The future is multifaceted.

With its new LED lighting solutions OSRAM is redefining what is technically feasible and providing a glimpse of the future of light.

A fascinating interplay between form and color: LED lighting solutions from OSRAM.
LEDs are superior to conventional light sources in many respects and are extremely versatile. They are impressive for their wide color palette and excellent color saturation. Their low power consumption and long life make them particularly economical. LEDs are therefore ideal as simple and efficient light sources not only for fascinating lighting effects but also for a wide range of applications in the general lighting sector. LED modules from OSRAM are the perfect basis for innovative lighting solutions. Thanks to their compact dimensions they are especially suitable for illuminating linear and even freeform structures but also for backlighting surfaces. In combination with OPTOTRONIC® control gear and power supplies, LED systems provide perfectly matched lighting solutions. With our LED lamps and our range of connection-ready luminaires, it has never been easier to install LED technology.

State of the art – LED systems and LED lamps from OSRAM.

The new high-flux LED systems from OSRAM are truly impressive. They are very compact and highly modular. Optional optics are available for various LED modules to produce different beam characteristics. The innovative LED lamps from OSRAM require very little installation work to be perfectly integrated in any architecture, opening up so many new opportunities for individual lighting solutions and creative lighting designs.

OSRAM continues to expand its range of LED products which are setting a new standard for functionality and design across a wide range of applications. They are suitable for general lighting, architectural lighting, illuminated advertising, corporate lighting and orientation lighting inside and outside buildings. They can be used in designer luminaires, recessed lights, information signs and traffic signals.

Can be used in many different places:

- Interior design and general lighting
- Architecture lighting
- Illuminated advertising
- Illuminated lettering and corporate lighting
- Orientation lighting in buildings and outdoors
- Escape route marking
- Designer lights and built-in luminaires
- Illuminated signs

Technological highlights:

- Creative design options thanks to a variety of colors
- Compact dimensions and versatility of the modules
- Major economic benefits thanks to low energy consumption, long life and low maintenance
- Maximum reliability even under adverse ambient conditions
- High breaking strength and vibration resistance
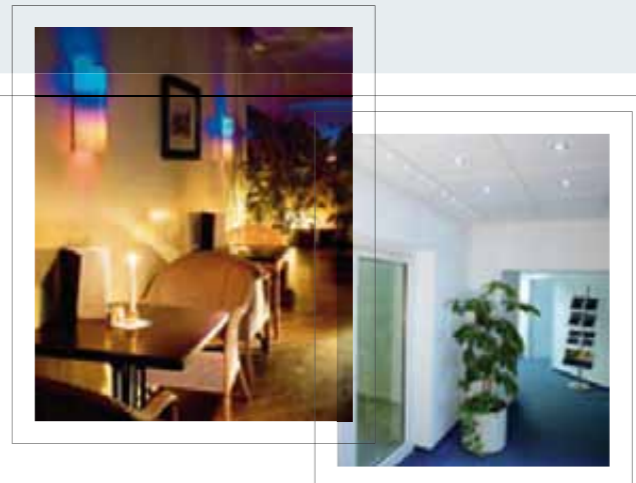
PARATHOM® R50 for line voltage
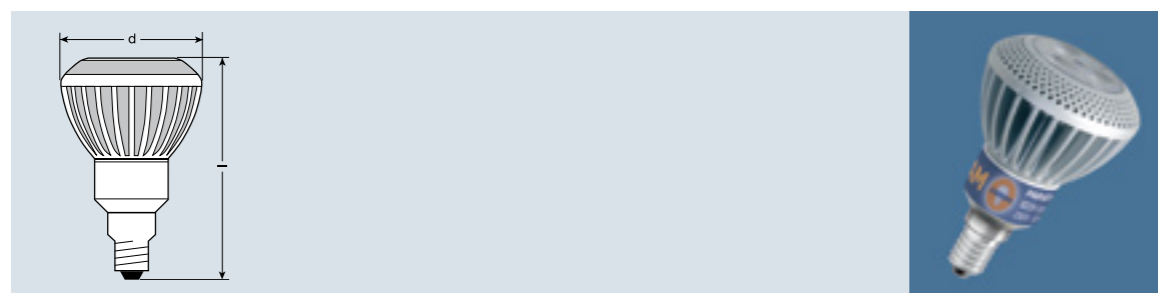
Product reference	Product number	COLOR	W	V
PARATHOM® R50 6 W, E14				
80333	4008321**929259**	cw	6[1]	230
80334	4008321**925121**	ww	6[1]	230
80335	4008321**925145**	blue	6[1]	230
80336	4008321**925169**	green	6[1]	230
80337	4008321**925183**	red	6[1]	230
80338	4008321**925206**	yellow	6[1]	230

