 111



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® PRO LEDspot 111												
PRO LEDspot 111 50 24° Adv [1]	4008321**972392**	12	500	3600	2700	85	G53	yes	58.5	111	6	NEW
PRO LEDspot 111 50 24° Adv [1]	4008321**972415**	12	550	4000	3000	85	G53	yes	58.5	111	6	NEW

Product characteristics
- Professional LED lamp
- Dimmable
- Lifetime: up to 45000 hours
- Mercury-free lamp
- High color consistency

Product benefits
- Very low energy consumption
- Extremely long lifetime
- Shock-proof and vibration-proof
- No UV or near-IR radiation in the light beam
- Efficient generation of white light

Applications
- Shops
- Exhibitions, department stores
- Museums
- Hospitality
- Directional light sources

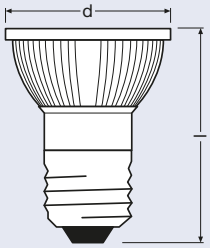
Technical equipment
- Equipped with high-power LEDs
- Operated with conventional or electronic transformers

References
- For dimming compliance, go to: www.osram.com/dim
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/low-voltage-ledlamps

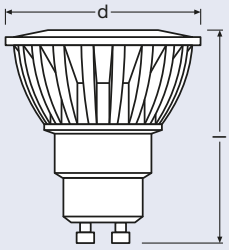
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® PAR16 20 E27



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® PAR16 20 E27											
PAR16 20 35° 830 [1]	4008321**965769**	4.5	170	450	3000	80	E27	no	68	50	10
PAR16 20 35° 765 [1]	4008321**965721**	4.5	230	600	6500	70	E27	no	68	50	10

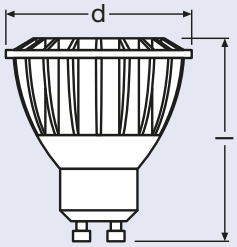
OSRAM PARATHOM® PAR16 20/35



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® PAR16 20/35												
PAR16 20 35° 828 [1]	4008321**973108**	5	170	450	2800	80	GU10	no	57	50	10	NEW
PAR16 20 35° 830 [1]	4008321**980502**	5	170	450	3000	80	GU10	no	57	50	10	NEW
PAR16 20 35° 740 [1]	4008321**973634**	5	230	600	4000	75	GU10	no	57	50	10	NEW
PAR16 35 35° 828 [1]	4008321**973061**	5	200	600	2800	80	GU10	no	57	50	10	NEW
PAR16 35 35° 830 [1]	4008321**980489**	5	200	600	3000	80	GU10	no	57	50	10	NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® PAR16 35 Advanced

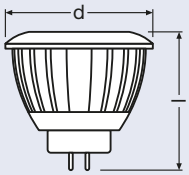


Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® PAR16 35 Advanced											
PAR16 35 35° 830 [1]	4008321**979506**	5	200	600	3000	80	GU10	no	57	50	10
PAR16 35 35° 830 Adv [1]	4008321**975379**	5.5	200	600	3000	80	GU10	yes	57	50	10

NEW

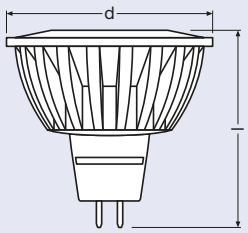
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® MR11



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® MR11												
MR11 20 24° 830 [1]	4008321**975553**	3	120	700	3000	80	GU4	no	40	35	10	NEW

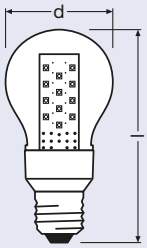
OSRAM PARATHOM® MR16 Advanced



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® MR16 Advanced												
MR16 20 36° 828 Adv [1]	4008321**682611**	5	200	520	2800	80	GU5.3	yes	48	50	6	NEW
MR16 20 36° 830 Adv [1]	4008321**682574**	5	210	550	3000	80	GU5.3	yes	48	50	6	NEW
MR16 20 36° 830 [1]	4008321**521927**	4.5	185	450	3000	80	GU5.3	no	48	50	6	

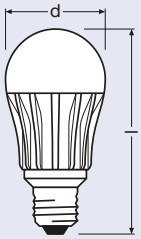
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® CLASSIC A 15



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC A 15											
CL A 15 (clear) [1]	4008321**974655**	3	136	-	3000	70	E27	no	109	55	10
CL A 15 (clear) [1]	4008321**974617**	3	136	-	5500	70	E27	no	109	55	10

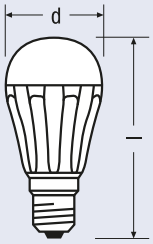
OSRAM PARATHOM® CLASSIC A 40 Advanced



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC A 40 Advanced										
CL A 40 827 ADV FR [1]	4008321**960610**	8.5	470	2700	80	E27	yes	115	57	10

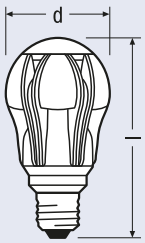
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® CLASSIC A 50/A 60 Advanced



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC A 50/A 60 Advanced										
CL A 50 827 Adv FR [1]	4008321**965165**	12	650	2700	80	E27	yes	126	62	10
CL A 60 927 Adv FR [1]	4008321**973672**	13	810	2700	90	E27	yes	126	62	10
CL A 60 Adv FR WW LEDOTRON [1) 2)]	4008321**988553**	12	[1) 2)]	2700	80	E27	yes	126	62	10

OSRAM PARATHOM® CLASSIC A 320° Advanced



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® CLASSIC A 320° Advanced											
CL A 40 320° 827 Adv FR [1]	4008321**979124**	8	470	2700	80	E27	yes	116	62	10	NEW
CL A 60 320° 827 Adv FR [1) 2)]	4008321**973498**	12	810	2700	80	E27	yes	116	62	10	NEW
CL A 75 320° 827 Adv FR [1) 2)]	4008321**973511**	14.5	1055	2700	80	E27	yes	116	62	10	NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) In preparation

Product characteristics
- Professional LED lamps for line voltage
- Dimmable (Advanced versions)
- Lifetime: up to 30000 hours
- Mercury-free lamps

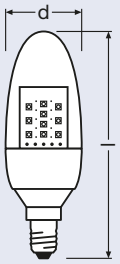
Product benefits
- Very low energy consumption
- Extremely long lifetime
- Shock-proof and vibration-proof thanks to LED technology
- No UV or near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement of conventional incandescent lamps
- Lower thermal output (compared with the standard reference product)
- Durability at low temperatures

Applications
- Domestic applications
- General illumination
- May be used outdoors only in outdoor fixtures (at least IP65)

References
- For dimming compliance, go to: www.osram.com/dim
- For guarantees, go to: www.osram.com/guarantee

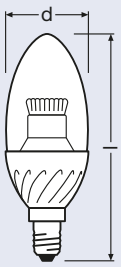
For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

OSRAM PARATHOM® CLASSIC B 15



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC B 15											
CL B 15 (clear) [1]	4008321**974815**	2.5	136	-	3000	70	E14	no	104	35	10
CL B 15 (clear) [1]	4008321**974778**	2.5	136	-	5500	70	E14	no	104	35	10

OSRAM PARATHOM CLASSIC B 25 CLEAR

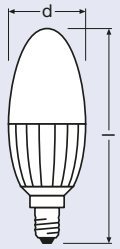


Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM CLASSIC B 25 CLEAR											
CL B 25 CD 827 [1]	4008321**990631**	3.5	250	-	2700	80	E14	no	102	37	10

NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® CLASSIC B 25



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC B 25										
CLASSIC B 25 FR WW [1]	4008321**984128**	4.5	250	2700	90	E14	no	117	40	10

Product characteristics
- Professional LED lamps for line voltage
- Not suitable for use with dimmers
- Lifetime: up to 25000 hours
- Mercury-free lamps
- Very high color rendering (R_a: 90)

Product benefits
- Very low energy consumption
- Extremely long lifetime
- Shock-proof and vibration-proof thanks to LED technology
- No UV or near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement of conventional incandescent lamps
- Lower thermal output (compared with the standard reference product)

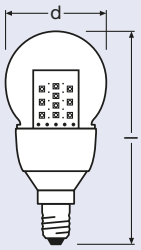
Applications
- General illumination
- Domestic applications

References
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

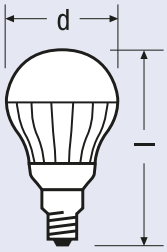
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® CLASSIC P 15



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC P 15											
CL P 15 (clear) [1]	4008321**974853**	2.5	136	-	3000	70	E14	no	95	45	10

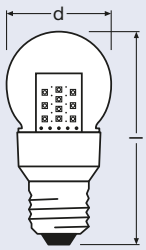
OSRAM PARATHOM® CLASSIC P 25 Advanced



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]		
OSRAM PARATHOM® CLASSIC P 25 Advanced											
CL P 25 827 ADV FR [1) 2)]	4008321**994172**	4.5	250	2700	80	E14	yes	78	45	10	NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) In preparation

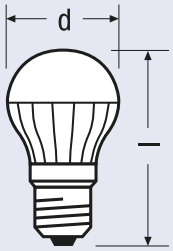
OSRAM PARATHOM® CLASSIC P 15



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC P 15											
CL P 15 (clear) [1]	4008321**974693**	2.5	136	-	5500	70	E27	no	90	45	10
CL P 15 (clear) [1]	4008321**974730**	2.5	136	-	3000	70	E27	no	90	45	10

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® CLASSIC P 25 Advanced



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® CLASSIC P 25 Advanced										
CL P 25 827 ADV FR [1) 2)]	4008321**994073**	4.5	250	2700	80	E27	yes	78	45	10

NEW

Product characteristics
- Professional LED lamps for line voltage
- Dimmable (Advanced versions)
- Lifetime: up to 25000 hours
- Mercury-free lamps

Product benefits
- Very low energy consumption
- Extremely long lifetime
- Shock-proof and vibration-proof thanks to LED technology
- No UV or near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement of conventional incandescent lamps
- Lower thermal output (compared with the standard reference product)
- Durability at low temperatures

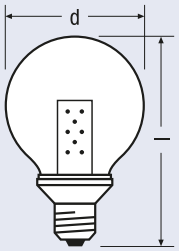
Applications
- General illumination
- Domestic applications

References
- For dimming compliance, go to: www.osram.com/dim
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

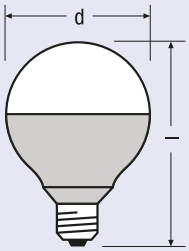
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) In preparation

OSRAM PARATHOM® GLOBE CL G15



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® GLOBE CL G15											
CL G 15 (clear) [1]	4008321**974556**	3	136	-	3000	70	E27	no	142	95	10

OSRAM PARATHOM® GLOBE CL G40 E27



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® GLOBE CL G40 E27											
CL G 40 (frosted) [1]	4008321**965387**	10.5	470	-	3000	80	E27	no	130	95	6

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

Product features
- Professional LED lamps for line voltage
- Not suitable for use with dimmers
- Mercury-free lamps
- Lifetime: up to 25000 h

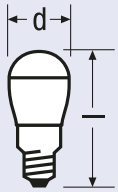
Product benefits
- Lower thermal output (compared with the standard reference product)
- Very low energy consumption
- Shock-proof and vibration-proof thanks to LED technology
- Extremely long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement of conventional incandescent lamps

Applications
- General illumination
- Domestic applications

References
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

OSRAM PARATHOM® SPECIAL T26



Product reference	Product number	W	lm	cd	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® SPECIAL T26											
SPECIAL T26 15 [1]	4008321**965004**	0.8	65	-	5500	70	E14	no	61	26	20
SPECIAL T26 15 [1]	4008321**973719**	0.8	65	-	3000	75	E14	no	61	26	20

NEW

Product features
- Light color: daylight and warm white
- Not suitable for use with dimmers
- LED lamps for line voltage
- Mercury-free lamps
- Lifetime: up to 15000 h

Product benefits
- Very low energy consumption
- Long lifetime
- Shock-proof and vibration-proof
- Extremely small dimensions
- Lower thermal output (compared with the standard reference product)

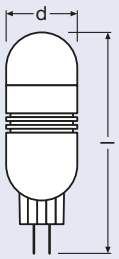
Applications
- Refrigerators, sewing machines
- Accent lighting
- Outdoor use in outdoor luminaires only (minimum IP65)

References
- For guarantees go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM PARATHOM® LED PIN G4



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]	
OSRAM PARATHOM® LED PIN G4										
PARATHOM LED PIN G4 [1]	4008321**977281**	1.5	80	3000	75	G4	no	55	19	20

Product characteristics
- Not dimmable
- Lifetime: up to 15000 h
- Mercury-free lamp
- Color temperature: 3000 K

Product benefits
- Very low energy consumption
- Much longer relamping intervals compared to standard halogen technology
- No UV or near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Ideal for decorative and free-burning applications
- Lower thermal output (compared to the standard reference product)

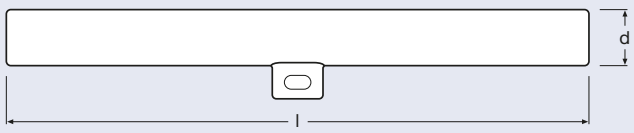
Applications
- For atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices

References
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/low-voltage-ledlamps

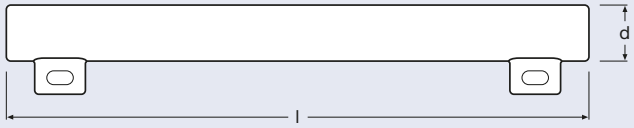
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

OSRAM LEDinestra® S14d



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]		
OSRAM LEDinestra® S14d											
LEDinestra WW FR S14d [1]	4008321**975331**	6	250	2700	88	S14d	no	298	30	5	NEW

OSRAM LEDinestra® S14s



Product reference	Product number	W	lm	K	Ra			l [mm]	d [mm]		
OSRAM LEDinestra® S14s											
LEDinestra WW FR S14s [1]	4008321**975317**	6	250	2700	88	S14s	no	298	30	5	NEW

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

Product characteristics
- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: of up to 12000 h
- Mercury-free lamp
- Color temperature: 2700 K

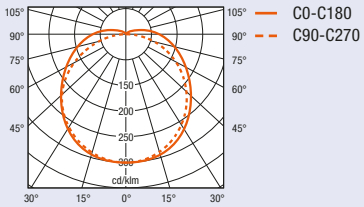
Product benefits
- Low energy consumption
- Longer service life of lamp compared to standard reference product
- No UV or near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Excellent color rendering
- Simple direct replacement of conventional incandescent lamps
- Lower thermal output (compared to the standard reference product)
- 3-year guarantee

Applications
- Ideal for mirror lighting
- Hotels, restaurants
- Domestic applications

References
- For guarantees, go to: www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/ledlamps

SubstiTUBE® Advanced, 2nd generation



Product reference	Product number	V	W	lm	K		Ra	l [mm]	d1 [mm]	d [mm]	°		
SubstiTUBE® Advanced ST8-HA2, 2nd generation													
ST8-HA2-120-830 1)	4008321**993410**	230	12 2)	1200 2)	3000	warm white	>80	590	27	28	120	25	NEW
ST8-HA2-120-840 1)	4008321**993434**	230	12 2)	1200 2)	4000	cool white	>80	590	27	28	120	25	NEW
ST8-HA2-120-850 1)	4008321**993458**	230	12 2)	1200 2)	5000	daylight	>80	590	27	28	120	25	NEW
SubstiTUBE® Advanced ST8-HA4, 2nd generation													
ST8-HA4-240-830 1)	4008321**993472**	230	24 2)	2400 2)	3000	warm white	>80	1200	27	28	120	25	NEW
ST8-HA4-240-840 1)	4008321**993496**	230	24 2)	2400 2)	4000	cool white	>80	1200	27	28	120	25	NEW
ST8-HA4-240-850 1)	4008321**993519**	230	24 2)	2400 2)	5000	daylight	>80	1200	27	28	120	25	NEW
SubstiTUBE® Advanced ST8-HA5, 2nd generation													
ST8-HA5-300-830 1)	4008321**993533**	230	30 2)	3000 2)	3000	warm white	>80	1500	27	28	120	25	NEW
ST8-HA5-300-840 1)	4008321**993557**	230	30 2)	3000 2)	4000	cool white	>80	1500	27	28	120	25	NEW
ST8-HA5-300-850 1)	4008321**993571**	230	30 2)	3000 2)	5000	daylight	>80	1500	27	28	120	25	NEW

Product characteristics
- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- LEDs with high efficiency
- Short end caps for continuous light band
- Up to 50 % more brightness than SubstiTUBE® Advanced (p. 206)
- Uniform illumination
- Wide beam angle of 120°
- VDE-certified safety (in preparation)
- Integrated ECG with high power factor
- Mercury-free and RoHS compliant
- Type of protection: IP20

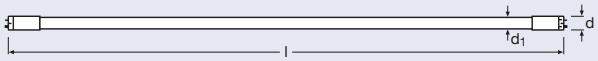
Product benefits
- Quick, simple and safe replacement without rewiring
- Up to 5 times longer lifetime 3) than standard fluorescent lamps and therefore lower maintenance costs
- Energy savings of up to 55 %
- Full brightness without start-up phase, therefore ideally suitable in combination with sensor technology
- Maximum resistance to switching loads
- Ideally suitable even at low temperatures

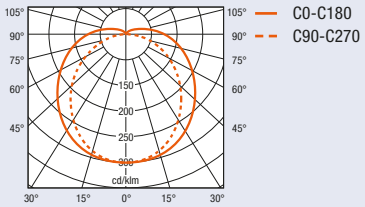
Applications
- Basic office illumination
- Factory lighting
- Utility rooms and stockrooms
- Logistics areas, transport facilities and corridors
- Indirect lighting and cove lighting in shops and restaurants

For current photometric data and important safety, installation and application information, see www.osram.com/substitube

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) Provisional values 3) Depending on the type of lamp and control gear

SubstiTUBE® Advanced





Product reference	Product number	V	W	lm	K		Ra	l [mm]	d1 [mm]	d [mm]	°	
SubstiTUBE® Advanced ST8-HA2												
ST8-HA2-67-830 [1]	4008321**980861**	230	11	670	3000	warm white	>80	590	26	28	120	10
ST8-HA2-67-840 [1]	4008321**980854**	230	11	670	4000	cool white	>80	590	26	28	120	10
ST8-HA2-83-750 [1]	4008321**980847**	230	11	830	5000	daylight	>70	590	26	28	120	10
SubstiTUBE® Advanced ST8-HA4												
ST8-HA4-135-830 [1]	4008321**980892**	230	21	1350	3000	warm white	>80	1200	26	28	120	10
ST8-HA4-135-840 [1]	4008321**980885**	230	21	1350	4000	cool white	>80	1200	26	28	120	10
ST8-HA4-165-750 [1]	4008321**980878**	230	21	1650	5000	daylight	>70	1200	26	28	120	10
SubstiTUBE® Advanced ST8-HA5												
ST8-HA5-165-830 [1]	4008321**980922**	230	25.5	1650	3000	warm white	>80	1500	26	28	120	10
ST8-HA5-165-840 [1]	4008321**980915**	230	25.5	1650	4000	cool white	>80	1500	26	28	120	10
ST8-HA5-205-750 [1]	4008321**980908**	230	25.5	2050	5000	daylight	>70	1500	26	28	120	10

Product characteristics
- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Bright, robust and durable
- Uniform illumination
- Wide beam angle of 120°
- VDE-certified safety (VDE-Reg.-Nr.: 40033714)
- Integrated ECG with high power factor
- Mercury-free and RoHS compliant
- Type of protection: IP20

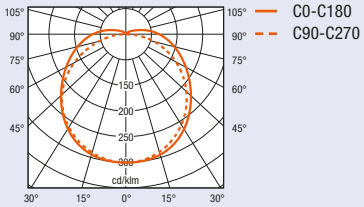
Product benefits
- Quick, simple and safe replacement without rewiring
- Up to 5 times longer lifetime [2] than standard fluorescent lamps and therefore lower maintenance costs
- Energy savings of up to 60 %
- Full brightness without start-up phase, therefore ideally suitable in combination with sensor technology
- Maximum resistance to switching loads
- Ideally suitable even at low temperatures

Applications
- General illumination within ambient temperatures from -25 °C to 50 °C
- Illumination of production areas
- Traffic zones and corridors
- Indirect lighting and cove lighting in shops and restaurants

For current photometric data and important safety, installation and application information, see www.osram.com/substitube

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) Depending on the type of lamp and control gear

SubstiTUBE® Basic



Product reference	Product number	V	W	lm	K		Ra	l [mm]	d [mm]			
SubstiTUBE® Basic ST8-HB2												
ST8-HB2-830 [1]	4008321**972538**	230	10	675	3000	warm white	>80	590	28	120	25	NEW
ST8-HB2-840 [1]	4008321**972545**	230	10	750	4000	cool white	>80	590	28	120	25	NEW
ST8-HB2-865 [1]	4008321**972569**	230	10	750	6500	daylight	>80	590	28	120	25	NEW
SubstiTUBE® Basic ST8-HB4												
ST8-HB4-830 [1]	4008321**972576**	230	20	1350	3000	warm white	>80	1200	28	120	25	NEW
ST8-HB4-840 [1]	4008321**972583**	230	20	1500	4000	cool white	>80	1200	28	120	25	NEW
ST8-HB4-865 [1]	4008321**972606**	230	20	1500	6500	daylight	>80	1200	28	120	25	NEW
SubstiTUBE® Basic ST8-HB5 [4]												
ST8-HB5-830 [1]	4008321**972613**	230	24 [2]	1650 [2]	3000	warm white	>80	1500	28	120	25	NEW
ST8-HB5-840 [1]	4008321**972620**	230	24 [2]	1850 [2]	4000	cool white	>80	1500	28	120	25	NEW
ST8-HB5-865 [1]	4008321**972644**	230	24 [2]	1850 [2]	6500	daylight	>80	1500	28	120	25	NEW

Product characteristics
- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Ideal for simple lighting tasks
- Uniform illumination
- Wide beam angle of 120°
- VDE-certified safety (in preparation)
- Integrated ECG with high power factor
- Mercury-free and RoHS compliant
- Type of protection: IP20

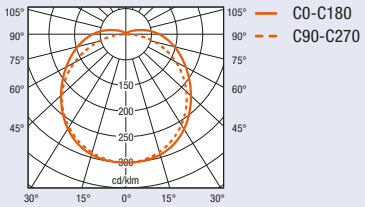
Product benefits
- Quick, simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Energy savings of up to 55 %
- Full brightness without start-up phase, therefore ideally suitable in combination with sensor technology
- Extremely low weight of 205 g [3]
- Maximum resistance to switching loads
- Ideally suitable even at low temperatures

Applications
- General illumination for open luminaires within ambient temperatures from -25 °C to 40 °C
- Cooling and storage rooms
- Corridors, stairways, parking garages
- Beverage vending machines