Product reference	Hz	cd		°	l [mm]	d [mm]	
80333	50/60	[2]	E14	15	87	53,5	10
80334	50/60	[2]	E14	15	87	53,5	10
80335	50/60	[2]	E14	15	87	53,5	10
80336	50/60	[2]	E14	15	87	53,5	10
80337	50/60	[2]	E14	15	87	53,5	10
80338	50/60	[2]	E14	15	87	53,5	10

Description and features:
With its widely used E14 base and its standard reflector shape the high-brightness PARATHOM® R50 6 W provides an ideal opportunity to take advantage of the impressive benefits of LED technology in existing fixtures. Its extravagant design and very long life make it ideal for high-quality domestic and professional use. Thanks to OSRAM High Power LEDs the PARATHOM® R50 has a very low energy consumption of only 6 W but can be a perfect replacement for the application of a 25 W white or 40 W colored incandescent reflector lamp.
- Professional LED lamps for line voltage with the popular E14 base
- Very low energy consumption (approx. 6 W)
- Extremely long life
- Beam angle of 15° for spotlighting
- Equipped with approved OSRAM High-Power Golden DRAGON® LEDs
- Shockproof and vibration-proof thanks to LED technology
- No UV or IR radiation in the light beam
- Extravagant unmistakable OSRAM design
- Professional thermal management
- Not suitable for use with dimmers

Applications:
White or colored accent lighting:
- in display cabinets and shop windows
- in homes and offices (e.g. in wall-mounted or ceiling spotlights)
- for spotlighting heat-sensitive objects such as food, paintings, plants, etc.
- for high-quality table and floor-standing lights

PARATHOM® PAR16 for line voltage
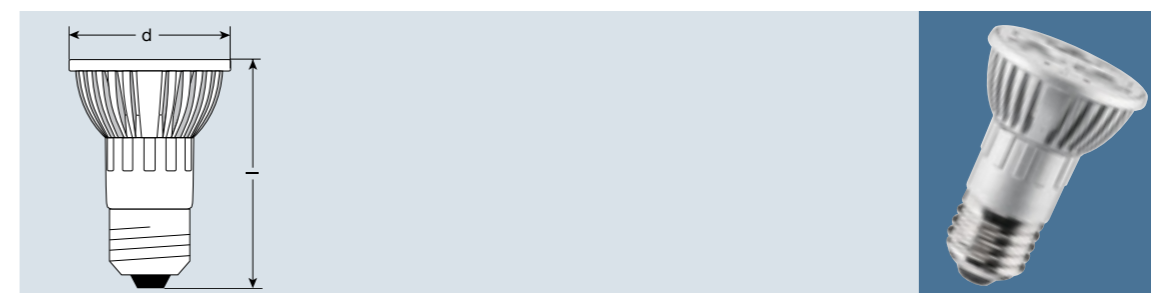
Product reference	Product number	COLOR	W[1]	V	Hz	cd[1]		°	l [mm]	d [mm]	
PARATHOM® PAR16 5 W, E27											
80321	4008321**929211**	cw	5[2]	100-240	50/60	[3]	E27	20	74,5	50	10
80322	4008321**924728**	ww	5[2]	100-240	50/60	[3]	E27	20	74,5	50	10
80323	4008321**924742**	blue	5[2]	100-240	50/60	[3]	E27	20	74,5	50	10
80324	4008321**924766**	green	5[2]	100-240	50/60	[3]	E27	20	74,5	50	10
80325	4008321**924780**	red	5[2]	100-240	50/60	[3]	E27	20	74,5	50	10
80326	4008321**924803**	yellow	5[2]	100-240	50/60	[3]	E27	20	74,5	50	10
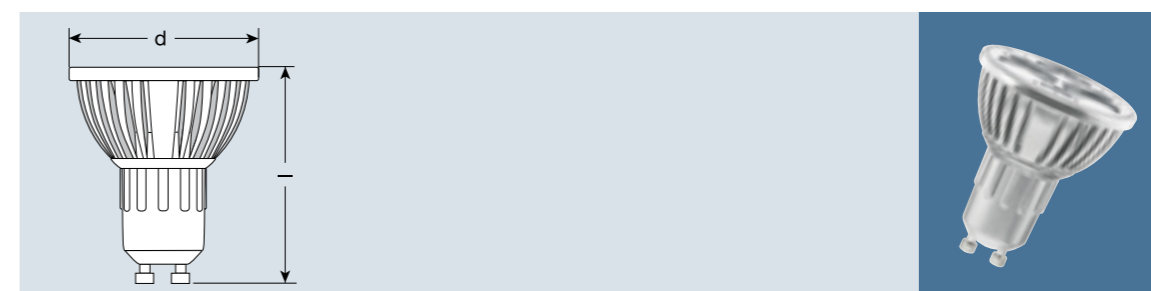
Product reference	Product number	COLOR	W	V	Hz	cd		°	l [mm]	d [mm]	
PARATHOM® PAR16 5 W, GU10											
80327	4008321**929235**	cw	5[2]	100-240	50/60	[3]	GU10	20	59	50	10
80328	4008321**924926**	ww	5[2]	100-240	50/60	[3]	GU10	20	59	50	10
80329	4008321**924940**	blue	5[2]	100-240	50/60	[3]	GU10	20	59	50	10
80330	4008321**924964**	green	5[2]	100-240	50/60	[3]	GU10	20	59	50	10
80331	4008321**924988**	red	5[2]	100-240	50/60	[3]	GU10	20	59	50	10
80332	4008321**925008**	yellow	5[2]	100-240	50/60	[3]	GU10	20	59	50	10

Description and features:
The high-intensity LED lamp from the PARATHOM® PAR 16 family has a high output and beam angle of 20°, making it suitable for illuminating surfaces over relatively long distances.
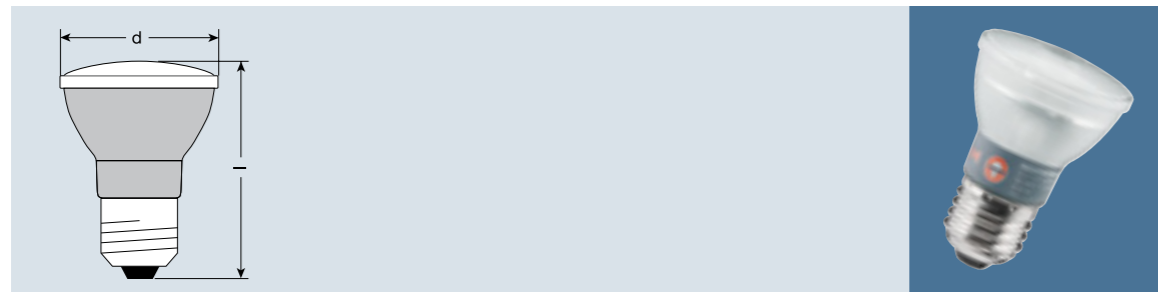- Professional LED lamps for line voltage with the popular E14 and GU10 bases
- Very low energy consumption
- Extremely long life
- Beam angle of 20° for spotlighting
- Equipped with approved OSRAM High-Power Golden DRAGON® LEDs
- No UV or IR radiation in the light beam
- Shockproof and vibration-proof thanks to LED technology
- Professional thermal management
- Not suitable for use with dimmers

Applications:
- Colored and white lighting effects in display cabinets and shop windows
- Retail outlets and exhibition rooms
- Spotlighting for accent lighting and color effects
- Accent lighting in homes and offices (e.g. in wall-mounted or ceiling spotlights)
- Ideal for spotlighting heat-sensitive objects such as food, paintings, plants, etc.