For current photometric data and important safety, installation and application information, see www.osram.com/substitube

1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.
2) Provisional values
3) For a length of 1200 mm
4) In preparation

SubstiTUBE® EXT Advanced



Product reference	Product number	I[mA]	W	lm	K		Ra	l [mm]	d1 [mm]	d [mm]	°		
SubstiTUBE® EXT Advanced ST8-EA2													
ST8-EA2-104-830 1)	4008321**984593**	350	11.5	1035	3000	warm white	>80	590	27	28	120	25	NEW
ST8-EA2-115-840 1)	4008321**984616**	350	11.5	1150	4000	cool white	>80	590	27	28	120	25	NEW
ST8-EA2-115-850 1)	4008321**984630**	350	11.5	1150	5000	daylight	>80	590	27	28	120	25	NEW
SubstiTUBE® EXT Advanced ST8-EA4													
ST8-EA4-230-830 1)	4008321**984678**	700	25.5	2300	3000	warm white	>80	1200	27	28	120	25	NEW
ST8-EA4-256-840 1)	4008321**984692**	700	25.5	2560	4000	cool white	>80	1200	27	28	120	25	NEW
ST8-EA4-256-850 1)	4008321**984715**	700	25.5	2560	5000	daylight	>80	1200	27	28	120	25	NEW
SubstiTUBE® EXT Advanced ST8-EA5													
ST8-EA5-288-830 1)	4008321**984753**	700	32	2880	3000	warm white	>80	1500	27	28	120	25	NEW
ST8-EA5-320-840 1)	4008321**984777**	700	32	3200	4000	cool white	>80	1500	27	28	120	25	NEW
ST8-EA5-320-850 1)	4008321**984791**	700	32	3200	5000	daylight	>80	1500	27	28	120	25	NEW

Product characteristics
- LED lamp for usage in luminaires with external ECG
- For professional LED luminaires, no need for expensive redesigns
- Uniform illumination
- 2-stage dimming in combination with the OTe family
- VDE-certified safety (in preparation)
- Mercury-free and RoHS compliant
- Type of protection: IP20

Product benefits
- Greater flexibility and lower development costs as there is no need to redesign the luminaire
- OPTOTRONIC® control gear complies with relevant standards, which simplifies luminaire certification
- OTe 13/220-240/350 SD, OTe 25/220-240/2x350 SD (p. 99) as well as OTe 35/220-240/700 SD and OTe 70/220-240/2x700 SD (p. 96)
- Ideal for applications with long operating times and difficult access for maintenance
- Maximum resistance to switching loads
- Ideally suitable even at low temperatures
- Full brightness without start-up phase, therefore ideally suitable in combination with sensor technology

Applications
- Sophisticated illumination within ambient temperatures from -25 °C to 60 °C
- Basic office illumination
- Illumination of production areas
- Storage rooms
- Logistics areas, transport facilities and corridors
- Indirect lighting and cove lighting in shops and restaurants

For current photometric data and important safety, installation and application information, see www.osram.com/substitube

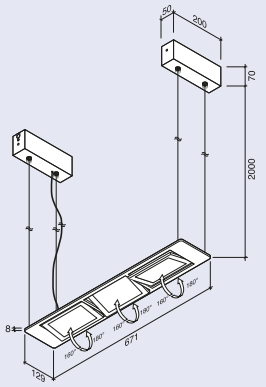
1) All the technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

LED luminaires

Futuristic design, extravagant interior. But only illumination can highlight the charms of a room. LED luminaires from OSRAM add atmosphere to architecture.

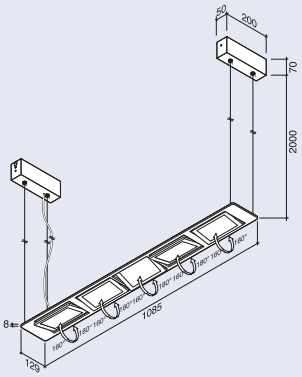
SILENTO™	212
TRESOL® Trio and TRESOL® Cube Trio	213
CALYX® Pendant	214
POWERstixx®	215
CALYX® Ceiling	216
TRESOL® Trio Ceiling and TRESOL® Cube Trio Ceiling	217
TRESOL® Cube	218
TRESOL® Bloc	219
LEDVANCE® COVELIGHT	220
LEDs DECO® FLEX	222
LEDVANCE® DOWNLIGHT S	223
LEDVANCE POLYBAR®	224
LUMINESTRA® LED	226
LUMINESTRA® eco LED	227
QOD®	228
QOD DOMINO®	229
Slim Shape LED	230
LED Cone	232
LED Disk	233
LEDVANCE® POWERSPOT	234
LEDVANCE® SPOTLIGHT	236
LEDVANCE® DOWNLIGHT	237
QOD® S, M, L	242
TRESOL® 10W	243
LED TRESOL® 4.5W	244
KIT LED	245
BEETLED®	247
ORBIS®	248
LUNETTA® LED and LUNETTA® LED Colormix	249
NIGHTLUX®	250
LEDstixx®	251
SPYLUX®	252
DOT-it®	253
SIRIUS®	256
CROSSER®	258
LED garlands	262
NOXLITE®	265

SILENTO™



All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	K	°	
SILENTO™ Poco									
SILENTO Poco	4008321**985651**	white	25000	18	220-240	900	3000	120	2x1



All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	K	°	
SILENTO™ Lungo									
SILENTO Lungo	4008321**985668**	white	25000	30	220-240	1500	3000	120	2x1

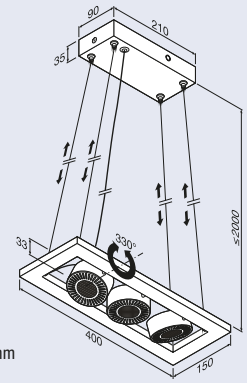
SILENTO™ pendant luminaires with adjustable 7" LED panels which create direct and indirect warm-white light atmosphere. The 7" panels are rotatable, so that a turn of 180° enables indirect lighting. Pendant kit enables to justify the length of the suspension easily during installation. The panels are rotatable independently from each other.

Features and benefits

- LED technology which provides long lifetime
- Ultra-thin purist design
- Panel technology which creates harmonious light
- Rotatable panels
- Indirect and direct lighting

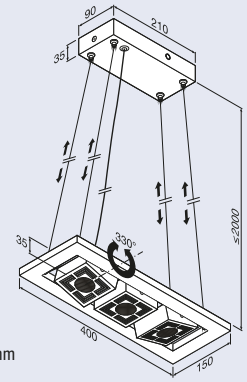
IP20 220–240 V 50/60 Hz

TRESOL® Trio and TRESOL® Cube Trio



All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K		
TRESOL® Trio								
TRESOL Trio	4008321**985477**	silver/white	25000	3x4.5	3x165	3000	30	4x1



All figures in mm

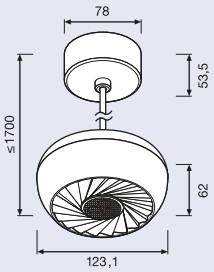
Product reference	Product number	COLOR	t [h]	W	lm	K		
TRESOL® Cube Trio								
TRESOL Cube Trio	4008321**985491**	silver/white	25000	3x4.5	3x165	3000	30	4x1

Features and benefits

- Ideal for dining rooms, kitchen tables
- Pendant LED luminaires with aluminum frame in high-value design
- Round or square modules
- Adjustable modules (330°) for easy direction of light output
- Adjustable in height via easy pendant kit
- High-power LED for high light output

IP20 220–240 V ~50–60 Hz

CALYX® Pendant



All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K	∠°	
CALYX® Pendant								
CALYX Pendant	4008321**984333**	white	25000	10	385	3000	35	4x1

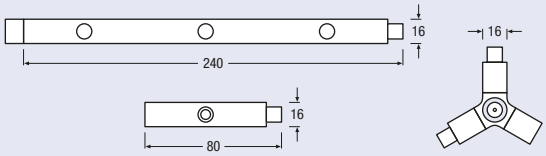
The CALYX® range includes a pendant and a ceiling luminaire. The modern and dynamic design and the small size are ideal to highlight tables, bars and side boards with warm-white spotlight illumination.
LED driver is included in the luminaire body.

Features and benefits
- Dimmable[1)]
- Small-sized
- Unique design
- Easy mounting

CE IP20 220–240 V ~50–60 Hz [1)]

1) www.osram.com/luminaires

POWERstixx®



All figures in mm

Product reference	Product number	COLOR	t [h]	lm	K	W		
POWERstixx®								
POWERstixx Set	4008321**962874**	silver	30000	3x220	3000	3x4.7	60	4x1
POWERstixx Add-on	4008321**962898**	silver	30000	220	3000	4.7	60	6x1

The innovative modular LED luminaire system POWERstixx® makes aesthetic light solutions possible which are both individual and variable for almost any lighting task.

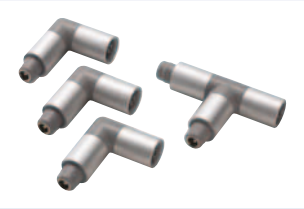
Features and benefits

- Designer luminaire system for stylish and fascinating lighting
- Clear, modern design
- Flexible luminaire forms – either linear or Y shape
- POWERstixx® Set comprising 3 independently adjustable LED modules, can be expanded to a maximum of 5 LED modules at any time with POWERstixx® Add-on
- Unique luminaire structure (e.g. square arrangements) thanks to POWERstixx® Connector Set (3x90° connector, 1 T connector)
- POWERstixx® can be converted into a pendant luminaire with the POWERstixx® Pendant Kit by means of 2 adjustable ceiling hangers

IP20 220–240 V 50 Hz

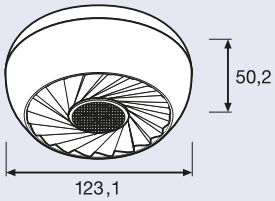
POWERstixx® accessories

Product reference	Product number	COLOR	
POWERstixx® Connector Set			
POWERstixx Connector Set	4008321**960566**	silver	6x1



Product reference	Product number	COLOR	l [mm]	
POWERstixx® Pendant Kit				
POWERstixx Pendant Kit	4008321**960559**	silver	2000	6x1

CALYX® Ceiling



All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K		
CALYX® Ceiling								
CALYX Ceiling	4008321**984142**	white	25000	10	385	3000	35	4x1

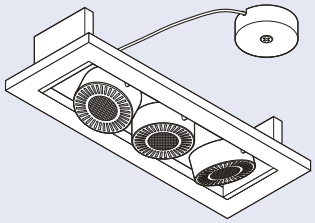
The CALYX® range includes a pendant and a ceiling luminaire. The modern and dynamic design and the small size are ideal to highlight tables, bars and side boards with warm-white spotlight illumination. LED driver is included in the luminaire body.

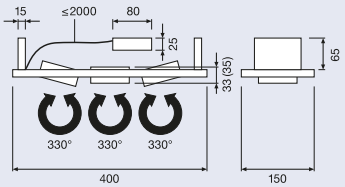
Features and benefits
- Dimmable[1)]
- Small-sized
- Unique design
- Easy mounting

IP20 220–240 V ~50–60 Hz [1)]

1) www.osram.com/luminaires

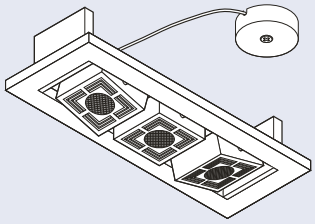
TRESOL® Trio Ceiling and TRESOL® Cube Trio Ceiling

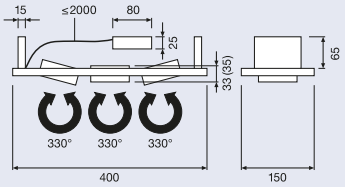




All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K	∡°	
TRESOL® Trio Ceiling								
TRESOL Trio Ceiling	4008321**989314**	silver/white	25000	3x4.5	3x165	3000	30	4x1





All figures in mm

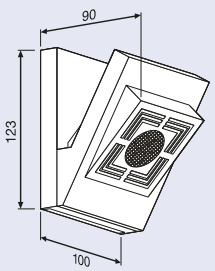
Product reference	Product number	COLOR	t [h]	W	lm	K	∡°	
TRESOL® Cube Trio Ceiling								
TRESOL Cube Trio Ceiling	4008321**989307**	silver/white	25000	3x4.5	3x165	3000	30	4x1

Features and benefits

- Ideal for living rooms, corridors
- Ceiling LED luminaires with aluminum frame in high-value design
- Round or square modules
- Adjustable modules (330°) for easy direction of light output
- High-power LED for high light output

IP20 220–240 V ~50–60 Hz

TRESOL® Cube



All figures in mm

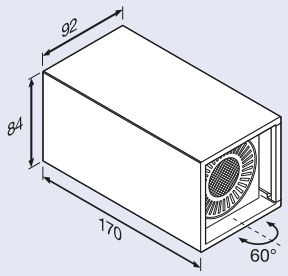
Product reference	Product number	COLOR	t [h]	W	lm	K		
TRESOL® Cube								
TRESOL Cube	4008321**985507**	silver	25000	4.5	165	3000	30	4x1
TRESOL Cube White	4008321**997821**	white	25000	4.5	165	3000	30	4x1

The aluminum LED wall luminaire TRESOL® Cube is suitable for small rooms like corridors with warm-white spotlight illumination. LED driver is included in the luminaire body.

Features and benefits
- Aluminum
- Compact design
- Easy mounting

IP20 220–240 V ~50–60 Hz

TRESOL® Bloc



All figures in mm

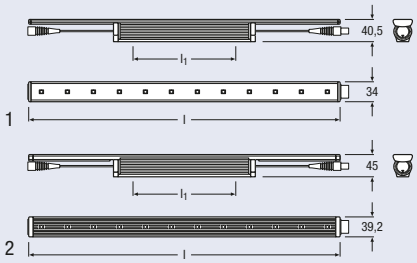
Product reference	Product number	COLOR	t [h]	W	lm	K	
TRESOL® Bloc							
TRESOL Bloc	4008321**985484**	brushed aluminum	25000	2x4.5	2x165	3000	4x1
TRESOL Bloc white	4008321**990143**	white	25000	2x4.5	2x165	3000	4x1

Features and benefits

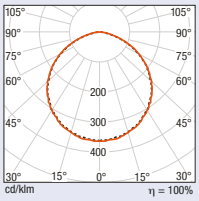
- High-value aluminum LED wall luminaire
- Up- and downlight with adjustable light beams (60°)
- Equipped with 2x4.5 W high-power OSRAM Golden DRAGON® Plus LED
- High light output for decorative effects for walls and useful for orientation
- Ideal for living rooms, dining rooms, bedrooms, entrances
- No external ECG. Wiring via cable inlet on each side possible, or mounting directly on the power outlet in the wall.
- Horizontal or vertical mounting for different light atmospheres

IP20 220–240 V ~50–60 Hz

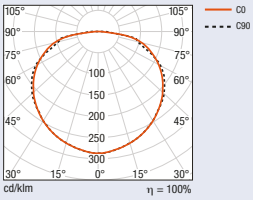
LEDVANCE® COVELIGHT



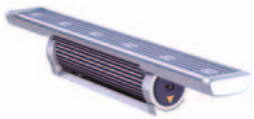
All figures in mm



COVELIGHT ECO



COVELIGHT DIM



COVELIGHT DIM

Product reference	Product number	COLOR	W	K	lm	Ra			l [mm]	l1 [mm]		No.
LEDVANCE® COVELIGHT S												
Covelight S 827 ECO	4008321**669759**	aluminum	3.5	2700	170	> 80	120	No	305	100	4x1	1
Covelight S 830 ECO	4008321**669780**	aluminum	3.5	3000	170	> 80	120	No	305	100	4x1	1
Covelight S 840 ECO	4008321**669810**	aluminum	3.5	4000	170	> 80	120	No	305	100	4x1	1
Covelight S 827 DIM	4008321**669841**	aluminum	7	2700	320	> 80	150	Yes	305	100	4x1	2
Covelight S 830 DIM	4008321**981950**	aluminum	7	3000	320	> 80	150	Yes	305	100	4x1	2
Covelight S 840 DIM	4008321**669896**	aluminum	7	4000	320	> 80	150	Yes	305	100	4x1	2
LEDVANCE® COVELIGHT M												
Covelight M 827 ECO	4008321**669926**	aluminum	7	2700	340	> 80	120	No	610	230	4x1	1
Covelight M 830 ECO	4008321**669957**	aluminum	7	3000	340	> 80	120	No	610	230	4x1	1
Covelight M 840 ECO	4008321**669988**	aluminum	7	4000	340	> 80	120	No	610	230	4x1	1
Covelight M 827 DIM	4008321**670014**	aluminum	14	2700	640	> 80	150	Yes	610	200	4x1	2
Covelight M 830 DIM	4008321**981974**	aluminum	14	3000	640	> 80	150	Yes	610	200	4x1	2
Covelight M 840 DIM	4008321**670069**	aluminum	14	4000	640	> 80	150	Yes	610	200	4x1	2
LEDVANCE® COVELIGHT L												
Covelight L 827 DIM	4008321**670182**	aluminum	21	2700	960	> 80	150	Yes	915	350	4x1	2
Covelight L 830 DIM	4008321**981967**	aluminum	21	3000	960	> 80	150	Yes	915	350	4x1	2
Covelight L 840 DIM	4008321**670236**	aluminum	21	4000	960	> 80	150	Yes	915	350	4x1	2

LEDVANCE® COVELIGHT accessories

Product reference	Product number	COLOR	l [mm]	
LEDVANCE® COVELIGHT cables				
Covelight Entry Cable EU	4008321**685421**	gray	2000	20x1
Covelight Entry Cable UK	4008321**685445**	gray	2000	20x1
Covelight Connection Cable	4008321**685469**	gray	1000	20x1

Product features

- Phase-cut dimmable (DIM)
- Lengths available: 305 mm (S), 610 mm (M), 915 mm (L)
- Luminaire efficacy > 45 lm/W
- Color rendering index $R_a \geq 80$
- Rotation: ± 90° (adjustable in 10° increments)
- Luminaire color: aluminum
- Color temperature: 2700 K, 3000 K (warm white) or 4000 K (neutral white)
- Beam angles: 120° (ECO), 150° (DIM)
- Average life: 50000 h
- Type of protection: IP20
- 5-year guarantee

For details and conditions see www.osram.com/guarantee

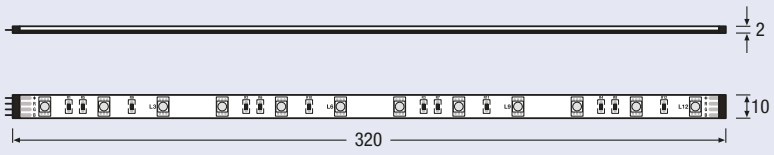
Product benefits

- Serial connection up to 90 m (ECO) for light band applications
- State-of-the-art OSRAM Golden DRAGON® Plus for excellent illumination
- Efficient replacement of fluorescent systems
- Plug-and-play system allows easy installation (direct mains voltage)
- Low profile and three different lengths for maximum flexibility
- Maximum flexibility due to a range of accessories
- UV-/IR-free illumination
- Nearly maintenance-free within the luminaire lifetime

IP20 | 850° | 0...+45 °C | 220–240 V | 50–60 Hz

For further information and/or detailed product data sheets, please go to: www.osram.com/covelight

LEDs DECO® FLEX



All figures in mm

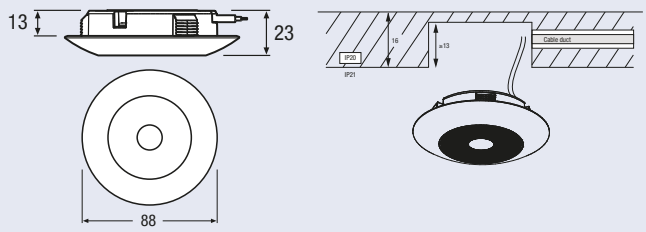
Product reference	Product number	COLOR		W	
LEDs DECO® FLEX					
LEDs DECO FLEX Set	4008321**524348**	transparent/white	RGB	3x1.8	4x1
LEDs DECO FLEX Add-on	4008321**524409**	transparent/white	RGB	2x1.8	6x1
LEDs DECO FLEX Extension Kit	4008321**972064**	transparent/white	–	–	6x1

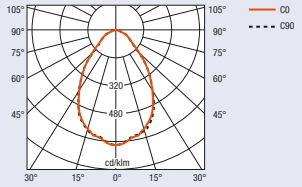
There is practically no end to the range of applications for the new flexible light strips. Used as decorative background lighting, for illuminating wall shelves or display cabinets or mounted over mirrors, pictures and wall features: whatever the application, LEDs DECO® FLEX can be positioned nearly anywhere.

Features and benefits
- Flexible, bendable LED strips
- Color change
- Can be cut to length to fit any shelving or any corner perfectly
- Can be extended to an overall length of up to 3 m
- The Plug & Light Set contains 3 LED strips, a remote control, ECG and connectors
- LEDs DECO® FLEX Add-on contains 2 LED strips and connectors
- LEDs DECO® FLEX Extension Kit contains 1 m extension cable

IP20 | ...+25 °C | 110–240 V | 50/60 Hz | 113°

LEDVANCE® DOWNLIGHT S





All figures in mm

Product reference	Product number	COLOR		lm	cd	W	K	
LEDVANCE® DOWNLIGHT S								
LEDVANCE DOWNLIGHT S 830 L80 AL	4008321**968623**	aluminum	830	325	214	6.5	3000	4x1
LEDVANCE DOWNLIGHT S 830 L80 WT	4008321**968630**	white	830	325	214	6.5	3000	4x1
LEDVANCE DOWNLIGHT S 840 L80 AL	4008321**968647**	aluminum	840	325	214	6.5	4000	4x1
LEDVANCE DOWNLIGHT S 840 L80 WT	4008321**968654**	white	840	325	214	6.5	4000	4x1

LEDVANCE® DOWNLIGHT S is a recessed LED furniture luminaire with particularly small dimensions and can be used as a replacement for 20 W low-voltage halogen spots. Thanks to its shallow mounting depth, it can be fitted on the underside of kitchen shelving and still leave the entire top surface usable. LEDVANCE® DOWNLIGHT S can be connected directly to 220–240 V and uses the classic side holes in the shelves so installation is really simple. For standard installations with break-through, the cable can be re-routed upward in one easy action without the need for tools.

For further information and/or detailed product data sheets, please go to:
www.osram.com/ledvance-downlight-s

LEDVANCE OSRAM Guarantee 5

For details and conditions, see
www.osram.com/guarantee

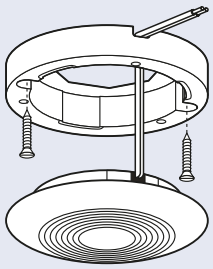
Features and benefits

- Energy-saving recessed furniture luminaire equipped with OSLON® LED from OSRAM
- Very compact LED luminaire. Can be integrated in 16 mm shelving and kitchen cupboards with standard 8 mm cable ducts.
- Can be used as replacement for 20 W low-voltage halogen applications
- Emits less heat than classic halogen luminaires
- Direct connection to 220–240 V
- Suitable for different applications thanks to flexible positioning of the cable outlet
- Mounting diameter 68 mm
- Ring colors in white matt or anodized aluminum
- Color temperatures warm white (3000 K) and neutral white (4000 K)

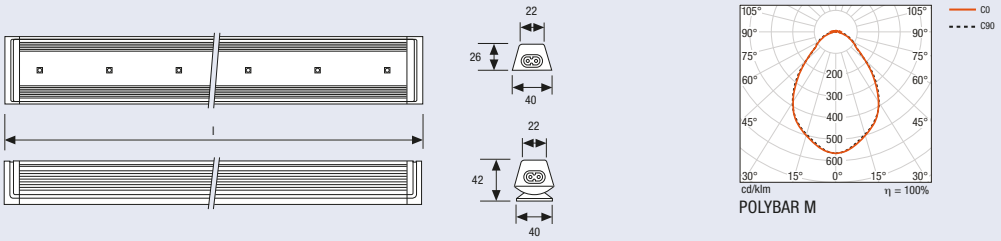
IP21 | 960 °C | 68 | 220–240 V | 50–60 Hz | 80°

LEDVANCE® DOWNLIGHT S accessories

Product reference	Product number	COLOR	h [mm]	d [mm]	
LEDVANCE® DOWNLIGHT S accessories					
LEDVANCE DOWNLIGHT S AL CANOPY 4X1 OSRAM	4008321**691385**	aluminum	15	89	4x1
LEDVANCE DOWNLIGHT S WT CANOPY 4X1 OSRAM	4008321**691345**	white	15	89	4x1



LEDVANCE POLYBAR®



All figures in mm

Product reference	Product number	COLOR	lm	K	Ra	W	l [mm]	
Warm white								
POLYBAR S 830 L80	4008321**963338**	aluminum	350	3000	80	6	250	4x1
POLYBAR M 830 L80	4008321**963345**	aluminum	700	3000	80	12	500	4x1
POLYBAR L 830 L80	4008321**962386**	aluminum	1050	3000	80	18	750	4x1
Neutral white								
POLYBAR S 840 L80	4008321**962393**	aluminum	350	4000	80	6	250	4x1
POLYBAR M 840 L80	4008321**962409**	aluminum	700	4000	80	12	500	4x1
POLYBAR L 840 L80	4008321**962416**	aluminum	1050	4000	80	18	750	4x1
Cold white								
POLYBAR S 850 L80	4008321**962423**	aluminum	350	5000	80	6	250	4x1
POLYBAR M 850 L80	4008321**962430**	aluminum	700	5000	80	12	500	4x1
POLYBAR L 850 L80	4008321**962447**	aluminum	1050	5000	80	18	750	4x1

Variable modular system of linear LED luminaires with integrated control gear including connectors for professional shelf/furniture lighting, cove lighting or for illuminating work surfaces. Up to 20 m long installations are perfectly lit thanks to the latest generation of high-flux OSRAM OSLON LEDs.

LEDVANCE® OSRAM Guarantee 5

For details and conditions, see www.osram.com/guarantee

Features and benefits

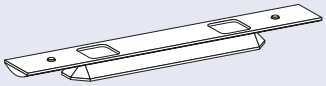
- Available in 3 different lengths (250 mm, 500 mm and 750 mm) for different applications
- Simple connection thanks to integrated connector system
- Average life 50000 hours
- 2 different systems for surface mounting: either with brackets (incl.) or swivel base (accessory) ± 20°
- Direct connection to the AC power supply thanks to integrated control gear

IP20 | 960 °C | 0...+45 °C | 220–240 V | 50–60 Hz | 80°

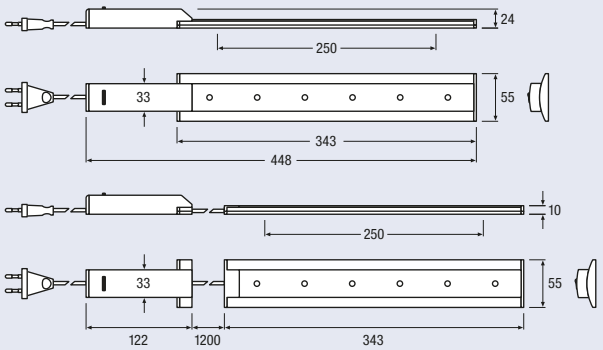
For further information and/or detailed product data sheets, please go to:
www.osram.com/polybar

LEDVANCE POLYBAR® accessories

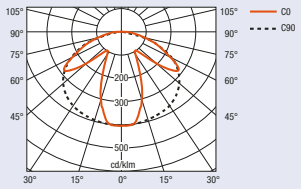
Product reference	Product number	COLOR	l [mm]	b [mm]	h [mm]	
LEDVANCE POLYBAR® swivel base						
POLYBAR Swivel Base S	4008321**626400**	aluminum	250	40	12	4x1
POLYBAR Swivel Base M	4008321**626431**	aluminum	500	40	12	4x1
POLYBAR Swivel Base L	4008321**626462**	aluminum	750	40	12	4x1
LEDVANCE POLYBAR® cables						
POLYBAR Entry Cable EU	4008321**626493**	gray	2000	–	–	20x1
POLYBAR Entry Cable UK	4008321**626516**	gray	2000	–	–	20x1
POLYBAR Connection Cable	4008321**626530**	gray	250	–	–	20x1
POLYBAR Connection Cable	4008321**626554**	gray	50	–	–	20x1
POLYBAR Connection Cable	4008321**626578**	gray	1000	–	–	20x1



LUMINESTRA® LED

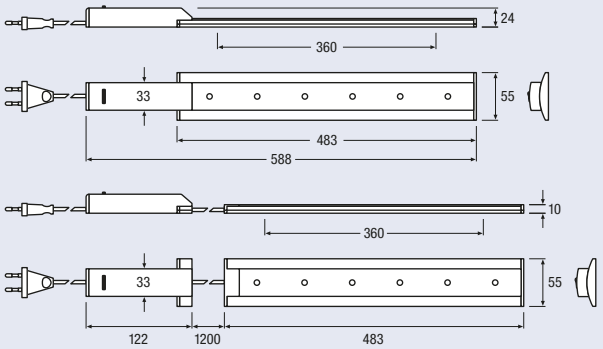


All figures in mm

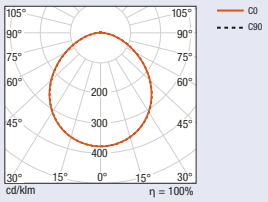


LUMINESTRA® LED 8 W

Product reference	Product number	Ordering number	COLOR	W		lm	K		
LUMINESTRA® LED 8W									
LUMINESTRA LED 8W 3000K	4008321**524461**	73092	white	8	830	435	3000	80	4x1
LUMINESTRA LED 8W 4000K	4008321**524485**	73093	white	8	840	464	4000	80	4x1



All figures in mm



LUMINESTRA® LED 13 W

Product reference	Product number	Ordering number	COLOR	W		lm	K		
LUMINESTRA® LED 13W									
LUMINESTRA LED 13W 3000K	4008321**710581**	73096	white	13	830	960	3000	120	4x1
LUMINESTRA LED 13W 4000K	4008321**710604**	73097	white	13	840	960	4000	120	4x1

LUMINESTRA® LED is impressive for its low-profile design and excellent UV-free illumination of surfaces. The OSRAM control gear is tailored to the LED and therefore sets new standards in energy efficiency.

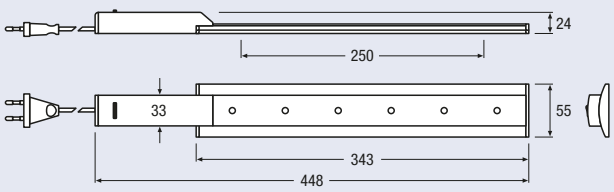
Features and benefits

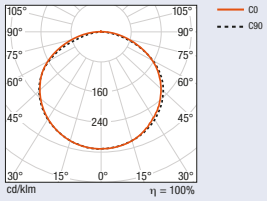
- High-quality aluminum casing
- Opaque cover for a glare-free illumination
- Integrated on/off switch
- Ready to install with 1.6 m of cable and plug
- The luminaire can also be operated with separate control gear
- Equipped with LED, either 3000 K or 4000 K

IP20 | 650 °C | 220–240 V | 50–60 Hz

electronic comfort light

LUMINESTRA® eco LED





All figures in mm

Product reference	Product number	COLOR	W		lm	K	
LUMINESTRA® eco LED							
LUMINESTRA eco LED 7W 3000K	4006584**922963**	white	7	830	375	3000	4x1
LUMINESTRA eco LED 7W 4000K	4006584**922987**	white	7	840	395	4000	4x1

LUMINESTRA® eco LED is impressive for its low-profile design and excellent UV-free illumination of surfaces. The OSRAM control gear is tailored to the Golden DRAGON® Plus LED and therefore sets new standards in energy efficiency.

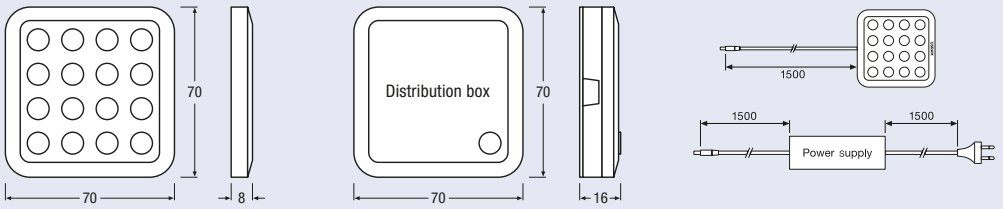
For further information and/or detailed product data sheets, please go to: www.osram.com/luminestra-led

Features and benefits

- High-quality aluminum casing
- Opaque cover for a glare-free illumination
- Integrated on/off switch
- Ready to install with 1.6 m of cable and plug
- Equipped with Golden DRAGON® LED, either 3000 K or 4000 K

IP20 | 650 °C | 220–240 V | 50–60 Hz | 120°

QOD®



QOD® Starter Set

All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	K	∠°	
QOD®									
QOD Starter Set	4008321**962911**	white	30000	3x3.5	220-240	3x150	3000	45	4x1
QOD Add-on	4008321**962935**	white	30000	3.5	12	150	3000	45	6x1
QOD CHROME Starter Set	4008321**646958**	chrome	30000	3x3.5	220-240	3x150	3000	45	4x1
QOD CHROME Add-on	4008321**646972**	chrome	30000	3.5	12	150	3000	45	6x1
QOD EXTENSION CABLE 1.5 m	4008321**972842**	white	–	–	12	–	–	–	6x1

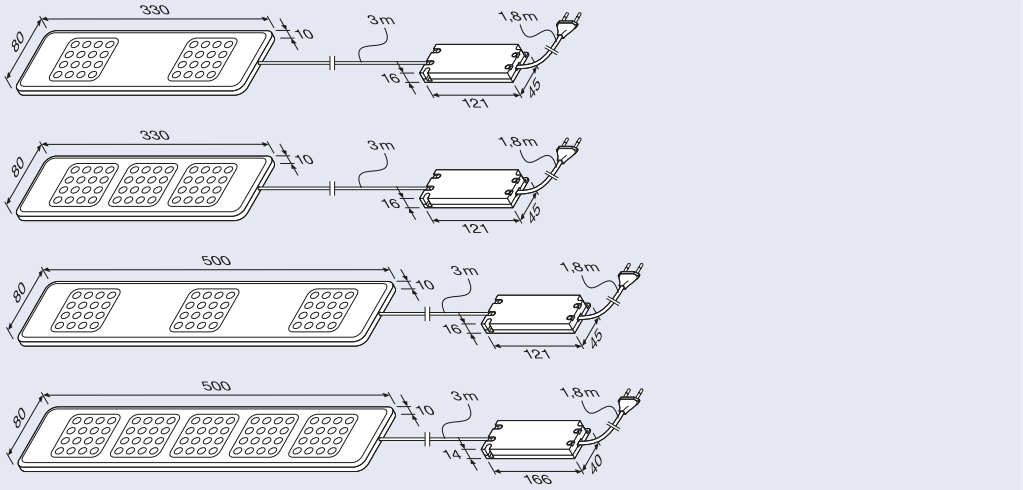
The elegant square LED surface-mounted QOD® module is the perfect lighting choice for confined spaces. Thanks to the ultra-flat configuration, clean design and 16 high-power LEDs, the Plug & Light light tiles blend discreetly into any environment, yet provide powerful light.

Features and benefits

- Super flat luminaire (only 8 mm thick)
- Energy saving through LED technology
- QOD® Starter Set contains 3 QOD® luminaires, ECG, EU plug and distribution box with an integrated switch
- Distribution box provides a simple way to expand the system to a maximum of 5 luminaires (QOD® Add-on)
- Mounting possibilites: adhesive tape or screws
- Luminaire is available in 2 colors: white and chrome
- Quick and simple installation: Plug & Light

IP20 50/60 Hz

QOD DOMINO®



All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K	∠°	
QOD DOMINO®								
QOD DOMINO short 2x4W	4008321**974983**	white	30000	8	300	3000	45	6x1
QOD DOMINO short 3x4W	4008321**975010**	white	30000	12	450	3000	45	6x1
QOD DOMINO long 3x4W	4008321**975041**	white	30000	12	450	3000	45	6x1
QOD DOMINO long 5x4W	4008321**975072**	white	30000	20	750	3000	45	6x1

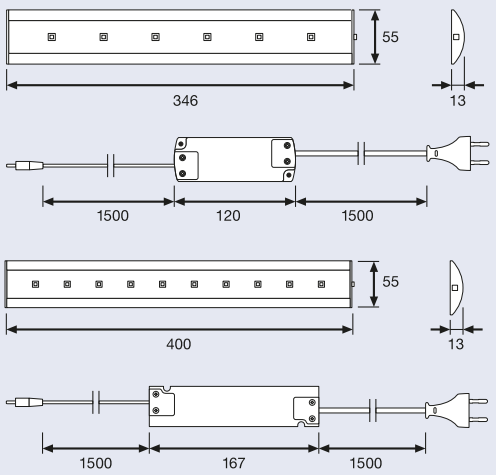
LED family QOD DOMINO® consits of four ultra-slim and elegant light bars in three power output levels and has two lengths. Thanks to its slim profile and compact dimensions, each family member integrates very discreetly into any environment, such as base cabinets in the kitchen, shelves, wardrobes or niches.

Features and benefits

- Characteristic stylish design
- Extremely low-profile (only 10 mm)
- Energy saving through LED technology
- Brilliant warm-white light (3000 K)
- QOD DOMINO® contains a light bar with integrated switch, ECG and EU plug
- Quick and simple installation: Plug & Light
- Integrated on/off switch

IP20 | 220–240 V | 50/60 Hz

Slim Shape LED



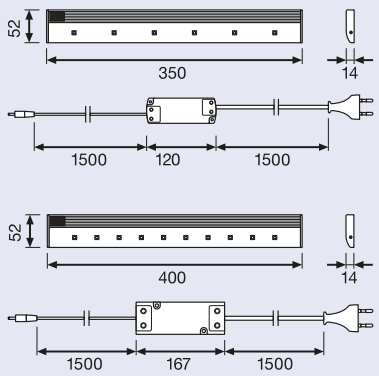
All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K		
Slim Shape LED								
Slim Shape LED I 8W	4008321**977519**	silver/matt	20000	8	420	3000	115	4
Slim Shape LED I 13W	4008321**974501**	silver/matt	20000	13	630	3000	115	4

Features and benefits
- Extremely thin and smart batten luminaire
- High brightness with high-power LEDs
- High-value appearance and durability
- Easy installation: Plug & Light
- Optics to cover LED and distribute light
- Wide beam angle >115°
- External driver with 1.5 m cable on each side
- On/off switch

IP20 220–240 V 50/60 Hz

Slim Shape LED Sensor



All figures in mm

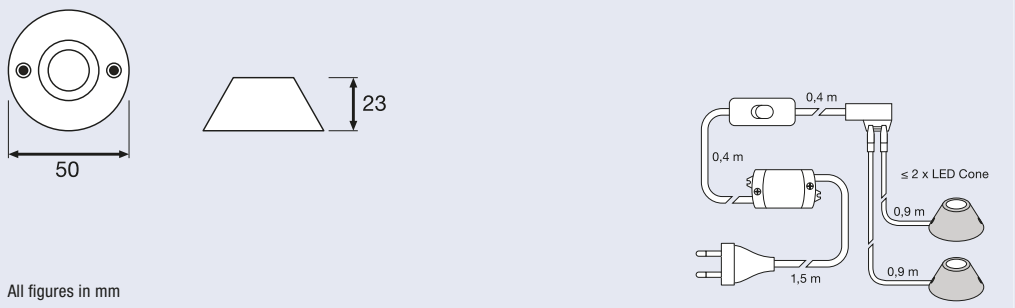
Product reference	Product number	COLOR	t [h]	W	lm	K	°	
Slim Shape LED Sensor								
Slim Shape LED 8W Sensor	4008321**975164**	silver/matt	20000	8	510	3000	14	4
Slim Shape LED 13W Sensor	4008321**975195**	silver/matt	20000	13	680	3000	14	4

Features and benefits

- Extremely thin and smart batten luminaire with sensor
- Hygienic, touchless switching via very reliable and accurate sensor
- High brightness with high-power LEDs
- High-value appearance and durability
- Easy installation: Plug & Light
- Optics to cover LED and distribute light
- Wide beam angle > 111°
- External driver with 1.5 m cable on each side

IP20 220–240 V 50/60 Hz

LED Cone



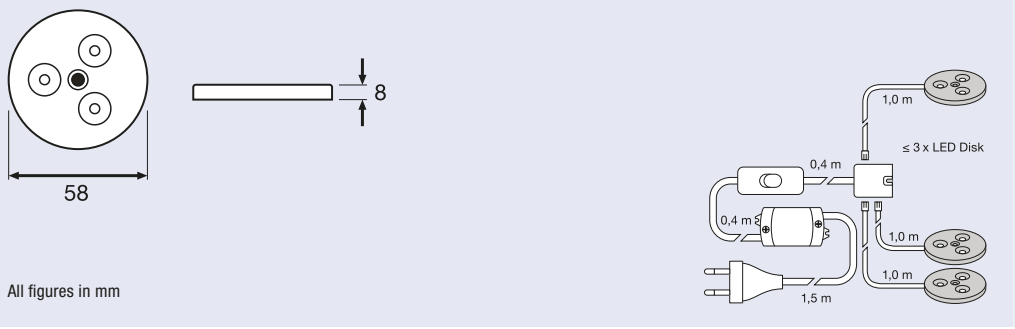
All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K	∠°	
LED Cone								
LED Cone	4008321**624185**	silver	30000	2x1	2x55	3000	40	6

Features and benefits
- LED downlight in cone form
- Aluminum housing
- Easy installation: Plug & Light
- Mounting with screws, no cut-out necessary
- External ECG with 1.5 m cable on primary side, and 1.3 m cable on secondary side

IP20 220–240 V 50 Hz

LED Disk



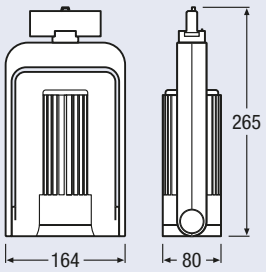
Product reference	Product number	COLOR	t [h]	W	lm	K	°	
LED Disk								
LED Disk	4008321**624154**	silver	30000	3x2.3	3x120	3000	100	6

Features and benefits

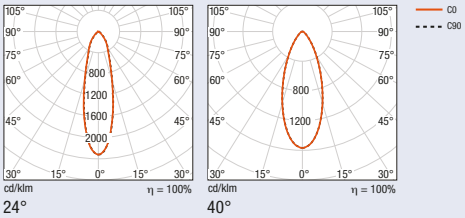
- Small and slim LED downlight in round aluminum shape
- Easy installation: Plug & Light
- Through-wiring or connection via distributor, for more flexibility in more application situations
- Mounting with screw or with adhesive tape, no cut-outs necessary

IP20 220–240 V 50/60 Hz

LEDVANCE® POWERSPOT XL, XXL

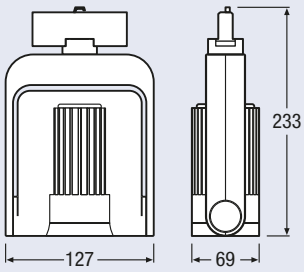


All figures in mm

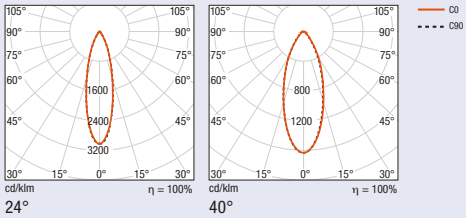


Product reference	Product number	COLOR	W	K	lm	cd	lm/W	Ra	∠°	
LEDVANCE® POWERSPOT XL										
POWERSPOT XL 840 L24 WT	4008321**647924**	white	28	4000	1800	4300	62	> 85	24	4x1
POWERSPOT XL 840 L24 AL	4008321**648006**	aluminum	28	4000	1800	4300	62	> 85	24	4x1
POWERSPOT XL 840 L24 BK	4008321**678836**	black	28	4000	1800	4300	62	> 85	24	4x1
POWERSPOT XL 840 L40 WT	4008321**981929**	white	28	4000	1800	2600	62	> 85	40	4x1
POWERSPOT XL 840 L40 AL	4008321**648020**	aluminum	28	4000	1800	2600	62	> 85	40	4x1
POWERSPOT XL 840 L40 BK	4008321**678850**	black	28	4000	1800	2600	62	> 85	40	4x1
POWERSPOT XL 930 L24 WT	4008321**647900**	white	28	3000	1800	4300	62	> 90	24	4x1
POWERSPOT XL 930 L24 AL	4008321**647962**	aluminum	28	3000	1800	4300	62	> 90	24	4x1
POWERSPOT XL 930 L24 BK	4008321**678799**	black	28	3000	1800	4300	62	> 90	24	4x1
POWERSPOT XL 930 L40 WT	4008321**981912**	white	28	3000	1800	2600	62	> 90	40	4x1
POWERSPOT XL 930 L40 AL	4008321**647986**	aluminum	28	3000	1800	2600	62	> 90	40	4x1
POWERSPOT XL 930 L40 BK	4008321**678812**	black	28	3000	1800	2600	62	> 90	40	4x1
LEDVANCE® POWERSPOT XXL										
POWERSPOT XXL 840 L24 WT	4008321**648082**	white	44	4000	2500	5800	57	> 85	24	4x1
POWERSPOT XXL 840 L24 AL	4008321**648167**	aluminum	44	4000	2500	5800	57	> 85	24	4x1
POWERSPOT XXL 840 L24 BK	4008321**678911**	black	44	4000	2500	5800	57	> 85	24	4x1
POWERSPOT XXL 840 L40 WT	4008321**981943**	white	44	4000	2500	3900	57	> 85	40	4x1
POWERSPOT XXL 840 L40 AL	4008321**648181**	aluminum	44	4000	2500	3900	57	> 85	40	4x1
POWERSPOT XXL 840 L40 BK	4008321**678935**	black	44	4000	2500	3900	57	> 85	40	4x1
POWERSPOT XXL 930 L24 WT	4008321**648044**	white	46	3000	2500	5800	55	> 90	24	4x1
POWERSPOT XXL 930 L24 AL	4008321**648129**	aluminum	46	3000	2500	5800	55	> 90	24	4x1
POWERSPOT XXL 930 L24 BK	4008321**678874**	black	46	3000	2500	5800	55	> 90	24	4x1
POWERSPOT XXL 930 L40 WT	4008321**981936**	white	46	3000	2500	3900	55	> 90	40	4x1
POWERSPOT XXL 930 L40 AL	4008321**648143**	aluminum	46	3000	2500	3900	55	> 90	40	4x1
POWERSPOT XXL 930 L40 BK	4008321**678898**	black	46	3000	2500	3900	55	> 90	40	4x1