1) Approximate value depending on the light color
2) Current data available on the internet

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) Approximate value depending on the light color
3) Current data available on the internet

PARATHOM® PAR16 for line voltage

Product reference	Product number	COLOR	W	V	Hz	cd		∠°	I [mm]	⌀ d [mm]	📦
PARATHOM® PAR16 2 W, E27											
80309	4008321**929174**	cw	2	100-240	50/60	110	E27	30	74	50	10
80310	4008321**924322**	ww	2	100-240	50/60	75	E27	30	74	50	10
80311	4008321**924346**	blue	2	100-240	50/60	75	E27	30	74	50	10
80312	4008321**924360**	green	2	100-240	50/60	120	E27	30	74	50	10
80313	4008321**924384**	red	1,5	100-240	50/60	135	E27	30	74	50	10
80314	4008321**924407**	yellow	1,5	100-240	50/60	60	E27	30	74	50	10
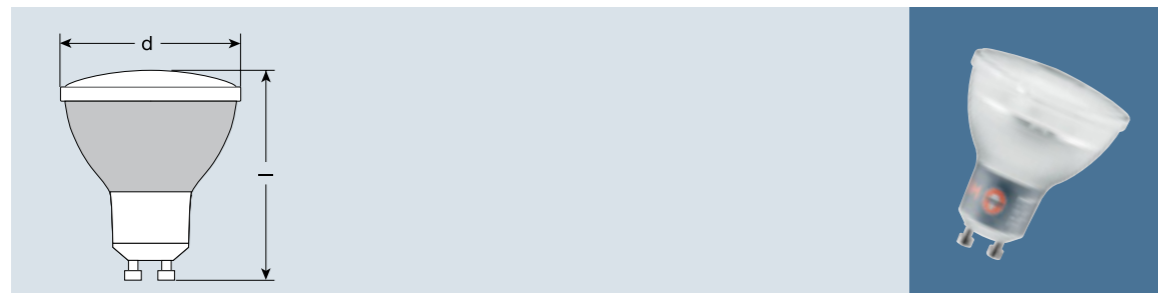
Product reference	Product number	COLOR	W	V	Hz	cd		∠°	I [mm]	⌀ d [mm]	📦
PARATHOM® PAR16 2 W, GU10											
80315	4008321**929198**	cw	2	100-240	50/60	110	GU10	30	60	50	10
80316	4008321**924520**	ww	2	100-240	50/60	75	GU10	30	60	50	10
80317	4008321**924544**	blue	2	100-240	50/60	28	GU10	30	60	50	10
80318	4008321**924568**	green	2	100-240	50/60	120	GU10	30	60	50	10
80319	4008321**924582**	red	1,5	100-240	50/60	135	GU10	30	60	50	10
80320	4008321**924605**	yellow	1,5	100-240	50/60	60	GU10	30	60	50	10

Description and features:
The PARATHOM® PAR 16 family is ideal for accent lighting. Thanks to their E27 and GU10 bases these lamps fit easily in conventional luminaires to create a variety of interesting lighting moods. With their extremely low energy consumption and long life, PARATHOM® LED lamps are setting new standards in environmentally friendly lighting and can be used for economical permanent lighting.
• Professional LED lamps for line voltage with the popular E14 and GU10 bases
• Very low energy consumption (approx. 2 W)
• Extremely long life
• Beam angle of 30° for spotlighting over short distances
• Equipped with approved OSRAM High-Power Golden DRAGON® LEDs

• No UV or IR radiation in the light beam
• Shockproof and vibration-proof thanks to LED technology and the plastic casing
• Timeless neutral lamp design for an extremely wide range of luminaires
• Not suitable for use with dimmers

Applications:
• Colored and white lighting effects in small display cabinets and shop windows
• Retail outlets and exhibition rooms
• Spotlighting for accent lighting and color effects
• Accent lighting in homes and offices (e.g. in wall-mounted or ceiling spotlights)
• Ideal for spotlighting heat-sensitive objects such as food, paintings, plants, etc.

DECOSPOT® LED for line voltage
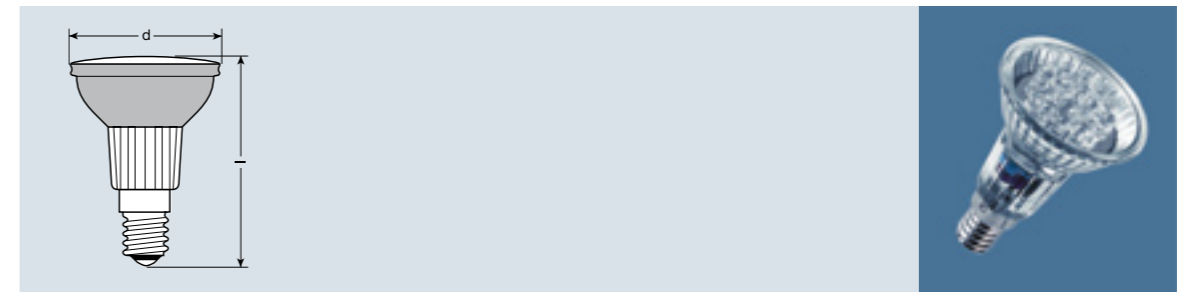
Product reference	Product number	COLOR	W	V	Hz	cd		∠°	I [mm]	⌀ d [mm]	📦
DECOSPOT® LED PAR 16 E14											
80001	4008321**905550**	cc	0,6-0,7	230	50	8,3-35	E14	12	77	50,7	6x1
80002	4008321**905635**	white	0,8	230	50	180	E14	20	77	50,7	6x1
80003	4008321**905529**	red	0,7	230	50	65	E14	12	77	50,7	6x1
80004	4008321**905536**	green	0,8	230	50	325	E14	12	77	50,7	6x1
80005	4008321**905543**	blue	0,8	230	50	85	E14	12	77	50,7	6x1
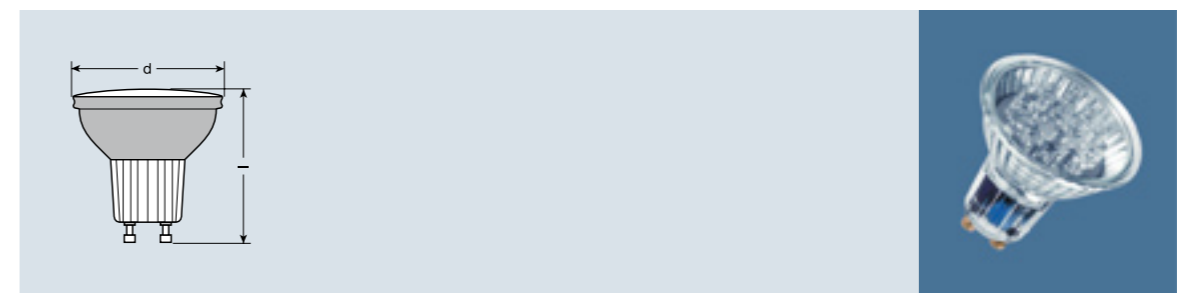
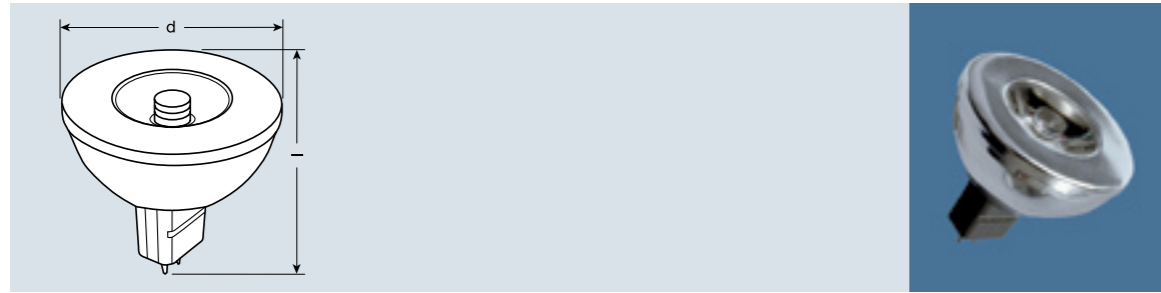| Product reference	Product number	COLOR	W	V	Hz	cd		∠°	I [mm]	⌀ d [mm]	📦
DECOSPOT® LED PAR 16 GU10											
80011	4008321**905598**	cc	0,6-0,7	230	50	8,3-35	GU10	12	57	50,7	6x1
80012	4008321**905642**	white	0,8	230	50	180	GU10	20	57	50,7	6x1
80013	4008321**905567**	red	0,7	230	50	65	GU10	12	57	50,7	6x1
80014	4008321**905574**	green	0,8	230	50	325	GU10	12	57	50,7	6x1
80015	4008321**905581**	blue	0,8	230	50	85	GU10	12	57	50,7	6x1