LEDVANCE® POWERSPOT M



All figures in mm



Product reference	Product number	COLOR	W	K	lm	cd	lm/W	Ra	°	
LEDVANCE® POWERSPOT M										
POWERSPOT M 840 L24 WT	4008321**647740**	white	11	4000	700	2100	64	> 85	24	4x1
POWERSPOT M 840 L24 AL	4008321**647849**	aluminum	11	4000	700	2100	64	> 85	24	4x1
POWERSPOT M 840 L24 BK	4008321**678737**	black	11	4000	700	2100	64	> 85	24	4x1
POWERSPOT M 840 L40 WT	4008321**647788**	white	11	4000	700	1150	64	> 85	40	4x1
POWERSPOT M 840 L40 AL	4008321**647863**	aluminum	11	4000	700	1150	64	> 85	40	4x1
POWERSPOT M 840 L40 BK	4008321**678751**	black	11	4000	700	1150	64	> 85	40	4x1
POWERSPOT M 930 L24 WT	4008321**647672**	white	11	3000	700	2100	64	> 90	24	4x1
POWERSPOT M 930 L24 AL	4008321**647801**	aluminum	11	3000	700	2100	64	> 90	24	4x1
POWERSPOT M 930 L24 BK	4008321**678690**	black	11	3000	700	2100	64	> 90	24	4x1
POWERSPOT M 930 L40 WT	4008321**647726**	white	11	3000	700	1150	64	> 90	40	4x1
POWERSPOT M 930 L40 AL	4008321**647825**	aluminum	11	3000	700	1150	64	> 90	40	4x1
POWERSPOT M 930 L40 BK	4008321**678713**	black	11	3000	700	1150	64	> 90	40	4x1

Product features

- Universal 3-phase track adapter
- Luminaire efficacy up to 64 lm/W
- Color rendering index up to R_a > 90
- Active color stabilization system
- Rotation: 350°, pivoting: +/- 60°
- Luminaire color:
  signal white (RAL 9003) or white aluminum (RAL 9006)
- Color temperature:
  3000 K (warm white) or 4000 K (neutral white)
- Beam angles: 24° and 40°
- Average life: 50000 h
- Type of protection: IP20
- 5-year guarantee

For details and conditions, see
www.osram.com/guarantee

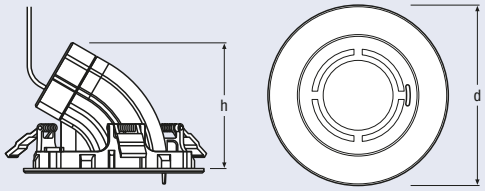
Product benefits

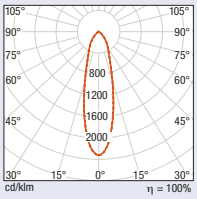
- State-of-the-art OSRAM PrevaLED® HD system for excellent illumination
- Awarded with the iF Design Award 2012
- Efficient replacement of HID systems
- High energy savings compared to halogen solutions
- High color rendering for the best product presentation
- Simple and fast connection thanks to universal 3-phase track adapter
- Maximum profitability due to the high luminaire efficacy
- Stable color temperature within the entire luminaire lifetime
- UV-/IR-free LED systems reduce UV-/IR-related bleaching
- Nearly maintenance-free within the luminaire lifetime
- Graphite Black (RAL 9011) available upon request

IP20 | 850 °C | 220–240 V | 50–60 Hz

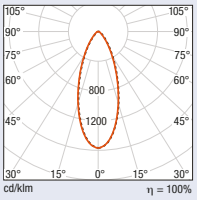
For current photometric data and important safety, installation and application information, see
www.osram.com/powerspot

LEDVANCE® SPOTLIGHT





SPOTLIGHT XXL 24°



SPOTLIGHT XL, XXL 40°

C0
C90

All figures in mm

Product reference	Product number	COLOR	W	K	lm	cd	lm/W	Ra	h [mm]	d [mm]			
LEDVANCE® SPOTLIGHT XL													
SPOTLIGHT XL 840 L40 WT	4008321**981905**	white	29	4000	1800	2900	62	> 85	92	137	120	40	4x1
SPOTLIGHT XL 840 L40 AL	4008321**649515**	aluminum	29	4000	1800	2900	62	> 85	92	137	120	40	4x1
SPOTLIGHT XL 930 L40 WT	4008321**981899**	white	29	3000	1600	2600	55	> 90	92	137	120	40	4x1
SPOTLIGHT XL 930 L40 AL	4008321**649478**	aluminum	29	3000	1600	2600	55	> 90	92	137	120	40	4x1
LEDVANCE® SPOTLIGHT XXL													
SPOTLIGHT XXL 840 L24 WT	4008321**743169**	white	44	4000	2500	5800	57	> 85	114	156	140	24	4x1
SPOTLIGHT XXL 840 L24 AL	4008321**743183**	aluminum	44	4000	2500	5800	57	> 85	114	156	140	24	4x1
SPOTLIGHT XXL 840 L40 WT	4008321**743244**	white	44	4000	2500	3900	57	> 85	114	156	140	40	4x1
SPOTLIGHT XXL 840 L40 AL	4008321**743220**	aluminum	44	4000	2500	3900	57	> 85	114	156	140	40	4x1
SPOTLIGHT XXL 930 L24 WT	4008321**743282**	white	46	3000	2500	5800	55	> 90	114	156	140	24	4x1
SPOTLIGHT XXL 930 L24 AL	4008321**743305**	aluminum	46	3000	2500	5800	55	> 90	114	156	140	24	4x1
SPOTLIGHT XXL 930 L40 WT	4008321**743343**	white	46	3000	2500	3900	55	> 90	114	156	140	40	4x1
SPOTLIGHT XXL 930 L40 AL	4008321**743367**	aluminum	46	3000	2500	3900	55	> 90	114	156	140	40	4x1

Product features
- Recessed ceiling mounting
- Luminous flux: 1800 lm (XL), 2500 lm (XXL)
- Luminaire efficacy up to 62 lm/W
- Color rendering index up to R_a > 90
- Active color stabilization system
- Rotation: 350°, tiltable: 60°
- Luminaire color:
  signal white (RAL 9003) or white aluminum (RAL 9006)
- Color temperature:
  3000 K (warm white) or 4000 K (neutral white)
- Beam angles: 24° (XXL) and 40° (XL and XXL)
- Average life: 50000 h
- Type of protection: IP20
- 5-year guarantee

Product benefits
- State-of-the-art OSRAM PrevaLED® HD system for excellent illumination
- Efficient replacement of HID systems
- High energy savings compared to halogen solutions
- High color rendering for the best product presentation
- Fast ceiling integration thanks to easy installation system
- Maximum profitability due to the high luminaire efficacy
- Stable color temperature within the entire luminaire lifetime
- UV-/IR-free LED systems reduces UV-/IR-related bleaching
- Nearly maintenance-free within the luminaire lifetime
- DALI® dimmability upon request

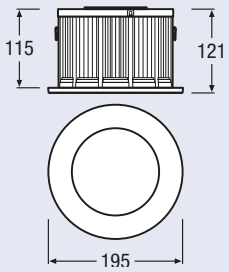
IP20 | 850 °C | ...+25 °C | 220–240 V | 50–60 Hz

LEDVANCE® OSRAM Guarantee 5

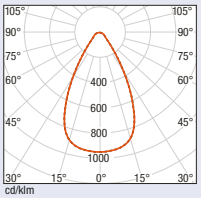
For details and conditions, see www.osram.com/guarantee

For current photometric data and important safety, installation and application information, see www.osram.com/spotlight

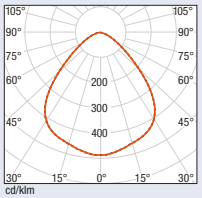
LEDVANCE® DOWNLIGHT XL DALI®



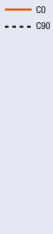
All figures in mm



LEDVANCE DOWNLIGHT XL DALI® 60°



LEDVANCE DOWNLIGHT XL DALI® 100°



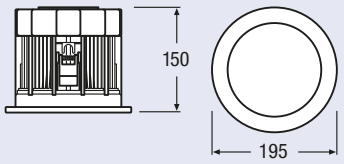
Product reference	Product number	COLOR			lm	cd	W	lm/W	K	
LEDVANCE® DOWNLIGHT XL DALI®										
LEDVANCE DOWNLIGHT XL 930 L60 WT DALI	4008321**968869**	white	930	60	1700	1618	28	61 1)	3000	4x1
LEDVANCE DOWNLIGHT XL 930 L100 WT DALI	4008321**968876**	white	930	100	1700	833	28	61 1)	3000	4x1
LEDVANCE DOWNLIGHT XL 840 L60 WT DALI	4008321**968883**	white	840	60	1700	1618	28	61 1)	4000	4x1
LEDVANCE DOWNLIGHT XL 840 L100 WT DALI	4008321**968890**	white	840	100	1700	833	28	61 1)	4000	4x1

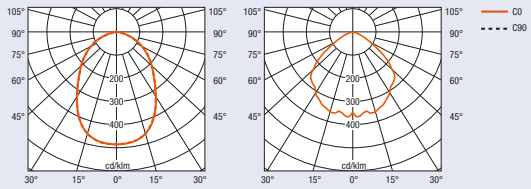
1) Approximated values

IP21 | 960 °C | 175 | 220–240 V | 50–60 Hz

electronic comfort light

LEDVANCE® DOWNLIGHT XL





LEDVANCE DOWNLIGHT XL 60° LEDVANCE DOWNLIGHT XL 100°

All figures in mm

Product reference	Product number	COLOR			lm	cd	W	lm/W	K	
LEDVANCE® DOWNLIGHT XL										
LEDVANCE DOWNLIGHT XL 830 L60 WT	4008321**968821**	white	830	60	1600	1488	32	50	3000	4x1
LEDVANCE DOWNLIGHT XL 830 L100 WT	4008321**968838**	white	830	100	1600	552	32	50	3000	4x1
LEDVANCE DOWNLIGHT XL 840 L60 WT	4008321**968845**	white	840	60	1600	1488	32	50	4000	4x1
LEDVANCE DOWNLIGHT XL 840 L100 WT	4008321**968852**	white	840	100	1600	552	32	50	4000	4x1

LEDVANCE® DOWNLIGHT XL is a recessed LED ceiling luminaire with compact dimensions and excellent photometric properties. With its opaque diffuser and sleek ring design (white or aluminum), it blends discreetly in the ceiling reflector. LEDVANCE® DOWNLIGHT XL is part of the uniformly styled LEDVANCE® DOWNLIGHT product family which performs various classic general illumination tasks with the latest LED technology; also available in a dimmable version.

LEDVANCE® OSRAM Guarantee 5

For details and conditions, see www.osram.com/guarantee

Features and benefits

- Energy-saving recessed luminaire
- Compatible with standard suspended ceilings
- Sustainable product with an excellent energy balance
- Elegant design with opaque diffuser
- Direct connection to an 220–240 V AC supply
- Replacement for 2 x 18 W/2 x 26 W CFL downlight applications
- Mounting diameter 175 mm
- Average life 50000 hours
- Ring colors in white matt or anodized aluminum
- Accessories: decorative ring in anodized aluminum
- Color temperatures warm white (3000 K) and neutral white (4000 K)

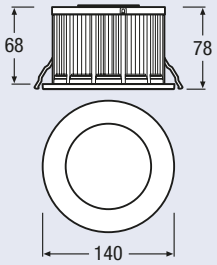
CE | 25 | IP21 | 960 °C | 175 | 220–240 V | 50–60 Hz

electronic comfort light

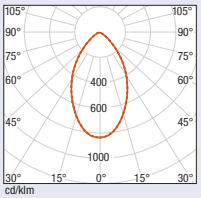
LEDVANCE® DOWNLIGHT XL accessory

Product reference	Product number	COLOR	h [mm]	d [mm]	
LEDVANCE® DOWNLIGHT XL accessory					
LEDVANCE DOWNLIGHT XL RING AL	4008321**968906**	aluminum	6	195	4x1

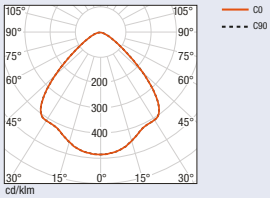
LEDVANCE® DOWNLIGHT L DALI®



All figures in mm



LEDVANCE DOWNLIGHT L DALI® 60°



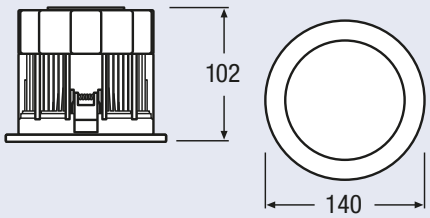
LEDVANCE DOWNLIGHT L DALI® 100°

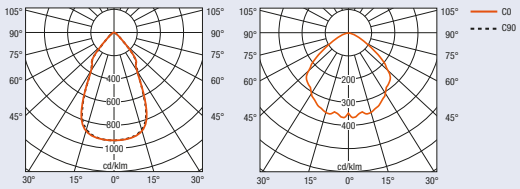
Product reference	Product number	COLOR			lm	cd	W	lm/W	K	
LEDVANCE® DOWNLIGHT L DALI®										
LEDVANCE DOWNLIGHT L WT 930 L60 DALI	4008321**981592**	white	930	60	1200	1006	20	60	3000	4x1
LEDVANCE DOWNLIGHT L WT 930 L100 DALI	4008321**981608**	white	930	100	1200	584	20	60	3000	4x1
LEDVANCE DOWNLIGHT L WT 840 L60 DALI	4008321**981615**	white	840	60	1200	1006	20	60	4000	4x1
LEDVANCE DOWNLIGHT L WT 840 L100 DALI	4008321**981622**	white	840	100	1200	584	20	60	4000	4x1

CE | 25 | IP21 | 960 °C | 120 | 220–240 V | 50–60 Hz

electronic comfort light — Quick start, Flicker free, Energy saving, Longer lamp life

LEDVANCE® DOWNLIGHT L





LEDVANCE DOWNLIGHT L 60° LEDVANCE DOWNLIGHT L 100°

All figures in mm

Product reference	Product number	COLOR			lm	cd	W	lm/W	K	
LEDVANCE® DOWNLIGHT L										
LEDVANCE DOWNLIGHT L 830 L60 WT	4008321**968753**	white	830	60	1000	930	20	50	3000	4x1
LEDVANCE DOWNLIGHT L 830 L100 WT	4008321**968760**	white	830	100	1000	345	20	50	3000	4x1
LEDVANCE DOWNLIGHT L 840 L60 WT	4008321**968777**	white	840	60	1000	930	20	50	4000	4x1
LEDVANCE DOWNLIGHT L 840 L100 WT	4008321**968784**	white	840	100	1000	345	20	50	4000	4x1
LEDVANCE DOWNLIGHT L WT 830 L60 DIM	4008321**981554**	white	930	60	1000	930	21	48 1)	3000	4x1
LEDVANCE DOWNLIGHT L WT 830 L100 DIM	4008321**981561**	white	930	100	1000	345	21	48 1)	3000	4x1
LEDVANCE DOWNLIGHT L WT 840 L60 DIM	4008321**981578**	white	840	60	1000	930	21	48 1)	4000	4x1
LEDVANCE DOWNLIGHT L WT 840 L100 DIM	4008321**981585**	white	840	100	1000	345	21	48 1)	4000	4x1

1) Approximated values

LEDVANCE® DOWNLIGHT L is a recessed LED ceiling luminaire with compact dimensions and excellent photometric properties. With its opaque diffuser and sleek ring design (white or anodized aluminum), it blends discreetly intro the ceiling reflector. The small mounting depth brings benefits in planning and installation.
LEDVANCE® DOWNLIGHT L is the energy-efficient and durable alternative to compact fluorescent and halogen downlights. Also available in a dimmable version.

LEDVANCE® OSRAM Guarantee 5

For details and conditions, see www.osram.com/guarantee

Features and benefits
- Energy-saving recessed luminaire
- Compact downlight and compatibility with standard suspended ceilings
- Sustainable product with an excellent energy balance
- Elegant design with opaque diffuser
- Direct connection to 220–240 V
- Replacement for 1x 18 W/1x 26 W CFL downlight applications
- Mounting diameter 120 mm
- Average life 50000 h
- Ring colors in white matt or anodized aluminum
- Accessories: decorative ring in anodized aluminum
- Color temperatures warm white (3000 K) and neutral white (4000 K)

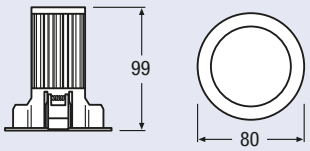
IP21 960 °C 120 220–240 V 50–60 Hz

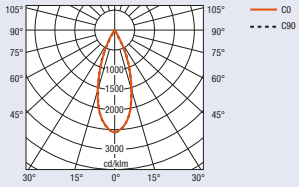
electronic comfort light

LEDVANCE® DOWNLIGHT L accessory

Product reference	Product number	COLOR	h [mm]	d [mm]	
LEDVANCE® DOWNLIGHT L accessory					
LEDVANCE DOWNLIGHT L RING AL	4008321**968791**	aluminum	10	140	4x1

LEDVANCE® DOWNLIGHT M





All figures in mm

Product reference	Product number	COLOR		lm	cd	W	lm/W	K	
LEDVANCE® DOWNLIGHT M									
LEDVANCE DOWNLIGHT M 830 L36 WT	4008321**968678**	white	830	700	1793	13.5	52 1)	3000	4x1
LEDVANCE DOWNLIGHT M 840 L36 WT	4008321**968692**	white	840	700	1793	13.5	52 1)	4000	4x1
LEDVANCE DOWNLIGHT M 830 L36 WT DIM	4008321**968715**	white	830	680	1741	14	48 1)	3000	4x1
LEDVANCE DOWNLIGHT M 840 L36 WT DIM	4008321**968739**	white	840	680	1741	14	48 1)	4000	4x1

1) Approximated values

LEDVANCE® DOWNLIGHT M is a recessed LED ceiling luminaire with compact dimensions and excellent photometric properties. LEDVANCE® DOWNLIGHT M is the energy-efficient and durable alternative to classic MR16 downlight applications. Highly convenient with adjustable head (±20°) and 36° beam angle; also available in a dimmable version.

For details and conditions, see
www.osram.com/guarantee

Features and benefits

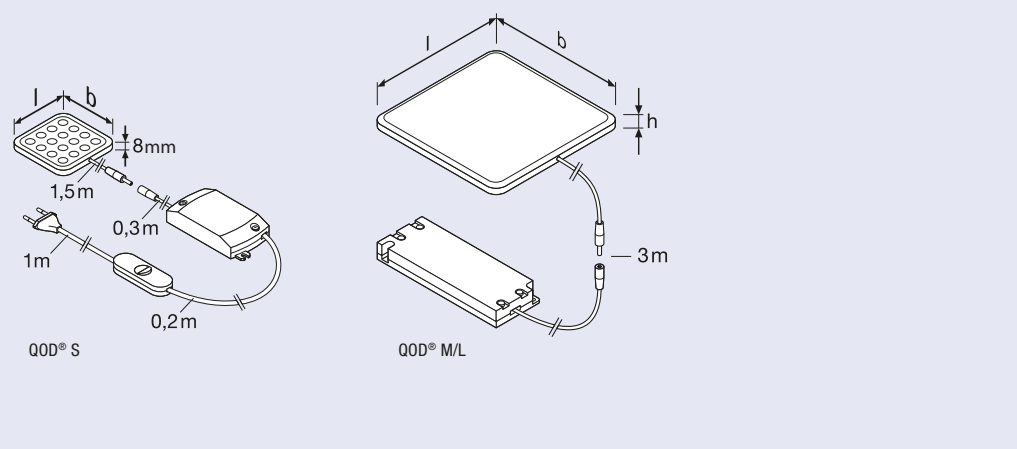
- Energy-saving recessed luminaire equipped with OSLON LED from OSRAM
- Sustainable product with an excellent energy balance
- Adjustable head (± 20°)
- Beam angle 36°
- External control gear included (cabled on the secondary side)
- Can be used as replacements for 50 W low-voltage halogen applications
- Mounting diameter 68 mm
- Average life 50000 h
- Ring colors in white matt or anodized aluminum
- Color temperatures warm white (3000 K) and neutral white (4000 K)

IP44 | 850 °C | 220–240 V | 50–60 Hz

LEDVANCE® DOWNLIGHT M accessory

Product reference	Product number	COLOR	h [mm]	d [mm]	
LEDVANCE® DOWNLIGHT M accessory					
LEDVANCE DOWNLIGHT M RING AL	4008321**968746**	aluminum	8	80	4x1

QOD® S, M, L



Product reference	Product number	COLOR	t [h]	W	K	V	lm	l [mm]	b [mm]	h [mm]	°	
QOD® S, M, L												
QOD S	4008321**971975**	white	30000	3.5	3050	220-240	150	70	70	8	45	6x1
QOD M	4008321**974921**	white	30000	13	3050	220-240	420	155	155	11	89	4x1
QOD L	4008321**974952**	white	30000	28	3050	220-240	900	220	220	11	86	4x1
QOD EXTENSION CABLE 1.5 m	4008321**972842**	white	–	–	–	12	–	1500	–	–	–	6x1

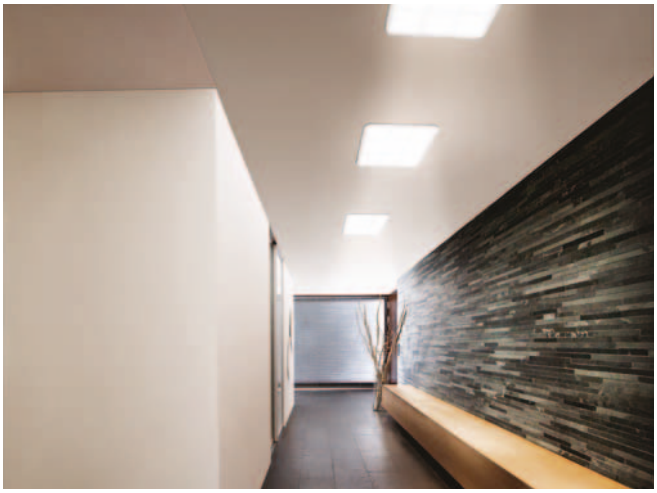
QOD® S – thanks to compact design and on/off switch, designed to be a wardrobe lamp or under-cabinet and shelf lighting.

QOD® M – can be used virtually anywhere as an accentuating wall and ceiling luminaire.

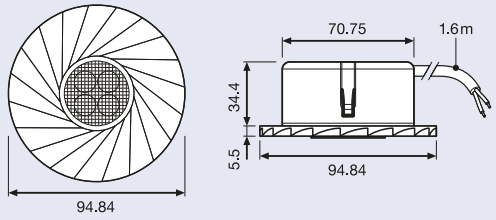
QOD® L – also usable as a downlight where there is insufficient space for conventional luminaires.

Features and benefits
- Energy saving through LED technology
- Brilliant warm-white light output
- Super flat
- Plug & Light (QOD® S)
- Mountable on nearly any surface and has various mounting possibilities (adhesive tape; screws)

IP20 50/60 Hz



TRESOL® 10W



All figures in mm

Product reference	Product number	COLOR	t [h]	W	lm	K	°	
TRESOL® 10W								
TRESOL 10W	4008321**984159**	silver	25000	10	385	3000	35	4x1

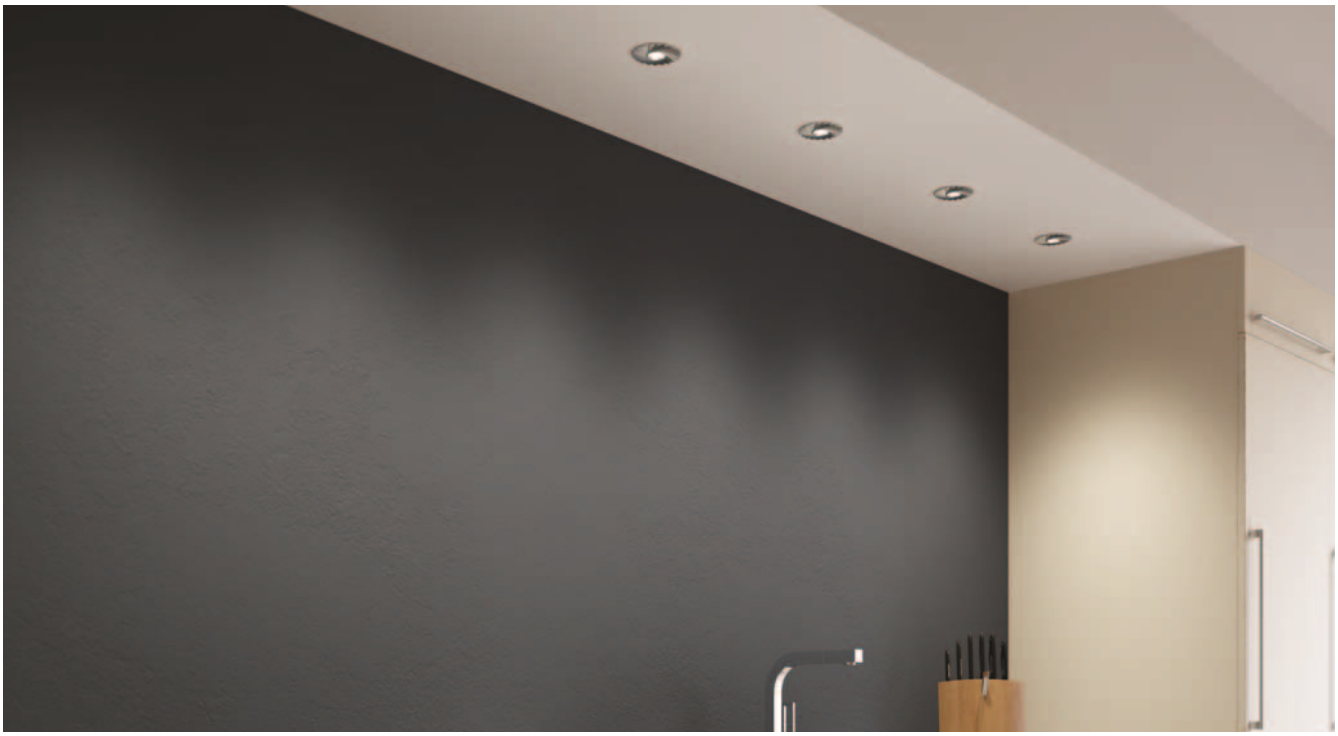
The high-power LED downlight TRESOL® 10W is made of high-quality material. The low installation depth is ideal for suspended ceilings. LED driver is included in the luminaire body.

Features and benefits

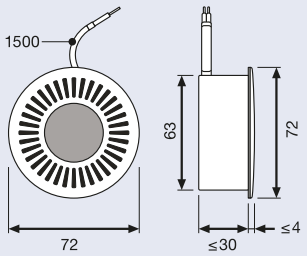
- Dimmable[1)]
- Low installation depth
- Aluminum heat sink
- Driver included

IP20 220–240 V ~50–60 Hz [1)]

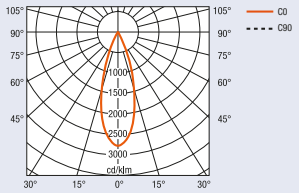
1) www.osram.com/luminaires



LED TRESOL® 4.5W



All figures in mm



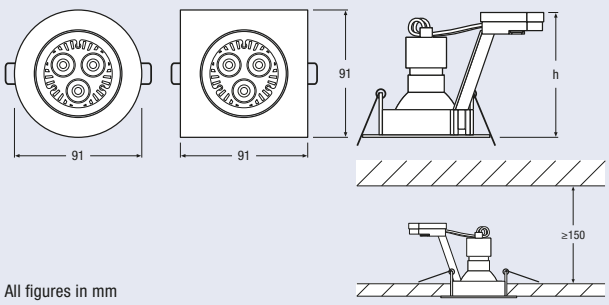
Product reference	Product number	COLOR	t [h]	W	lm	K		
LED TRESOL®								
LED TRESOL 1x4.5W	4008321**587220**	silver/matt	25000	4.5	165	3200	30	6x1
LED TRESOL 2x4.5W	4008321**587244**	silver/matt	25000	2x4.5	2x165	3200	30	6x2
LED TRESOL Add-on	4008321**980014**	silver/matt	–	–	–	–	–	6x1
LED TRESOL 4.5W WT	4008321**989369**	white	25000	4.5	165	3200	30	6x1
LED TRESOL 2x4.5W WT	4008321**990129**	white	25000	2x4.5	2x165	3200	30	6x2
LED TRESOL Add-on WT	4008321**989345**	white	–	–	–	–	–	6x1

Features and benefits

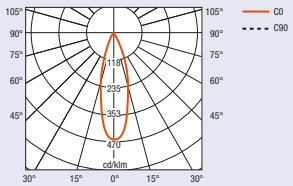
- High-power LED downlight with integrated control gear
- 2-in-1 design: recessed mounting or surface mounting with add-on kit
- Available in matt silver and white

IP20 | 220–240 V | 50–60 Hz

KIT LED PRO



All figures in mm



KIT LED PRO PAR16 20

Product reference	Product number	COLOR	cd	W	K	h [mm]	
KIT LED PRO							
KIT LED PRO R BR NI PAR16 20 6X1	4008321**963284**	brushed nickel	460	4.5	3000	90	6x1
KIT LED PRO S BR NI PAR16 20 6X1	4008321**963291**	brushed nickel	460	4.5	3000	90	6x1
KIT LED PRO R BR NI PAR16 35 6X1	4008321**982049**	brushed nickel	600	7.5	3000	117	6x1
KIT LED PRO S BR NI PAR16 35 6X1	4008321**982056**	brushed nickel	600	7.5	3000	117	6x1
KIT LED PRO R WT PAR16 35 6X1	4008321**982063**	white	600	7.5	3000	117	6x1
KIT LED PRO S WT PAR16 35 6X1	4008321**982070**	white	600	7.5	3000	117	6x1
KIT LED PRO R BR NI PAR16 50 6X1	4008321**982087**	brushed nickel	950	9.5	3000	117	6x1
KIT LED PRO R WT PAR16 50 6X1	4008321**982148**	white	950	9.5	3000	117	6x1

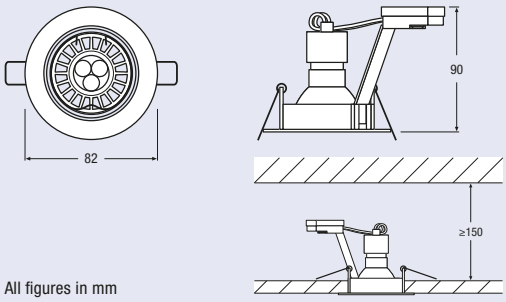
KIT LED PRO is a set that is ready for installation and consists of a downlight with connecting terminal and a PARATHOM® PAR 16 LED in different versions (square/round/white/brushed nickel). It is ideal for constant economical lighting in retail outlets, hotels and restaurants.

Features and benefits

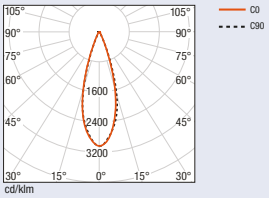
- Die-cast aluminum casing in: square (S) and round (R)
- Luminaire color: brushed nickel look and white
- Simple installation and maintenance thanks to the Twist & Lock interlock for the lamp
- Lamp swivels through 40°
- Operating temperature -15 °C to +40 °C
- Mounting diameter 80 mm
- Direct connection to 220–240 V
- Equipped with PARATHOM® PAR16 LED lamp
- Color temperature warm white (3000 K)
- Beam angle 35°
- Dimmable (PAR16 35 and PAR16 50)

IP23 IK02 220–240 V 50–60 Hz 960° C 80 35°

KIT LED CLASSIC



All figures in mm



Product reference	Product number	COLOR	cd	W	K	
KIT LED CLASSIC						
KIT LED CLASSIC R WT PAR16 35	4008321**664990**	white	600	5	3000	6x1

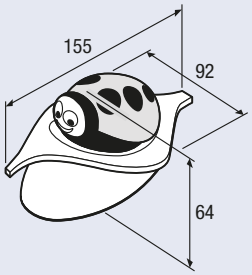
KIT LED CLASSIC is a cost-effective set that is ready for installation and consists of a downlight with connecting terminal and a PARATHOM® PAR16 LED lamp. It is ideal for illuminating shop windows, retail outlets and corridors.

Features and benefits

- Round die-cast aluminum casing in white (RAL 9016)
- Simple installation and maintenance thanks to clip fastening
- Lamp swivels through 40°
- Mounting diameter 75 mm
- Direct connection to 220–240 V
- Equipped with PARATHOM® PAR16 LED lamp
- Color temperature warm white (3000 K)
- Beam angle of 35°

IP21 | 960 °C | IK02 | 75 | 220–240 V | 50–60 Hz | 35°

BEETLED®



All figures in mm

Product reference	Product number	COLOR	t [h]	W	K		
BEETLED®							
BEETLED EU	4008321**421517**	red/green	20000	1.5	7000	15	4x1

The ladybug-shaped LED nightlight creates a pleasant calm atmosphere in children's bedrooms. The luminaire contains a safety light and the top can be removed and used as a flashlight.

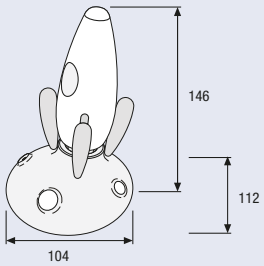
Features and benefits

- Combination of nightlight and flashlight
- Emergency backup light during power outage
- Child-friendly and appealing design with a robust construction
- Night/day sensor
- Battery runtime up to 5 hours

IP20 | 230 V | 50 Hz | on/off automatic

Photo: www.rsfotografie.de

ORBIS®



All figures in mm

Similar to product image

Product reference	Product number	COLOR	t [h]	W	K		
ORBIS®							
ORBIS EU	4008321**445476**	red/white	20000	1.5	7000	15	4x1

The LED nightlight in the shape of a space rocket creates a pleasant calm atmosphere in children's bedrooms. The additional flashlight function enables it to be used as a mobile light.

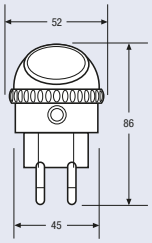
Features and benefits

- Combination of nightlight and flashlight
- Emergency backup light during power outage
- Child-friendly and appealing design with a robust construction
- Night/day sensor
- Battery runtime up to 5 hours

IP20 | 230 V | 50 Hz | on/off automatic

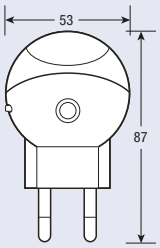
Photo: www.rsfotografie.de

LUNETTA® LED and LUNETTA® LED Colormix



All figures in mm

Product reference	Product number	COLOR	t [h]	W		
LUNETTA® LED						
LUNETTA LED	4050300**952505**	white	20000	0.45	15	20x1



All figures in mm

Product reference	Product number	COLOR	t [h]	W		
LUNETTA® LED Colormix						
LUNETTA LED Colormix	4008321**053855**	silver	20000	1.1	15	10x1

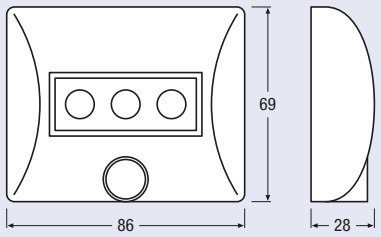
LUNETTA® LED are orientation lights completed with plugs. The integrated sensor controls the luminaire according to the amount of available ambient light. The head rotates through 360° so the light can be directed where it is needed. The prismatic cover ensures an even light distribution.

Features and benefits

- Brightness sensor for automatic operation
- Rotary head (360°)
- Automatic color changing mode (LUNETTA® LED Colormix)

IP20 | 220–250 V | 50 Hz | on/off automatic

NIGHTLUX®



All figures in mm

Product reference	Product number	COLOR	t [h]	W	K		
NIGHTLUX®							
NIGHTLUX white	4008321**376596**	white	20000	0.3	7000	120	6x1
NIGHTLUX silver	4008321**985743**	silver	20000	0.3	7000	120	6x1

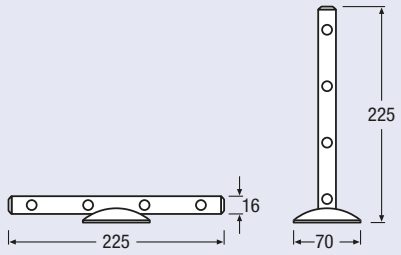
The OSRAM NIGHTLUX® is weather-resistant, making it perfect for both indoor and outdoor use. This nightlight is easy to fit. It is a welcome guide providing safety, for example, on the landing outside children's rooms or by the stairs. NIGHTLUX® is designed to focus its light on the lower third of any room. If mounted at hip height, NIGHTLUX® with its three LED lamps lights up every obstacle and thus minimizes the risk of accidents. It switches off automatically after either 10 or 60 seconds, you decide.

Features and benefits

- Battery-operated dustproof and splashproof luminaire, suitable for indoor and outdoor applications
- Easy to install with screws, magnets or adhesive tape
- The LED luminaire can be swiveled up and down by 60 degrees
- Motion sensor and day/night sensor

IP54 4.5 V

LEDstixx®



All figures in mm

Product reference	Product number	COLOR	W	K	
LEDstixx®					
LEDstixx	4008321**951236**	silver	1.2	7000	6x1

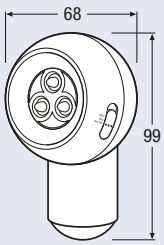
The new OSRAM LEDstixx® offers discerning design devotees a striking and decorative form of LED lighting. Measuring some 22 cm in length, the rounded silver light stick has four LEDs along its lateral side, lending it the look of a gleaming magic wand. With a multitude of different mounting options, it can conjure a glow around all those features that are crying out for accentuation. The innovative light-emitting diodes of the LEDstixx® always cast the right light in the right direction.

Features and benefits

- High-quality aluminum housing
- Equipped with four white LEDs
- Horizontal or vertical alignment of walls and objects is possible
- Screws, magnet, adhesive foil

IP20 4.5V

SPYLUX®



All figures in mm

Product reference	Product number	COLOR	W	K	
SPYLUX®					
SPYLUX	4008321**935021**	white	0.6	7000	6x1

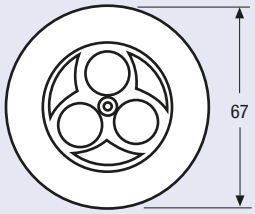
SPYLUX® – the battery-powered, spray-proof lamp from OSRAM reacts to even the slightest movement and makes rummaging around in the basement or the attic much easier thanks to a bright LED light. SPYLUX® can not only be fitted to almost anything using screws, glue or a magnetic fitting, but it also has a flexible moving head so you can point the light in any direction you want. SPYLUX® can be removed out of its holder and used as a torch. SPYLUX® also improves safety outside the house. The integrated movement sensor reacts to moving objects or people over a radius of up to four meters – making it ideal for exterior lighting on garages, garden sheds or holiday homes.

Features and benefits

- Battery-powered, spray-proof light
- Screws, magnet, adhesive foil
- Integrated motion sensor
- Functions as a stand-alone torch
- 70° rotable and 25° pivoting head
- Includes 3 x AAA batteries

IP43 4.5V

DOT-it® Classic



All figures in mm

Product reference	Product number	COLOR	W	K	h [mm]	
DOT-it® Classic						
DOT-it Classic	4008321**930491**	silver	0.6	7000	22	6x1

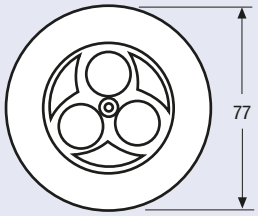
DOT-it® Classic – the ingenious, bright everywhere light. The included adhesive pad, hook, magnet, and hook-and-loop pad offer multiple mounting options to this all-round talent. Thanks to the bayonet-style base, the batteries can be replaced more quickly and easily than ever before – no tools are needed. By the bed as a nightlight, in the car for reading, on school backpacks for safety, on the clothes as an accessory, in the garage, pantry, tent, attic, wardrobe or shed … wherever light is needed, the DOT-it® Classic is the solution!

Features and benefits

- With 3 super bright LEDs
- Mounting with adhesive pad, hook-and-loop pad, hook, or magnet
- Includes 3 replaceable 1.5 V MICRO batteries (AAA)
- Bayonet base for improved battery replacement
- Up to 100 hours of battery life

IP20 4.5 V

DOT-it® VARIO



All figures in mm

Product reference	Product number	COLOR	W	K	h [mm]	
DOT-it® VARIO						
DOT-it VARIO Platinum Silver	4008321**930705**	silver	0.6	7000	29	6x1

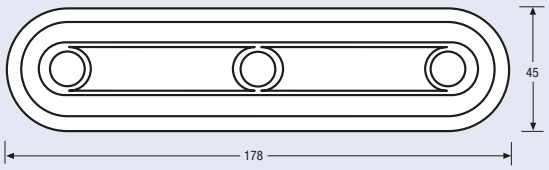
The DOT-it® VARIO is a directional tap light, which offers 360° of precise lighting. Simply twist the reflector 360° to direct which way the LED light illuminates. The batteries can easily be replaced using the bayonet battery door. Magnetic, adhesive, and hook-and-loop backing options allow for greater versatility in mounting. Perfect for precise spot illumination!

Features and benefits

- 360° rotatable and tiltable reflector head for directional light
- With 3 super bright LEDs
- Mounting through adhesive pad, hook-and-loop pad, or magnet
- Includes 3 replaceable 1.5 V MICRO batteries (AAA)
- Bayonet base for easy battery replacement
- Up to 100 hours battery life

IP20 4.5 V

DOT-it® LINEAR VARIO



All figures in mm

Product reference	Product number	COLOR	W	K	h [mm]	
DOT-it® LINEAR VARIO						
DOT-it LINEAR VARIO Platinum Silver	4008321**930828**	silver	0.6	7000	29	6x1

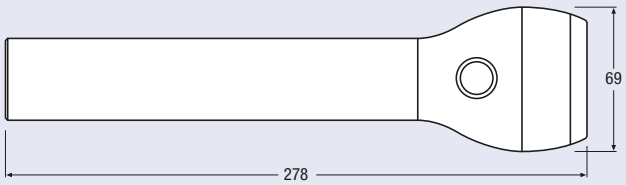
The DOT-it® LINEAR VARIO provides bi-directional, linear arranged LED light for a wider coverage area. The reflector can be slanted in two directions for a precise light beam. Just turn on the light by touching the sensor. The batteries can easily be replaced using the bayonet battery door. Magnetic, adhesive, and hook-and-loop backing options allow for greater versatility in mounting.

Features and benefits

- Pivotable reflector head for directional light
- Features a touch on/off sensor
- With 3 super bright LEDs
- Mounting through adhesive pad, hook-and-loop pad, or magnet
- Includes 3 replaceable 1.5 V MICRO batteries (AAA)
- Bayonet base for easy battery replacement

IP20 4.5 V

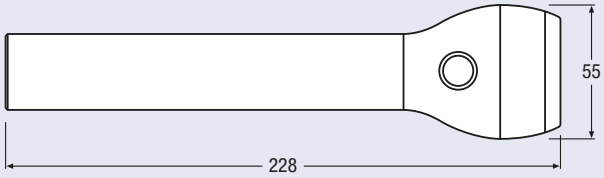
SIRIUS® Large



All figures in mm

Product reference	Product number	COLOR	W	K	
SIRIUS® Large					
SIRIUS Large	4008321**957429**	silver	2.7	6500	4x1

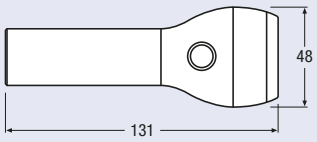
SIRIUS® Medium



All figures in mm

Product reference	Product number	COLOR	W	K	
SIRIUS® Medium					
SIRIUS Medium	4008321**957399**	silver	2.2	6500	6x1

SIRIUS® Small



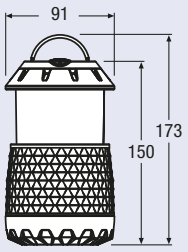
All figures in mm

Product reference	Product number	COLOR	W	K	
SIRIUS® Small					
SIRIUS Small	4008321**957368**	silver	1.2	6500	6x1

SIRIUS® torches with elegant silver-colored aluminum casing. The LED torch is available in three sizes: large, medium and small. Each has an illuminated switch so you can find the torch easily in the dark. SIRIUS® torches are ideal around the home or in the car – and of course wherever design is an important consideration.