Description and features:
DECOSPOT® LED provides color for individual lighting design. It's as easy as changing a light bulb. These new lamps will fit in all standard fixtures with E14 or GU10 holders. Homes, offices and shops can be given a fresh new look with dashes of color from elegant and modern DECOSPOT® LED fixtures. There is a choice of white, red, green and blue. For special effects, use DECOSPOT® LED color-changing, which automatically changes from one color to the next. Thanks to its particularly low energy consumption DECOSPOT® LED is perfect for constant economical lighting.

• Efficient generation of colored light
• Low energy consumption
• Long life
• Enhanced safety thanks to double insulation
• Not suitable for use with dimmers

Technical data and equipment:
• Equipped with 18 LEDs (different colors)
• Available for E14 or GU10 bases

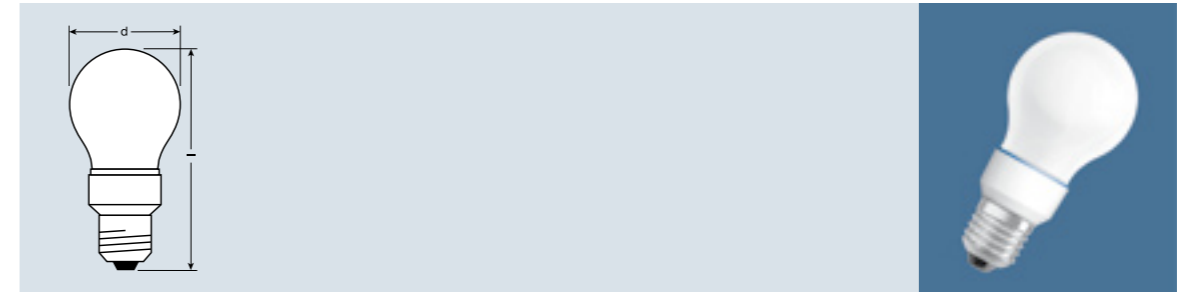| Product reference	Product number	COLOR	W	V	Hz	cd		A°	l [mm]	d [mm]	
DRAGONSTAR® 500 GU5,3											
80022-30	4008321**908322**	ww	2,8	12	50	869	GU5.3	6	1)	1)	6x1
80024	4008321**908346**	green	2,8	12	50	1037	GU5.3	6	1)	1)	6x1
80025	4008321**908353**	blue	2,8	12	50	303	GU5.3	6	1)	1)	6x1
80026	4008321**133250**	orange	1,5	12	50	1500	GU5.3	6	1)	1)	6x1
80027	4008321**133281**	red	1,5	12	50	1800	GU5.3	6	1)	1)	6x1

Description and features:

DRAGONSTAR® retrofit lamps with their GU5.3 bases will fit wherever only an OSRAM DECOSTAR® 51 can normally be used. DRAGONSTAR® has a lower power consumption and much longer life than halogen lamps. DRAGONSTAR® is therefore a particularly efficient way of producing brilliant colored light.
• High-intensity LED retrofit lamp
• Efficient generation of colored light
• Low energy consumption
• Long life

Technical data and equipment:
• Equipped with OSRAM Golden DRAGON® (different colors)
• Constant control current of 500 mA
• Not suitable for use with dimmers
• Conventional transformers 12 V AC and OSRAM OPTOTRONIC® EVG 10 V DC (OT12, OT50) are recommended.