Features and benefits
- OSRAM high-power LED
- High-class aluminum casing
- Illuminated switch

CROSSER® Tube



All figures in mm

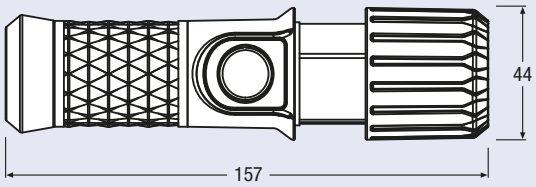
Product reference	Product number	COLOR	W	K	
CROSSER® Tube					
CROSSER Tube	4008321**957603**	gray	2.2	6500	6x1

The dimmable (50%) and robust camping lantern made of high-grade plastic, equipped with modern high-power LEDs from OSRAM. A practical camping lantern with a pull-out head, ideal for leisure and outdoor activities.

Features and benefits
- OSRAM high-power LED
- Robust, high-quality plastic casing
- Non-slip rubber grip
- Dimmable
- Pull-out head

9V 170°

CROSSER® Multifunction



All figures in mm

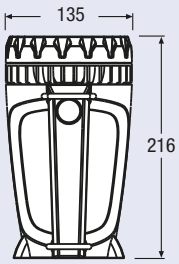
Product reference	Product number	COLOR	W	K	
CROSSER® Multifunction					
CROSSER Multifunction	4008321**957573**	gray	1.2	6500	6x1

The dimmable (50%) and robust torch made of high-grade plastic, equipped with modern high-power LEDs from OSRAM. With its flashing function, pull-out head and magnet for attachment, it is a real everyday all-rounder with so many uses.

Features and benefits
- OSRAM high-power LED
- Robust, high-quality plastic casing
- Non-slip rubber grip
- Flashing function
- Pull-out head
- Magnet

6V 170°

CROSSER® Spotlight



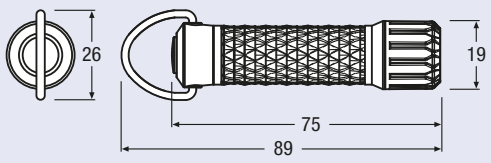
All figures in mm

Product reference	Product number	COLOR	W	K	
CROSSER® Spotlight					
CROSSER Spotlight	4008321**957634**	gray	3.3	6500	6x1

The powerful dimmable (50%) and robust torch made of high-grade plastic, equipped with modern high-power LEDs from OSRAM. With its directional head and shoulder strap, it is ideal for leisure and outdoor activities.

Features and benefits
- OSRAM high-power LED
- Robust, high-quality plastic casing
- Non-slip rubber grip
- Dimmable
- Directional head
- Shoulder strap

CROSSER® Micro



All figures in mm

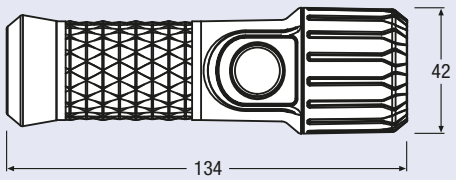
Product reference	Product number	COLOR	W	K	
CROSSER® Micro					
CROSSER Micro	4008321**957450**	gray	0.5	6500	6x1

The extra small and robust torch made of high-grade plastic, equipped with modern high-power LEDs from OSRAM. The smallest of the CROSSER® range has a key ring and is ideal for everyday use. Supplied complete with battery.

Features and benefits
- OSRAM high-power LED
- Robust, high-quality plastic casing
- Non-slip rubber grip
- Impressively small

1.5 V 170°

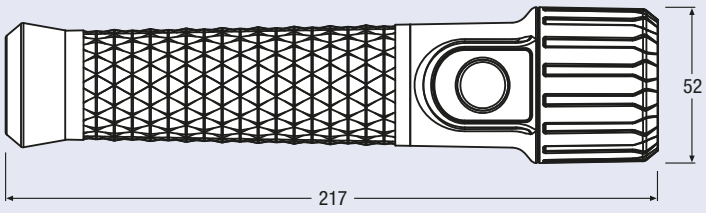
CROSSER® Small



All figures in mm

Product reference	Product number	COLOR	W	K	
CROSSER® Small					
CROSSER Small	4008321**957481**	gray	1.2	6500	6x1

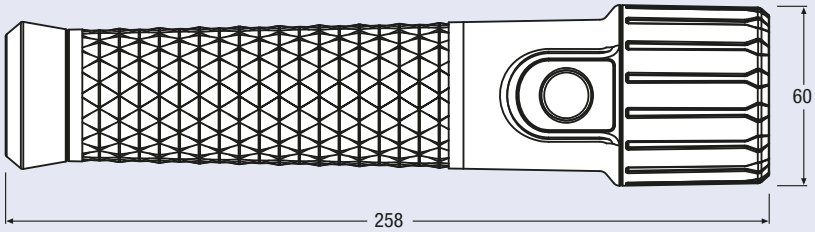
CROSSER® Medium



All figures in mm

Product reference	Product number	COLOR	W	K	
CROSSER® Medium					
CROSSER Medium	4008321**957511**	gray	2.2	6500	6x1

CROSSER® Large



All figures in mm

Product reference	Product number	COLOR	W	K	
CROSSER® Large					
CROSSER Large	4008321**957542**	gray	2.7	6500	6x1

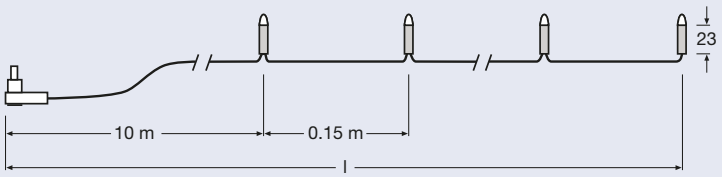
Robust quality with high-grade plastic, equipped with modern high-power LEDs from OSRAM. Ideal for leisure and outdoor activities. The range comprises 3 sizes (Large/Medium/Small), with the right product for every application at home, in the workshop or on holiday.

Features and benefits

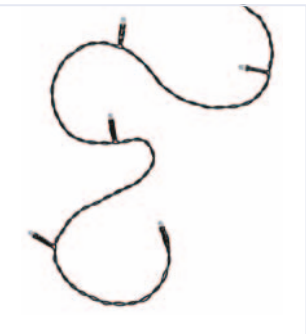
- OSRAM high-power LED
- Robust, high-quality plastic casing
- Non-slip rubber grip

4.5 V 170°

LED garlands



All figures in mm



Product reference	Product number	COLOR		W	l [m]		
LED garlands – cold white and warm white							
LK 40 LED COLD WHITE	4050300**824062**	dark green	cold white	5	15.85	40	6x1
LK 80 LED COLD WHITE	4050300**824086**	dark green	cold white	7	21.85	80	6x1
LK 120 LED COLD WHITE	4008321**208385**	dark green	cold white	8	27.70	120	4x1
LK 320 LED COLD WHITE	4008321**208408**	dark green	cold white	13	61.50	320	4x1
LK 40 LED WARM WHITE	4008321**060907**	dark green	warm white	5	15.85	40	6x1
LK 80 LED WARM WHITE	4008321**060921**	dark green	warm white	7	21.85	80	6x1
LK 120 LED WARM WHITE	4008321**070937**	dark green	warm white	8	27.70	120	4x1
LK 320 LED WARM WHITE	4008321**208521**	dark green	warm white	13	61.50	320	4x1

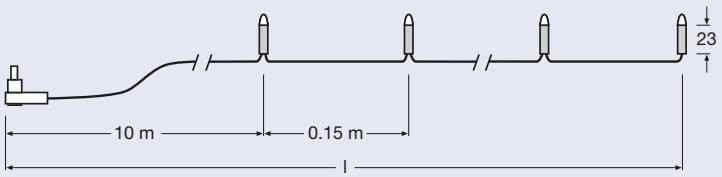
Wherever you are celebrating – in the garden or in your home – and whether it's a birthday, Christmas or just a gathering of friends, the right lighting can make all the difference. With versatile high-quality garlands from OSRAM, there are so many ways you can add a little atmosphere.

Features and benefits

- Flicker-free light for indoor or outdoor lighting
- Available in warm white and cold white light colors
- Low energy consumption and extremely durable thanks to LED technology
- Low thermal output, ideal for trees and bushes
- With 40, 80, 120 or 320 LEDs
- 24 V transformer with 10 m cable

IP44 ...+25 C° 230 V 50 Hz LED

LED garlands – colored



All figures in mm

Product reference	Product number	COLOR		W	l [m]		
LED garlands – colored							
LK 80 LED BLUE	4008321**214126**	transparent	blue	7	21.85	80	6x1
LK 80 LED PINK	4008321**214041**	transparent	pink	7	21.85	80	6x1
LK 80 LED YELLOW	4008321**208422**	transparent	gold	7	21.85	80	6x1

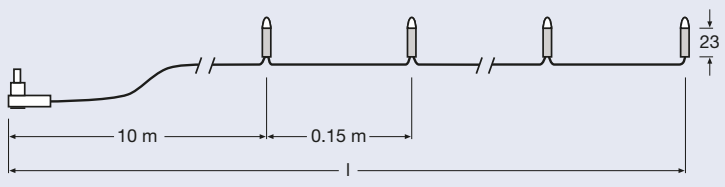
Simple application and available in different light colors. For Halloween, during Advent and into the New Year and on the patio over the summer months – the reliable and economical colored LED garlands from OSRAM create the right mood right through the year.

Features and benefits

- Equipped with flicker-free LEDs
- With 40 or 80 LEDs
- 24 V transformer with 10 m cable, suitable for indoor and outdoor applications
- LED spacing 0.15 m
- Robust, energy-saving and extremely durable thanks to LED technology
- Low thermal output, ideal for trees and bushes

IP44 ...+25 C° 230 V 50 Hz LED

LED garlands – color changing



All figures in mm

Product reference	Product number	COLOR		W	l [m]		
LED garlands – color changing							
LK 40 LED COLOR CHANGING	4008321**088413**	transparent	color changing[1]	max. 5	15.85	40	6x1
LK 80 LED COLOR CHANGING	4008321**088437**	transparent	color changing[1]	max. 7	21.85	80	6x1

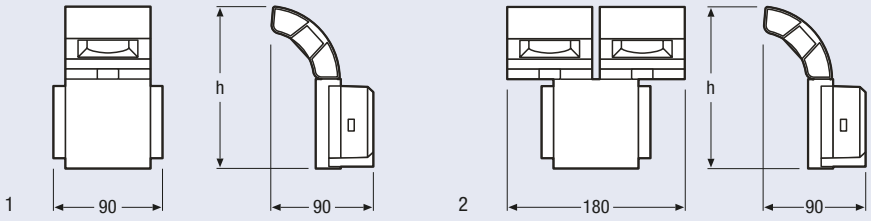
1) Multi-color changes with rapid transitions

LED garlands are real all-rounders and are also available with RGB LEDs. Garlands with color changing LEDs are a highlight at any party.

Features and benefits
- Equipped with flicker-free LEDs
- With 40 or 80 LEDs
- 24 V transformer with 10 m cable, suitable for indoor and outdoor applications
- LED spacing 0.15 m
- Robust, low energy consumption and extremely durable
- Low thermal output, ideal for trees and bushes

IP44 ...+25 C° 230 V 50 Hz LED

NOXLITE® LED SPOT



All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	h [mm]	K	°		No.
NOXLITE® LED SPOT											
NOXLITE LED SPOT 6W	4008321**960931**	gray	30000	6	100-240	290	140	6000	60	4	1
NOXLITE LED SPOT 8W	4008321**960955**	gray	30000	8	100-240	430	150	6000	60	4	1
NOXLITE LED SPOT 2x8W	4008321**981981**	gray	30000	2x8	100-240	860	150	6000	60	4	2

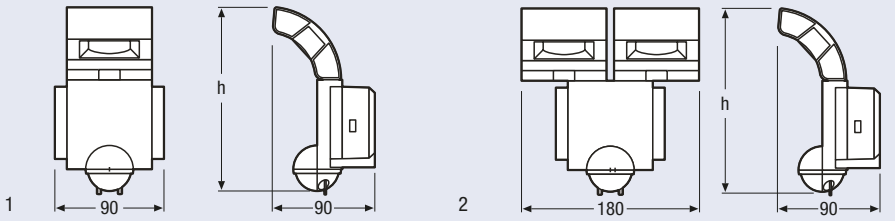
The NOXLITE® LED SPOT range with swiveling heads is available in a 6 W, 8 W and a 2 x 8 W version. Their bright, cool-white light is ideal for illuminating outdoor areas such as gardens, patios, pathways and house entrances.

Features and benefits

- Very bright and functional outdoor LED luminaires
- High-power LEDs and high luminous flux
- Easy installation
- Compact and lightweight
- Adjustable head

IP44 100–240 V 50–60 Hz

NOXLITE® LED SPOT Sensor



All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	h [mm]	K			No.
NOXLITE® LED SPOT Sensor											
NOXLITE LED SPOT 6W Sensor	4008321**960948**	gray	30000	6	100-240	290	160	6000	60	4	1
NOXLITE LED SPOT 8W Sensor	4008321**960962**	gray	30000	8	100-240	430	170	6000	60	4	1
NOXLITE LED SPOT 8W Sensor	4008321**998385**	white	30000	8	100-240	430	170	6000	60	4	1
NOXLITE LED SPOT 2x8W Sensor	4008321**981998**	gray	30000	2x8	100-240	860	170	6000	60	4	2

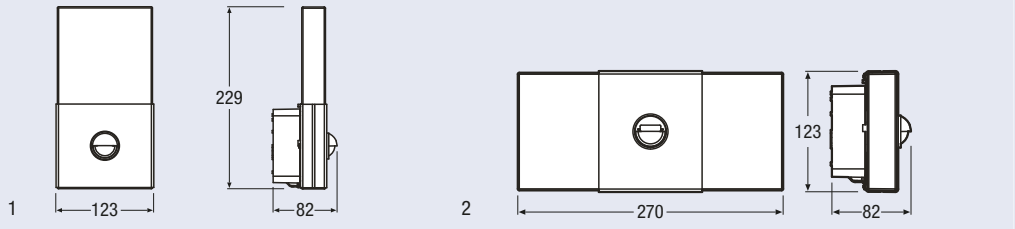
The NOXLITE® LED SPOT Sensor range with swiveling heads is available in a 6 W, 8 W and a 2 x 8 W version. Their bright, cool-white light is ideal for illuminating outdoor areas such as gardens, patios, pathways and house entrances. The motion and day/night sensors can be set for a power-on time ranging between five seconds and ten minutes and the degree of darkness at which the motion sensor is activated can be adjusted, too. The sensor settings can thus be individually selected and adapted as desired.

Features and benefits

- Very bright and functional outdoor LED luminaires
- High-power LEDs and high luminous flux
- Motion and day/night sensor with time settings from 5 s to 10 min
- Easy installation
- Compact and lightweight
- Adjustable head

IP44 100–240 V 50–60 Hz

NOXLITE® LED WALL Linear Sensor



All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	K			No.
NOXLITE® LED WALL Linear Sensor										
NOXLITE LED WALL Single Sensor	4008321**960979**	gray	30000	6	100-240	210	6000	122	4	1
NOXLITE LED WALL Single Sensor	4008321**998408**	silver	30000	6	100-240	210	6000	122	4	1
NOXLITE LED WALL Double Sensor	4008321**960986**	gray	30000	2x6	100-240	460	6000	135	4	2
NOXLITE LED WALL Double Sensor	4008321**998422**	silver	30000	2x6	100-240	460	6000	135	4	2

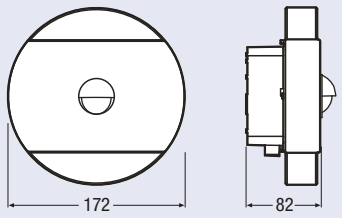
The NOXLITE® LED WALL is available in wattages of either 6 W or 2 x 6 W, with individually adjustable sensors and cool-white light. It can illuminate pathways, patios or attractively accentuate house walls.

Features and benefits

- Intelligent and elegant outdoor LED luminaire
- High-power LEDs
- Motion and day/night sensor with time settings from 5 s to 10 min
- Easy installation
- Compact and lightweight

IP44 | 100–240 V | 50–60 Hz

NOXLITE® LED WALL Round Sensor



All figures in mm

Product reference	Product number	COLOR	t [h]	W	V	lm	K	°	
NOXLITE® LED WALL Round Sensor									
NOXLITE LED WALL Round Sensor	4008321**980519**	gray	30000	2x6	100-240	400	6000	168	4
NOXLITE LED WALL Round Sensor	4008321**998446**	white	30000	2x6	100-240	400	6000	168	4

The NOXLITE® LED WALL Round Sensor is available in wattages of 2 x 6 W, with individually adjustable sensors and cool-white light. It can illuminate pathways, patios or attractively accentuate house walls.

Features and benefits

- Intelligent and elegant outdoor LED luminaire
- High-power LEDs
- Motion and day/night sensor with time settings from 5 s to 10 min
- Easy installation
- Compact and lightweight

IP44 100–240 V 50–60 Hz

Symbols

COLOR	Color
W	Power in W
lm	Luminous flux in lm
cd	Luminous intensity in cd
V	Voltage in V
A	Current in A
K	Color temperature in K
IP	Type of protection
R_a	Color rendering index
λ	Power factor/wavelength
BIN	Binnings
T_a	Ambient temperature range in °C
t [h]	Average period of use/life
DMX	Number of DMX channels
I [mA]	Rated current in mA
	No. of LEDs per module
CONTROL	Control
Lx	Working range of light sensor in Lx
	Standard pack in pcs.
	Light color
m	Transmitter range in m
	Dimmable
No.	Fig. no.
	For lamp/LED module
h m	Max. installation height in m
	Detection zone
	Beam angle in °
LES category	Light-emitting surface category
Initial SDCM	Threshold unit for the quality of color differences

pro-tection class	Protection class
Cable length [mm]	Cable length in mm
Cable cross-section/ AWG	Cable cross-section/AWG
l [mm]	Length l in mm
l_1 [mm]	Length l_1 in mm
l [m]	Length l in m
l min. [mm]	Length of smallest unit in mm
b [mm]	Width b in mm
h [mm]	Height h in mm
d [mm]	Diameter d in mm
d_1 [mm]	Diameter d_1 in mm
No. of CONTROL INPUTS	Number of control inputs
No. of OUTPUTS	Number of outputs
V/W AUXILIARY OUTPUT	Output voltage/output power
cd/ /cm²	Average luminance
lm/ /W	Luminous efficacy
W MODULE	Module wattage in W
W CHAIN	Wattage of chain
W SYSTEM	System wattage in W
V_{IN}	Input voltage in V
V_{OUT}	Output voltage in V
V min.-max.	Perm. operating voltage, sinusoidal
lm MODULE	Luminous flux of module
lm CHAIN	Luminous flux of chain
lm/W SYSTEM	System luminous efficacy
	Ceiling cut-out
	Base
Hz	Operating frequency in Hz

Certification

CE | 25 | 10 DE

Appliance class

Flame protection class

F | M M | F

Type of protection

IP20 | IP21 | IP23 | IP44 | IP54

Glow wire test

650 °C | 850 °C | 960 °C

Mechanical stress

IK02

Mounting diameter

64 | 68 | 75 | 80 | 120 | 175

Ambient temperature

...+25 °C | 0...+45 °C

Voltage

1.5 V | 4.5 V | 6 V | 9 V | 100–240 V | 110–240 V | 220–240 V | 220–250 V | 230 V

Daylight detection

Presence detection

Motion detection

Frequency

50 Hz | 50/60 Hz | 50–60 Hz | ~50–60 Hz

Equipped with lamp

Beam angle

35° | 36° | 80° | 113° | 120° | 170°

Dimmable

Technology

LED

Must be installed and maintained only by qualified electricians

Do not throw away with household waste

See the world in a new light

Always up to date
On OSRAM's website, you can find everything you need for your lighting business: information on the latest products and applications, useful tools and services as well as support for the planning of your lighting systems.
www.osram.com

OSRAM case studies
You can find "illuminating" practical examples and projects using OSRAM lighting products.
www.osram.com/casestudies

OSRAM LED deSIGNer
The online program works out the number of BackLED S, M and L modules needed for backlighting projects, lists the appropriate control equipment and produces the relevant order data.
www.osram.com/led-designer

OSRAM's System+ Guarantee*: system quality from a single supplier

OSRAM electronic operating and control devices work best when used in systems with LED illuminants, because then all components are matched to each other to work optimally. For this reason, OSRAM provides wide-ranging guarantees on selected systems in particular, as well as providing guarantees for individual products. There are different levels of guarantee, depending on the combination in question, for example with combined deployment of OSRAM ECG and LED modules or LED lamps or LED luminaires. If ECGs and illuminants are operated or controlled together using OSRAM LMS components, then our customers also benefit from the comprehensive premium guarantee.

All details of the relevant products and systems, on registration and guarantee conditions are available at www.osram.com/system-guarantee

* After registering (beginning with guarantee level 2) the system and under specified conditions of use.

Double the power for new ideas in lighting: OSRAM and Traxon Technologies

Traxon Technologies, together with its control brand e:cue, is a global leader in solid state lighting and control systems providing complete, sustainable and intelligent lighting solutions. Working with an extensive partner network, Traxon Technologies transforms creative visions into unforgettable lighting experiences, elevating architectural, entertainment, hospitality and retail environments around the world.

Flexibility, simplicity and innovation are the guiding principles of the company. These values drive and shape every working process – from product development to planning and on-site project management to the final customized solution.

Among the customers and partners of Traxon Technologies are the leading companies in international lighting design, architecture and engineering. Together with them, Traxon and e:cue have completed over 4000 installations worldwide, including renowned architectural landmarks such as the Yas Hotel in Abu Dhabi, the Esprit flagship store in Frankfurt and the Christ statue in Rio de Janeiro. The company's product portfolio has won many prestigious awards, such as the iF Design Award, the Red Dot Design Award and the LFI Innovation Award, and therefore stands for innovation, aesthetic design and creativity.

Traxon Technologies, a joint venture with OSRAM participation since 2009, was completely acquired by OSRAM in 2011, thus strengthening the position of the company in the market by combining knowledge and experience in technology and marketing, and building on synergies with OSRAM's global presence.

For more information about Traxon's innovative lighting solutions, please visit *www.traxontechnologies.com*, where you can also download or order catalogs and brochures.

Overview by product name

Product reference	Product number	Page
BA01LA-W4F-765	4008321**641182**	58
BA01LA-W4F-830	4008321**641267**	58
BA01LA-W4F-840	4008321**693808**	58
BA01MA-B2	4008321**641168**	59
BA01MA-R2	4008321**641144**	59
BA01MA-W4F-765	4008321**640901**	59
BA01MA-W4F-830	4008321**641021**	59
BA01SA-B2	4008321**640888**	60
BA01SA-G2	4008321**640864**	60
BA01SA-O2	4008321**640840**	60
BA01SA-R2	4008321**640826**	60
BA01SA-W4F-765	4008321**640666**	60
BA01SA-W4F-830	4008321**640741**	60
BEETLED EU	4008321**421517**	247
BX03BA-W4F-765	4008321**641519**	57
BX03SA-W4F-765	4008321**641427**	56
BX03SA-W4F-830	4008321**693204**	56
BX03SA-W4F-840	4008321**693365**	56
BX-MP	4008321**981110**	61
Cable clamp OTp 45, OTp 35	4008321**966155**	78
CALYX Ceiling	4008321**984142**	216
CALYX Pendant	4008321**984333**	214
CL A 15 (clear)	4008321**974617**	191
CL A 15 (clear)	4008321**974655**	191
CL A 40 320° 827 Adv FR	4008321**979124**	192
CL A 40 827 ADV FR	4008321**960610**	191
CL A 50 827 Adv FR	4008321**965165**	192
CL A 60 320° 827 Adv FR	4008321**973498**	192
CL A 60 927 Adv FR	4008321**973672**	192
CL A 60 Adv FR WW LEDOTRON	4008321**988553**	192
CL A 75 320° 827 Adv FR	4008321**973511**	192
CLASSIC B 25 FR WW	4008321**984128**	195
CL B 15 (clear)	4008321**974778**	194
CL B 15 (clear)	4008321**974815**	194
CL B 25 CD 827	4008321**990631**	194
CL G 15 (clear)	4008321**974556**	199
CL G 40 (frosted)	4008321**965387**	199
CL P 15 (clear)	4008321**974693**	197
CL P 15 (clear)	4008321**974730**	197
CL P 15 (clear)	4008321**974853**	196
CL P 25 827 ADV FR	4008321**994073**	198
CL P 25 827 ADV FR	4008321**994172**	196
CONCRETE BOX 5,7 71320	4008321**552556**	179
Covelight Connection Cable	4008321**685469**	221
Covelight Entry Cable EU	4008321**685421**	221
Covelight Entry Cable UK	4008321**685445**	221
Covelight L 827 DIM	4008321**670182**	220
Covelight L 830 DIM	4008321**981967**	220
Covelight L 840 DIM	4008321**670236**	220
Covelight M 827 DIM	4008321**670014**	220
Covelight M 827 ECO	4008321**669926**	220
Covelight M 830 DIM	4008321**981974**	220
Covelight M 830 ECO	4008321**669957**	220
Covelight M 840 DIM	4008321**670069**	220
Covelight M 840 ECO	4008321**669988**	220
Covelight S 827 DIM	4008321**669841**	220
Covelight S 827 ECO	4008321**669759**	220
Covelight S 830 DIM	4008321**981950**	220
Covelight S 830 ECO	4008321**669780**	220

Product reference	Product number	Page
Covelight S 840 DIM	4008321**669896**	220
Covelight S 840 ECO	4008321**669810**	220
CP51-W4F-4-827	4008321**975843**	18
CP51-W4F-4-857	4008321**975867**	18
CP51-W4F-8-827	4008321**975881**	18
CP51-W4F-8-857	4008321**975904**	18
CP51-W4F-10-827	4008321**975928**	18
CP51-W4F-10-857	4008321**975942**	18
CPDPHS-51	4008321**975829**	46
CROSSER Large	4008321**957542**	261
CROSSER Medium	4008321**957511**	261
CROSSER Micro	4008321**957450**	260
CROSSER Multifunction	4008321**957573**	258
CROSSER Small	4008321**957481**	260
CROSSER Spotlight	4008321**957634**	259
CROSSER Tube	4008321**957603**	258
CT5B-W4F-827-L24	4008321**989420**	19
CT5B-W4F-830-L24	4008321**989444**	19
CT7B-W4F-827-L24	4008321**989468**	19
CT7B-W4F-830-L24	4008321**989482**	19
CT11B-W4F-827-L24	4008321**989505**	19
CT11B-W4F-830-L24	4008321**989529**	19
D06B-W4F-830	4008321**395757**	32
DALI CON 1...10 LI	4050300**638973**	172
DALI CON 1...10 SO	4050300**639802**	173
DALI EASY III	4008321**053046**	152
DALI EASY RMC	4008321**053152**	157
DALI EASY SO	4008321**691040**	153
DALI magic	4008321**582768**	169
DALI MCU	4008321**189721**	123
DALI MULTIeco	4008321**371300**	143
DALI MULTIeco	4008321**659262**	143
DALI PRO Cont-4	4008321**478948**	161
DALI PRO Cont-4 RTC	4008321**710871**	161
DALI PRO PB Coupler	4008321**496461**	162
DALI PRO Sensor Coupler	4008321**379269**	162
DALI PRO Touch Panel	4008321**957009**	164
DALI REP LI	4008321**292599**	170
DALI REP SO	4008321**301093**	171
DALI SWITCH SO	4008321**533364**	174
DC24B-RGBW	4008321**709219**	43
DC24B-TW	4008321**709233**	29
DC24HS	4008321**657992**	46
DE1-W3F-830	4008321**365361**	20
DE1-W4F-854	4008321**364999**	20
DIM MCU P	4050300**347424**	123
DIM MICO	4008321**586056**	133
DIM MULTI	4050300**554471**	134
DIM MULTIeco	4008321**507273**	144
DIM MULTIeco	4008321**659279**	144
DIM PICO	4050300**554457**	132
DIM SA	4008321**097095**	172
DMX CONV DALI SO	4008321**532336**	174
DMX ISOL REP	4008321**621832**	171
DOT-it Classic	4008321**930491**	253
DOT-it LINEAR VARIO Platinum Silver	4008321**930828**	255
DOT-it VARIO Platinum Silver	4008321**930705**	254
DP35-W4F-3-827	4008321**976123**	17
DP35-W4F-3-857	4008321**976147**	17

Product reference	Product number	Page
DP35-W4F-7-827	4008321**976161**	17
DP35-W4F-7-857	4008321**976185**	17
DP35-W4F-9-827	4008321**976208**	17
DP35-W4F-9-857	4008321**976222**	17
DP51-W4F-3-827	4008321**976123**	17
DP51-W4F-3-857	4008321**976246**	17
DP51-W4F-7-827	4008321**976284**	17
DP51-W4F-7-857	4008321**976307**	17
DP51-W4F-9-827	4008321**976321**	17
DP51-W4F-9-857	4008321**976345**	17
DUO	4008321**496355**	125
DX01-W4F-830	4008321**960023**	16
DX01-W4F-854	4008321**960047**	16
EASY Color Drive	4008321**421777**	156
EASY DMX 16x4 SO	4008321**441539**	151
EASY DMX 32x4 SO	4008321**441553**	151
EASY DMX 64x4 SO	4008321**441577**	151
EASY Hybrid Remote	4008321**421739**	155
EASY IR	4008321**053138**	157
EASY IR CI	4008321**915573**	158
EASY PB COUPLER	4008321**915597**	158
EASY PC KIT	4008321**915559**	159
EASY RC	4008321**421753**	156
EASY SYS CP	4008321**320902**	159
EASY Touch Panel	4008321**956989**	154
e:bus DALI Gateway	4008321**957085**	165
ECO CI KIT	4008321**392091**	176
Glass Touch 6	4008321**957108**	163
Glass Touch 6 TW	4008321**957054**	163
Glass Touch 12	4008321**957115**	164
HIGH BAY	4008321**410078**	129
HOLLOW BOX 5,7 V71620	4008321**552532**	179
HPML AD-W4-765 L130X50 46V	4008321**643063**	64
HPML AD-W4F-740 L60X60 46V	4008321**643308**	64
HPML AD-W4F-765 L60X60 46V	4008321**643124**	64
HPML AD-W4F-830 L60X60 46V	4008321**642875**	64
HPML CC-W4-765 L30X30	4008321**660763**	63
HPML CC-W4-765 L60X60	4008321**660831**	63
HPML CC-W4-765 L75X130	4008321**660893**	63
HPML CC-W4F-830 L30X30	4008321**630148**	63
HPML CC-W4F-830 L60X60	4008321**630506**	63
HPML CC-W4F-830 L75X130	4008321**579362**	63
HPML CC-W4F-840 L30X30	4008321**630261**	63
HPML CC-W4F-840 L60X60	4008321**630629**	63
HPML CC-W4F-840 L75X130	4008321**579485**	63
KIT LED CLASSIC R WT PAR16 35	4008321**664990**	246
KIT LED PRO R BR NI PAR16 20 6X1	4008321**963284**	245
KIT LED PRO R BR NI PAR16 35 6X1	4008321**982049**	245
KIT LED PRO R BR NI PAR16 50 6X1	4008321**982087**	245
KIT LED PRO R WT PAR16 35 6X1	4008321**982063**	245
KIT LED PRO R WT PAR16 50 6X1	4008321**982148**	245
KIT LED PRO S BR NI PAR16 20 6X1	4008321**963291**	245
KIT LED PRO S BR NI PAR16 35 6X1	4008321**982056**	245
KIT LED PRO S WT PAR16 35 6X1	4008321**982070**	245
LD-2CONN-40	4008321**182869**	51
LD-2CONN-100	4008321**182883**	51
LD-2PIN	4008321**182845**	51
LD06B-W4F-830-L30	4008321**394491**	33
LD06B-W4F-840	4008321**395870**	32
LD06B-W4F-840-L30	4008321**394613**	33
LD06B-W4F-854	4008321**395993**	32
LD06B-W4F-854-L30	4008321**395290**	33
LD06S-W4F-830	4008321**953308**	34
LD06S-W4F-840	4008321**953322**	34
LD-MB	4008321**225672**	55
LED Cone	4008321**624185**	232
LED Disk	4008321**624154**	233
LEDinestra WW FR S14d	4008321**975331**	203
LEDinestra WW FR S14s	4008321**975317**	203
LEDs DECO FLEX Add-on	4008321**524409**	222
LEDs DECO FLEX Extension Kit	4008321**972064**	222
LEDs DECO FLEX Set	4008321**524348**	222
LEDstixx	4008321**951236**	251
LED TRESOL 1x4.5W	4008321**587220**	244
LED TRESOL 2x4.5W	4008321**587244**	244
LED TRESOL 2x4.5W WT	4008321**990129**	244
LED TRESOL 4.5W WT	4008321**989369**	244
LED TRESOL Add-on	4008321**980014**	244
LED TRESOL Add-on WT	4008321**989345**	244
LEDVANCE DOWNLIGHT L 830 L60 WT	4008321**968753**	240
LEDVANCE DOWNLIGHT L 830 L100 WT	4008321**968760**	240
LEDVANCE DOWNLIGHT L 840 L60 WT	4008321**968777**	240
LEDVANCE DOWNLIGHT L 840 L100 WT	4008321**968784**	240
LEDVANCE DOWNLIGHT L RING AL	4008321**968791**	240
LEDVANCE DOWNLIGHT L WT 830 L60 DIM	4008321**981554**	240
LEDVANCE DOWNLIGHT L WT 830 L100 DIM	4008321**981561**	240
LEDVANCE DOWNLIGHT L WT 840 L60 DALI	4008321**981615**	239
LEDVANCE DOWNLIGHT L WT 840 L60 DIM	4008321**981578**	240
LEDVANCE DOWNLIGHT L WT 840 L100 DALI	4008321**981622**	239
LEDVANCE DOWNLIGHT L WT 840 L100 DIM	4008321**981585**	240
LEDVANCE DOWNLIGHT L WT 930 L60 DALI	4008321**981592**	239
LEDVANCE DOWNLIGHT L WT 930 L100 DALI	4008321**981608**	239
LEDVANCE DOWNLIGHT M 830 L36 WT	4008321**968678**	241
LEDVANCE DOWNLIGHT M 830 L36 WT DIM	4008321**968715**	241
LEDVANCE DOWNLIGHT M 840 L36 WT	4008321**968692**	241
LEDVANCE DOWNLIGHT M 840 L36 WT DIM	4008321**968739**	241
LEDVANCE DOWNLIGHT M RING AL	4008321**968746**	241
LEDVANCE DOWNLIGHT S 830 L80 AL	4008321**968623**	223
LEDVANCE DOWNLIGHT S 830 L80 WT	4008321**968630**	223
LEDVANCE DOWNLIGHT S 840 L80 AL	4008321**968647**	223
LEDVANCE DOWNLIGHT S 840 L80 WT	4008321**968654**	223
LEDVANCE DOWNLIGHT S AL CANOPY 4X1 OSRAM	4008321**691385**	223
LEDVANCE DOWNLIGHT S WT CANOPY 4X1 OSRAM	4008321**691345**	223
LEDVANCE DOWNLIGHT XL 830 L60 WT	4008321**968821**	238
LEDVANCE DOWNLIGHT XL 830 L100 WT	4008321**968838**	238
LEDVANCE DOWNLIGHT XL 840 L60 WT	4008321**968845**	238
LEDVANCE DOWNLIGHT XL 840 L60 WT DALI	4008321**968883**	237
LEDVANCE DOWNLIGHT XL 840 L100 WT	4008321**968852**	238
LEDVANCE DOWNLIGHT XL 840 L100 WT DALI	4008321**968890**	237
LEDVANCE DOWNLIGHT XL 930 L60 WT DALI	4008321**968869**	237
LEDVANCE DOWNLIGHT XL 930 L100 WT DALI	4008321**968876**	237
LEDVANCE DOWNLIGHT XL RING AL	4008321**968906**	238
LEP-630-830-LS	4008321**978844**	81
LEP-630-840-LS	4008321**978820**	81
LEP-800-827-C-Z2	4008321**745460**	74
LEP-800-830-C-Z2	4008321**745484**	74
LEP-800-835-C-Z2	4008321**745507**	74
LEP-800-840-C-Z2	4008321**745521**	74

Product reference	Product number	Page
LEP-800-840-HD-C	4008321**963406**	72
LEP-800-927-C-Z2	4008321**990457**	72
LEP-800-930-C-Z2	4008321**990471**	72
LEP-800-930-HD-C	4008321**963390**	72
LEP-800-935-C-Z2	4008321**990495**	72
LEP-800-940-C-Z2	4008321**990518**	72
LEP-1000-830-A	4008321**991652**	83
LEP-1000-830-L	4008321**975638**	80
LEP-1000-830-LS	4008321**978882**	81
LEP-1000-840-A	4008321**991638**	83
LEP-1000-840-L	4008321**971944**	80
LEP-1000-840-LS	4008321**978868**	81
LEP-1000-850-L	4008321**975652**	80
LEP-1500-827-C-Z2	4008321**745545**	74
LEP-1500-830-C-Z2	4008321**745569**	74
LEP-1500-835-C-Z2	4008321**745583**	74
LEP-1500-840-C-Z2	4008321**745606**	74
LEP-1500-840-HD-C	4008321**644480**	72
LEP-1500-927-C-Z2	4008321**990372**	72
LEP-1500-930-C-Z2	4008321**990396**	72
LEP-1500-930-HD-C	4008321**644466**	72
LEP-1500-935-C-Z2	4008321**990419**	72
LEP-1500-940-C-Z2	4008321**990433**	72
LEP-2000-827-C-Z2	4008321**745422**	74
LEP-2000-830-C-Z2	4008321**745361**	74
LEP-2000-830-L	4008321**975690**	80
LEP-2000-830-LS	4008321**978929**	81
LEP-2000-835-C-Z2	4008321**745446**	74
LEP-2000-840-C-Z2	4008321**745408**	74
LEP-2000-840-L	4008321**975676**	80
LEP-2000-840-LS	4008321**978905**	81
LEP-2000-850-L	4008321**975713**	80
LEP-2000-927-C-Z2	4008321**990297**	72
LEP-2000-930-C-Z2	4008321**990310**	72
LEP-2000-935-C-Z2	4008321**990334**	72
LEP-2000-940-C-Z2	4008321**990358**	72
LEP-2100-840-HD-C	4008321**963369**	72
LEP-2100-930-HD-C	4008321**963352**	72
LEP-2500-740-CT2	4008321**989017**	84
LEP-3000-827-C-Z2	4008321**993786**	74
LEP-3000-830-C-Z2	4008321**993809**	74
LEP-3000-835-C-Z2	4008321**993823**	74
LEP-3000-840-C-Z2	4008321**993847**	74
LEP-3000-840-HD-C	4008321**966094**	72
LEP-3000-927-C-Z2	4008321**993861**	72
LEP-3000-930-C-Z2	4008321**993885**	72
LEP-3000-930-HD-C	4008321**966070**	72
LEP-3000-935-C-Z2	4008321**993908**	72
LEP-3000-940-C-Z2	4008321**990273**	72
LEP-4000-657-CT3	4008321**989109**	84
LEP-4000-740-CT3	4008321**989093**	84
LEP-4000-827-C-Z2	4008321**993700**	74
LEP-4000-830-C-Z2	4008321**993724**	74
LEP-4000-835-C-Z2	4008321**993748**	74
LEP-4000-840-C-Z2	4008321**993762**	74
LEP-4000-927-C-Z2	4008321**991966**	72
LEP-4000-930-C-Z2	4008321**991980**	72
LEP-4000-935-C-Z2	4008321**992000**	72
LEP-4000-940-C-Z2	4008321**992024**	72
LEP-5000-830-C-Z2	4008321**993649**	74
LEP-5000-835-C-Z2	4008321**993663**	74
LEP-5000-840-C-Z2	4008321**993687**	74
LEP-5000-930-C-Z2	4008321**991904**	72

Product reference	Product number	Page
LEP-5000-935-C-Z2	4008321**991928**	72
LEP-5000-940-C-Z2	4008321**991942**	72
LEP-6000-657-CT3	4008321**989123**	84
LEP-6000-740-CT3	4008321**989116**	84
LEP PreMix	4008321**674982**	78
LF-2CONN PROTECT	4008321**977083**	47
LF-2PIN FLEX	4008321**955326**	48
LF-2PIN PROTECT	4008321**977069**	47
LF-2TERM FLEX	4008321**955357**	48
LF-4CONN PROTECT	4008321**977090**	47
LF-4PIN	4008321**514585**	49
LF-4PIN PROTECT	4008321**977076**	47
LF05A-B3-P	4008321**617804**	22
LF05A-W3F-830-P	4008321**617217**	22
LF05A-W3F-840-P	4008321**619266**	22
LF05A-W3F-860-P	4008321**617392**	22
LF05CA-RGB3	4008321**592644**	41
LF05CA-RGB3-P	4008321**977205**	42
LF05CE-RGB1	4008321**593375**	41
LF05CE-RGB1-P	4008321**977182**	42
LF05E2-W2F-730	4008321**971371**	28
LF05E2-W2F-740	4008321**971395**	28
LF05E2-W2F-827	4008321**971357**	28
LF05E2-W2F-865	4008321**971418**	28
LF05E-B2	4008321**955425**	28
LF05E-B2-P	4008321**616913**	23
LF05E-R1	4008321**955418**	28
LF05E-R1-P	4008321**616937**	23
LF05E-T2	4008321**955449**	28
LF05E-T2-P	4008321**616951**	23
LF05E-W2F-830-P	4008321**616432**	23
LF05E-W2F-840-P	4008321**621184**	23
LF05E-W2F-860-P	4008321**616777**	23
LF05E-Y1	4008321**955432**	28
LF05E-Y1-P	4008321**616975**	23
LF06A-W3F-827	4008321**973986**	27
LF06A-W3F-830	4008321**973993**	27
LF06A-W3F-840	4008321**974006**	27
LF06A-W3F-854	4008321**974013**	27
LF06A-W3F-865	4008321**974020**	27
LF06P2-W5F-827	4008321**971272**	25
LF06P2-W5F-830	4008321**971296**	25
LF06P2-W5F-840	4008321**971319**	25
LF06P2-W5F-854	4008321**971791**	25
LF06P2-W5F-865	4008321**971340**	25
LF06P-W4F-827-P	4008321**621894**	21
LF06P-W4F-830-P	4008321**621870**	21
LF06P-W4F-840-P	4008321**621856**	21
LF06P-W4F-854-P	4008321**621917**	21
LF06S-W3F-827	4008321**973887**	26
LF06S-W3F-830	4008321**973894**	26
LF06S-W3F-840	4008321**973900**	26
LF06S-W3F-854	4008321**973917**	26
LF06S-W3F-865	4008321**973924**	26
LF-CLIP FIXTURE PROTECT	4008321**644749**	47
LF-CLIP FIXTURE PROTECT	4008321**644749**	47
LF-CONN-10 FLEX	4008321**955333**	48
LF-CONN-10 FLEX	4008321**955333**	49
LF-CONN-150 FLEX	4008321**955340**	48
LF-CONN-150 FLEX	4008321**955340**	49
LF-ENDCAP PROTECT	4008321**977106**	47
LF-ENDCAP PROTECT	4008321**977106**	47
LK 40 LED Cold white	4050300**824062**	262

Product reference	Product number	Page
LK 40 LED Color Changing	4008321**088413**	264
LK 40 LED Warm white	4008321**060907**	262
LK 80 LED BLUE	4008321**214126**	263
LK 80 LED Cold white	4050300**824086**	262
LK 80 LED Color Changing	4008321**088437**	264
LK 80 LED PINK	4008321**214041**	263
LK 80 LED Warm white	4008321**060921**	262
LK 80 LED Yellow	4008321**208422**	263
LK 120 LED Cold white	4008321**208385**	262
LK 120 LED Warm white	4008321**070937**	262
LK 320 LED Cold white	4008321**208408**	262
LK 320 LED Warm white	4008321**208521**	262
LM01A-A1	4050300**887128**	31
LM01A-B2	4008321**313652**	31
LM01A-O1	4050300**888040**	31
LM01A-T2	4050300**887845**	31
LM01A-W3F-827	4008321**372390**	31
LM01A-W3F-830	4008321**342997**	31
LM01A-W3F-840	4008321**343413**	31
LM01A-W3F-854	4008321**387950**	31
LM01A-Y1	4008321**015969**	31
LM-2CONN	4008321**908643**	50
LM-2CONN-50	4008321**908667**	50
LM-2PIN	4008321**908629**	50
LM-2PIN FLEX	4008321**916211**	48
LM11A-W3-847	4008321**187161**	30
LM11A-W3-854	4008321**187185**	30
LM11A-W3-865	4008321**187208**	30
LM-CONN-10 FLEX	4008321**916259**	48
LM-CONN-150 FLEX	4008321**931375**	48
LMS CI BOX	4008321**083692**	177
LR-4CONN-45	4008321**971814**	50
LR-4CONN-250	4008321**994400**	50
LR-4PIN-500	4008321**971852**	50
LR14A-W2F-830	4008321**978400**	37
LR14A-W2F-830-L30	4008321**971678**	38
LR14A-W2F-830-L80	4008321**978424**	38
LR14A-W2F-840	4008321**971531**	37
LR14A-W2F-840-L30	4008321**971692**	38
LR14A-W2F-840-L80	4008321**978448**	38
LR14E-W2F-830	4008321**971555**	39
LR14E-W2F-830-L30	4008321**971715**	40
LR14E-W2F-830-L80	4008321**978585**	40
LR14E-W2F-840	4008321**971579**	39
LR14E-W2F-840-L30	4008321**971739**	40
LR14E-W2F-840-L80	4008321**978608**	40
LR18CE	4008321**971616**	44
LR18CE-560	4008321**971777**	45
LR18CP	4008321**971593**	44
LR18CP-560	4008321**971753**	45
LR21P-W2F-830	4008321**971470**	35
LR21P-W2F-830-L30	4008321**971630**	36
LR21P-W2F-830-L80	4008321**978707**	36
LR21P-W2F-840	4008321**971494**	35
LR21P-W2F-840-L30	4008321**971654**	36
LR21P-W2F-840-L80	4008321**978721**	36
LR28CA	4008321**978547**	44
LR28CA-560	4008321**978561**	45
LS/PD MULTI 3	4050300**802138**	145
LS/PD MULTI 3	4050300**802138**	165
LS/PD MULTI 3 A	4008321**653581**	145
LS/PD MULTI 3 A	4008321**653581**	166
LS/PD MULTI 3 A	4008321**659385**	145
LS/PD MULTI 3 A	4008321**659385**	166
LS/PD MULTI 3 A-w	4008321**653604**	145
LS/PD MULTI 3 A-w	4008321**653604**	166
LS/PD MULTI 3 A-w	4008321**659392**	145
LS/PD MULTI 3 A-w	4008321**659392**	166
LS/PD MULTI 3 B	4050300**803081**	146
LS/PD MULTI 3 B	4050300**803081**	166
LS/PD MULTI 3 B-w	4008321**988638**	146
LS/PD MULTI 3 B-w	4008321**988638**	166
LS/PD MULTI 3 CI	4008321**916648**	147
LS/PD MULTI 3 CI	4008321**916648**	167
LS/PD MULTI 3 FL	4008321**047342**	146
LS/PD MULTI 3 FL	4008321**047342**	167
LT-280	4008321**975973**	54
LT-560	4008321**975997**	54
LT-ENDCAP	4008321**976116**	54
LT-H047-P	4008321**239563**	54
LT-H047-S	4008321**256805**	54
LT-H143-P	4008321**239587**	54
LT-H143-S	4008321**256829**	54
LUMINESTRA eco LED 7W 3000K	4006584**922963**	227
LUMINESTRA eco LED 7W 4000K	4006584**922987**	227
LUMINESTRA LED 8W 3000K	4008321**524461**	226
LUMINESTRA LED 8W 4000K	4008321**524485**	226
LUMINESTRA LED 13W 3000K	4008321**710581**	226
LUMINESTRA LED 13W 4000K	4008321**710604**	226
LUNETTA LED	4050300**952505**	249
LUNETTA LED Colormix	4008321**053855**	249
MOUNTING ADAPTER	4008321**480798**	175
MR11 20 24° 830	4008321**975553**	190
MR16 20 36° 828 Adv	4008321**682611**	190
MR16 20 36° 830	4008321**521927**	190
MR16 20 36° 830 Adv	4008321**682574**	190
MULTIeco	4008321**405302**	142
MULTIeco	4008321**659286**	142
NIGHTLUX silver	4008321**985743**	250
NIGHTLUX white	4008321**376596**	250
NOXLITE LED SPOT 2x8W	4008321**981981**	265
NOXLITE LED SPOT 2x8W Sensor	4008321**981998**	266
NOXLITE LED SPOT 6W	4008321**960931**	265
NOXLITE LED SPOT 6W Sensor	4008321**960948**	266
NOXLITE LED SPOT 8W	4008321**960955**	265
NOXLITE LED SPOT 8W Sensor	4008321**960962**	266
NOXLITE LED SPOT 8W Sensor	4008321**998385**	266
NOXLITE LED WALL Double Sensor	4008321**960986**	267
NOXLITE LED WALL Double Sensor	4008321**998422**	267
NOXLITE LED WALL Round Sensor	4008321**980519**	268
NOXLITE LED WALL Round Sensor	4008321**998446**	268
NOXLITE LED WALL Single Sensor	4008321**960979**	267
NOXLITE LED WALL Single Sensor	4008321**998408**	267
OP1x1-10	4008321**909893**	53
OP1x1-14x22	4008321**909787**	53
OP1x1-30	4008321**909770**	53
OP4x1	4008321**908704**	52
OPLR1x1-20x50	4008321**976048**	52
OPLR1x1-30	4008321**976000**	52
OPLR1x1-80	4008321**976024**	52
ORBEOS CDW-030	In preparation	12
ORBEOS DANCE	4008321**981097**	13
ORBEOS SDW-058	In preparation	12
ORBIS EU	4008321**445476**	248
OT 6/200-240/24 CE	4008321**113269**	108
OT 8/200-240/24	4008321**040169**	108

Product reference	Product number	Page
OT 9/10-24/350 DIM	4050300**888897**	101
OT 9/200-240/350	4050300**888262**	100
OT 9/200-240/350 DIM	4008321**187321**	100
OT 12/220-240/10 LE	4008321**174253**	112
OT 15/220-240/10	4008321**391544**	112
OT 18/200-240/700 DIM	4008321**139320**	97
OT 20/120-240/24 S	4050300**662626**	107
OT 20/220-240/24	4050300**618111**	107
OT 35/220-240/700 LTCS	4008321**664419**	94
OT 45/220-240/700 LTCS	4008321**664433**	94
OT 50/220-240/10	4050300**817491**	111
OT 50/220-240/10 E	4008321**362452**	111
OT 50/220-240/700 3DIMLT E	4008321**664457**	91
OT 50/220-240/700 LT E	4008321**774255**	92
OT 65/220-240/24 3DIM E	4008321**964403**	102
OT 75/220-240/24	4050300**817477**	106
OT 75/220-240/24 E	4008321**362476**	106
OT 80/220-240/24 DIM P	4008321**981677**	105
OT 80/220-240/24 P	4008321**981684**	105
OT 90/220-240/700 3DIMLT E	4008321**664471**	91
OT 90/220-240/700 LT E	4008321**664976**	92
OT 120/220-240/24 DIM P	4008321**981691**	104
OT 120/220-240/24 P	4008321**981707**	104
OT 240/220-240/24 DIM P	4008321**981714**	103
OT 240/220-240/24 P	4008321**981721**	103
OT DALI 45/220-240/700 LTCS	4008321**978240**	93
OT DIM	4050300**943459**	115
OT DMX 3×1 RGB DIM	4008321**279835**	116
OT DMX 3×350 DIM LI	4008321**602060**	118
OT DMX 3x2.5 A DIM	4008321**533265**	117
OT DMX 3x2.5 A PCB DIM	4008321**533289**	117
OT DMX 6×350/700 DIM SO	4008321**572684**	119
OT DMX 9x2 A DIM SO	4008321**533302**	118
OT DMX 12×350/700 DIM SO	4008321**572707**	119
OT DMX RGB DIM	4008321**160829**	116
OTe 9/220-240/350 PC	4008321**978387**	95
OTe 9/220-240/700 PC	4008321**688842**	95
OTe 13/220-240/350 SD	4008321**519795**	99
OTe 15/220-240/12 P	4008321**974433**	110
OTe 15/220-240/350 PC	4008321**700346**	95
OTe 15/220-240/700 PC	In preparation	95
OTe 20/220-240/350 PC	4008321**978349**	95
OTe 20/220-240/700 PC	4008321**978363**	95
OTe 25/220-240/2x350 SD	4008321**523686**	99
OTe 30/220-240/12 P	4008321**974440**	110
OTe 35/220-240/700	4008321**691248**	97
OTe 35/220-240/700 SD	4008321**989543**	96
OTe 60/220-240/12 P	4008321**974457**	109
OTe 70/220-240/2x700 SD	4008321**989567**	96
OTe 90/220-240/4x350 E	4008321**637345**	98
OTe 90/220-240/4x500 E	4008321**651600**	98
OTe 120/220-240/12 P	4008321**974464**	109
OT EASY 32	4008321**547088**	150
OT EASY 60 II	4008321**187796**	149
OTi DALI 2x700 CS	4008321**694317**	114
OTi DALI 75/220-240/24	4008321**371560**	102
OTi DALI DIM	4008321**061195**	113
OTi DALI DIM LI	4008321**624437**	113
OTp 15/220-240/700 HD	4008321**962225**	76
OTp 35/220-240/700	4008321**962218**	76
OTp 35/220-240/700 HD	4008321**963420**	76
OTp 40/220-240/700 L	4008321**975737**	82
OTp 45/220-240/700 HD	4008321**966117**	76

Product reference	Product number	Page
OTp 45/220-240/700 HD FAN	4008321**633705**	76
OTp 60/220-240/2000 FAN	4008321**990532**	76
OTp cable 400mm	4008321**966131**	78
OTp cable 800mm	4008321**590565**	78
OTp cable L 800mm	4008321**978967**	82
OTp cable Z2 400mm	4008321**679543**	78
OTp cable Z2 800mm	4008321**679512**	78
OTp cable Z2 OW 800mm	4008321**991676**	78
OTp DALI 35/220-240/700 HD	4008321**963413**	76
OTp DALI 45/220-240/400 LS	4008321**975751**	82
OTp DALI 45/220-240/700 HD FAN	4008321**659880**	76
OTR-280-LR14A/E	4008321**994448**	52
OTR-280-LR14A/E/LR28CA	4008321**976086**	52
OTR-280-LR21P	4008321**976062**	52
OT RGB DIM	4050300**793108**	115
OT RGB SEQ	4050300**792460**	115
OUTDOOR	4008321**957061**	131
PAR16 20 35° 740	4008321**973634**	188
PAR16 20 35° 765	4008321**965721**	188
PAR16 20 35° 828	4008321**973108**	188
PAR16 20 35° 830	4008321**965769**	188
PAR16 20 35° 830	4008321**980502**	188
PAR16 35 35° 828	4008321**973061**	188
PAR16 35 35° 830	4008321**979506**	189
PAR16 35 35° 830	4008321**980489**	188
PAR16 35 35° 830 Adv	4008321**975379**	189
PARATHOM LED PIN G4	4008321**977281**	202
Polybar Connection Cable	4008321**626530**	225
Polybar Connection Cable	4008321**626554**	225
Polybar Connection Cable	4008321**626578**	225
Polybar Entry Cable EU	4008321**626493**	225
Polybar Entry Cable UK	4008321**626516**	225
POLYBAR L 830 L80	4008321**962386**	224
POLYBAR L 840 L80	4008321**962416**	224
POLYBAR L 850 L80	4008321**962447**	224
POLYBAR M 830 L80	4008321**963345**	224
POLYBAR M 840 L80	4008321**962409**	224
POLYBAR M 850 L80	4008321**962430**	224
POLYBAR S 830 L80	4008321**963338**	224
POLYBAR S 840 L80	4008321**962393**	224
POLYBAR S 850 L80	4008321**962423**	224
Polybar Swivel Base L	4008321**626462**	225
Polybar Swivel Base M	4008321**626431**	225
Polybar Swivel Base S	4008321**626400**	225
POWERSPOT M 840 L24 AL	4008321**647849**	235
POWERSPOT M 840 L24 BK	4008321**678737**	235
POWERSPOT M 840 L24 WT	4008321**647740**	235
POWERSPOT M 840 L40 AL	4008321**647863**	235
POWERSPOT M 840 L40 BK	4008321**678751**	235
POWERSPOT M 840 L40 WT	4008321**647788**	235
POWERSPOT M 930 L24 AL	4008321**647801**	235
POWERSPOT M 930 L24 BK	4008321**678690**	235
POWERSPOT M 930 L24 WT	4008321**647672**	235
POWERSPOT M 930 L40 AL	4008321**647825**	235
POWERSPOT M 930 L40 BK	4008321**678713**	235
POWERSPOT M 930 L40 WT	4008321**647726**	235
POWERSPOT XL 840 L24 AL	4008321**648006**	234
POWERSPOT XL 840 L24 BK	4008321**678836**	234
POWERSPOT XL 840 L24 WT	4008321**647924**	234
POWERSPOT XL 840 L40 AL	4008321**648020**	234
POWERSPOT XL 840 L40 BK	4008321**678850**	234
POWERSPOT XL 840 L40 WT	4008321**981929**	234
POWERSPOT XL 930 L24 AL	4008321**647962**	234

Product reference	Product number	Page
POWERSPOT XL 930 L24 BK	4008321**678799**	234
POWERSPOT XL 930 L24 WT	4008321**647900**	234
POWERSPOT XL 930 L40 AL	4008321**647986**	234
POWERSPOT XL 930 L40 BK	4008321**678812**	234
POWERSPOT XL 930 L40 WT	4008321**981912**	234
POWERSPOT XXL 840 L24 AL	4008321**648167**	234
POWERSPOT XXL 840 L24 BK	4008321**678911**	234
POWERSPOT XXL 840 L24 WT	4008321**648082**	234
POWERSPOT XXL 840 L40 AL	4008321**648181**	234
POWERSPOT XXL 840 L40 BK	4008321**678935**	234
POWERSPOT XXL 840 L40 WT	4008321**981943**	234
POWERSPOT XXL 930 L24 AL	4008321**648129**	234
POWERSPOT XXL 930 L24 BK	4008321**678874**	234
POWERSPOT XXL 930 L24 WT	4008321**648044**	234
POWERSPOT XXL 930 L40 AL	4008321**648143**	234
POWERSPOT XXL 930 L40 BK	4008321**678898**	234
POWERSPOT XXL 930 L40 WT	4008321**981936**	234
POWERstixx Add-on	4008321**962898**	215
POWERstixx Connector Set	4008321**960566**	215
POWERstixx Pendant Kit	4008321**960559**	215
POWERstixx Set	4008321**962874**	215
PRO LEDspot 111 50 24° Adv	4008321**972392**	187
PRO LEDspot 111 50 24° Adv	4008321**972415**	187
PRO MR16 20 24° 840 Adv	4008321**973290**	184
PRO MR16 20 24° 927 Adv	4008321**973252**	184
PRO MR16 20 24° 930 Adv	4008321**973276**	184
PRO MR16 20 36° 840 Adv	4008321**972118**	184
PRO MR16 20 36° 927 Adv	4008321**972217**	184
PRO MR16 20 36° 930 Adv	4008321**972095**	184
PRO MR16 35 24° 827 Adv	4008321**973313**	185
PRO MR16 35 24° 830 Adv	4008321**973337**	185
PRO MR16 35 24° 840 Adv	4008321**973351**	185
PRO MR16 35 36° 827 Adv	4008321**972231**	185
PRO MR16 35 36° 830 Adv	4008321**972132**	185
PRO MR16 35 36° 840 Adv	4008321**972156**	185
PRO MR16 50 24° 827 Adv	4008321**991492**	186
PRO MR16 50 24° 830 Adv	4008321**991515**	186
PRO MR16 50 36° 827 Adv	4008321**991423**	186
PRO MR16 50 36° 830 Adv	4008321**991447**	186
PRO MR16 60 36° 827 Adv	4008321**972316**	186
PRO MR16 60 36° 830 Adv	4008321**972170**	186
PRO PAR16 35 25° 840 Adv	4008321**973412**	182
PRO PAR16 35 25° 927 Adv	4008321**973375**	182
PRO PAR16 35 25° 930 Adv	4008321**973399**	182
PRO PAR16 35 35° 840 Adv	4008321**972293**	182
PRO PAR16 35 35° 927 Adv	4008321**972255**	182
PRO PAR16 35 35° 930 Adv	4008321**972279**	182
PRO PAR16 50 25° 840 Adv	4008321**973474**	183
PRO PAR16 50 25° 927 Adv	4008321**973436**	183
PRO PAR16 50 25° 930 Adv	4008321**973450**	183
PRO PAR16 50 35° 830 Adv	4008321**973771**	183
PRO PAR16 50 35° 840 Adv	4008321**973795**	183
PRO PAR16 50 35° 927 Adv	4008321**972736**	183
PRO PAR16 50 35° LEDOTRON	4008321**988560**	183
PRO PAR16 75 25° 765 Adv	4008321**972910**	183
PRO PAR16 75 25° 827 Adv	4008321**972873**	183
PRO PAR16 75 25° 830 Adv	4008321**972897**	183
PRO PAR16 75 35° 765 Adv	4008321**972378**	183
PRO PAR16 75 35° 827 Adv	4008321**972330**	183
PRO PAR16 75 35° 830 Adv	4008321**972354**	183
PS 30	4008321**555311**	175
QOD Add-on	4008321**962935**	228
QOD CHROME Add-on	4008321**646972**	228

Product reference	Product number	Page
QOD CHROME Starter Set	4008321**646958**	228
QOD DOMINO long 3x4W	4008321**975041**	229
QOD DOMINO long 5x4W	4008321**975072**	229
QOD DOMINO short 2x4W	4008321**974983**	229
QOD DOMINO short 3x4W	4008321**975010**	229
QOD EXTENSION CABLE 1.5 m	4008321**972842**	228
QOD EXTENSION CABLE 1.5 m	4008321**972842**	242
QOD L	4008321**974952**	242
QOD M	4008321**974921**	242
QOD S	4008321**971975**	242
QOD Starter Set	4008321**962911**	228
SENSOR KIT	4008321**916662**	176
SILENTO Lungo	4008321**985668**	212
SILENTO Poco	4008321**985651**	212
SIRIUS Large	4008321**957429**	256
SIRIUS Medium	4008321**957399**	256
SIRIUS Small	4008321**957368**	257
SLA1-L-105-830-L80x140	4008321**958877**	65
SLA1-L-123-742-L80x140	4008321**965967**	65
SLA1-L-143-760-L80x140	4008321**958853**	65
SLA1-SL-105-830-L80x140	4008321**960085**	65
SLA1-SL-123-742-L80x140	4008321**965981**	65
SLA1-SL-143-760-L80x140	4008321**960061**	65
Slim Shape LED 8W Sensor	4008321**975164**	231
Slim Shape LED 13W Sensor	4008321**975195**	231
Slim Shape LED I 8W	4008321**977519**	230
Slim Shape LED I 13W	4008321**974501**	230
SLP1-W4F-765-L75x130	4008321**964755**	62
SLP1-W4F-830-L75x130	4008321**964724**	62
SLP1-W4F-840-L75x130	4008321**964731**	62
SLP1-W4F-854-L75x130	4008321**964748**	62
SOLAR	4008321**385628**	126
SPECIAL T26 15	4008321**965004**	201
SPECIAL T26 15	4008321**973719**	201
SPOTLIGHT XL 840 L40 AL	4008321**649515**	236
SPOTLIGHT XL 840 L40 WT	4008321**981905**	236
SPOTLIGHT XL 930 L40 AL	4008321**649478**	236
SPOTLIGHT XL 930 L40 WT	4008321**981899**	236
SPOTLIGHT XXL 840 L24 AL	4008321**743183**	236
SPOTLIGHT XXL 840 L24 WT	4008321**743169**	236
SPOTLIGHT XXL 840 L40 AL	4008321**743220**	236
SPOTLIGHT XXL 840 L40 WT	4008321**743244**	236
SPOTLIGHT XXL 930 L24 AL	4008321**743305**	236
SPOTLIGHT XXL 930 L24 WT	4008321**743282**	236
SPOTLIGHT XXL 930 L40 AL	4008321**743367**	236
SPOTLIGHT XXL 930 L40 WT	4008321**743343**	236
SPYLUX	4008321**935021**	252
ST8-EA2-104-830	4008321**984593**	208
ST8-EA2-115-840	4008321**984616**	208
ST8-EA2-115-850	4008321**984630**	208
ST8-EA4-230-830	4008321**984678**	208
ST8-EA4-256-840	4008321**984692**	208
ST8-EA4-256-850	4008321**984715**	208
ST8-EA5-288-830	4008321**984753**	208
ST8-EA5-320-840	4008321**984777**	208
ST8-EA5-320-850	4008321**984791**	208
ST8-HA2-67-830	4008321**980861**	206
ST8-HA2-67-840	4008321**980854**	206
ST8-HA2-83-750	4008321**980847**	206
ST8-HA2-120-830	4008321**993410**	205
ST8-HA2-120-840	4008321**993434**	205
ST8-HA2-120-850	4008321**993458**	205
ST8-HA4-135-830	4008321**980892**	206

Product reference	Product number	Page
ST8-HA4-135-840	4008321**980885**	206
ST8-HA4-165-750	4008321**980878**	206
ST8-HA4-240-830	4008321**993472**	205
ST8-HA4-240-840	4008321**993496**	205
ST8-HA4-240-850	4008321**993519**	205
ST8-HA5-165-830	4008321**980922**	206
ST8-HA5-165-840	4008321**980915**	206
ST8-HA5-205-750	4008321**980908**	206
ST8-HA5-300-830	4008321**993533**	205
ST8-HA5-300-840	4008321**993557**	205
ST8-HA5-300-850	4008321**993571**	205
ST8-HB2-830	4008321**972538**	207
ST8-HB2-840	4008321**972545**	207
ST8-HB2-865	4008321**972569**	207
ST8-HB4-830	4008321**972576**	207
ST8-HB4-840	4008321**972583**	207
ST8-HB4-865	4008321**972606**	207
ST8-HB5-830	4008321**972613**	207
ST8-HB5-840	4008321**972620**	207
ST8-HB5-865	4008321**972644**	207
Switch RC	4008321**385642**	127

Product reference	Product number	Page
Touch DIM LS LI	4008321**023087**	137
Touch DIM LS/PD LI	4008321**023025**	136
Touch DIM PD LI	4008321**532947**	138
Touch DIM RC	4008321**031938**	139
Touch DIM RMC	4008321**183033**	140
Touch DIM WCU	4008321**032737**	140
TRESOL 10W	4008321**984159**	243
TRESOL Bloc	4008321**985484**	219
TRESOL Bloc white	4008321**990143**	219
TRESOL Cube	4008321**985507**	218
TRESOL Cube Trio	4008321**985491**	213
TRESOL Cube Trio Ceiling	4008321**989307**	217
TRESOL Cube White	4008321**997821**	218
TRESOL Trio	4008321**985477**	213
TRESOL Trio Ceiling	4008321**989314**	217
VI05A-W3-730	4008321**643933**	24
VI05A-W3-760	4008321**643957**	24
VISION	4008321**957047**	128
WALL Switch	4008321**467386**	130
Y-CONNECTOR	4050300**803135**	178
Y-CONNECTOR SCREW	4008321**916686**	177