Product reference	Product number	COLOR	W	V	Hz	lm		l [mm]	d [mm]	
PARATHOM® CLASSIC A, A shape										
80059	4008321**929273**	cw	2,3[1]	100-240	50/60	90[1]	E27	109	55	10
80061	4008321**925329**	ww	2,3[1]	100-240	50/60	83[1]	E27	109	55	10
80060	4008321**918253**	color changing	0,5	100-240	50/60	–	E27	109	55	10
80062	4008321**918260**	blue	1,2	100-240	50/60	2	E27	109	55	10
80063	4008321**918277**	green	1,2	100-240	50/60	8	E27	109	55	10
80064	4008321**918284**	red	1	100-240	50/60	8	E27	109	55	10
80065	4008321**918291**	yellow	1	100-240	50/60	5	E27	109	55	10
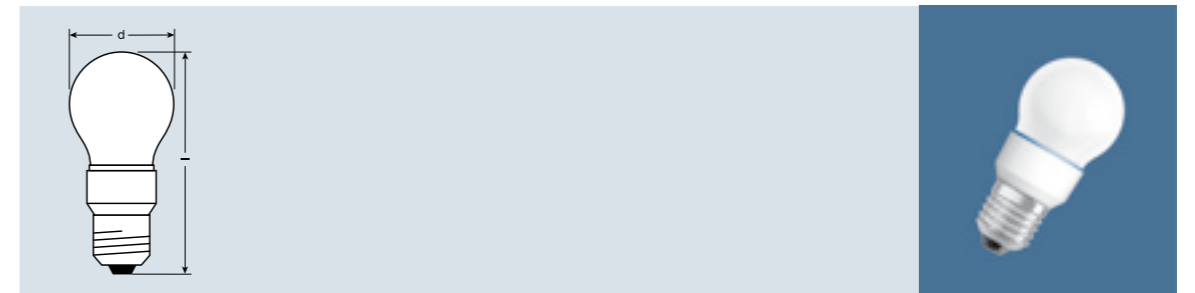
Product reference	Product number	COLOR	W	V	Hz	lm		l [mm]	d [mm]	
PARATHOM® CLASSIC P, P shape/round bulb										
80087	4008321**929297**	cw	1,6[1]	100-240	50/60	65[1]	E27	90	45	10
80089	4008321**925367**	ww	1,6[1]	100-240	50/60	60[1]	E27	90	45	10
80088	4008321**922427**	color changing	0,5	100-240	50/60	–	E27	90	45	10
80090	4008321**922441**	blue	1,2	100-240	50/60	2	E27	90	45	10
80091	4008321**922465**	green	1,2	100-240	50/60	8	E27	90	45	10
80092	4008321**922489**	red	1	100-240	50/60	8	E27	90	45	10
80093	4008321**922502**	yellow	1	100-240	50/60	5	E27	90	45	10
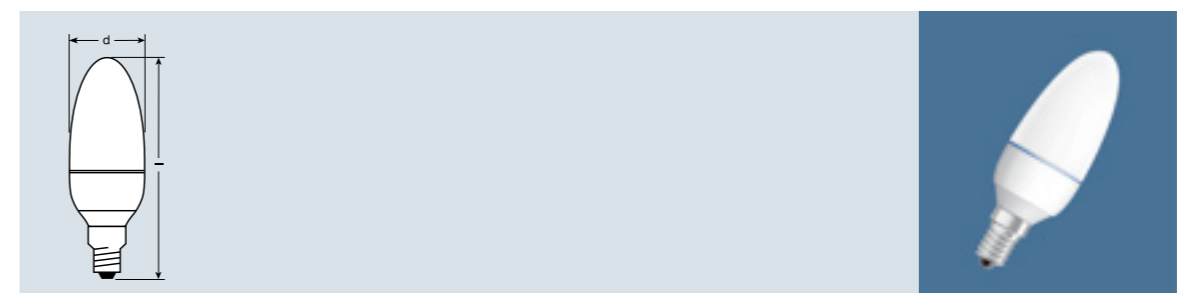
Product reference	Product number	COLOR	W	V	Hz	lm		l [mm]	d [mm]	
PARATHOM® CLASSIC B, B shape/candle										
80094	4008321**929310**	cw	1,6[1]	100-240	50/60	65[1]	E14	104	35	10
80096	4008321**925404**	ww	1,6[1]	100-240	50/60	60[1]	E14	104	35	10
80095	4008321**922625**	color changing	0,5	100-240	50/60	–	E14	104	35	10
80097	4008321**922649**	blue	1,2	100-240	50/60	2	E14	104	35	10
80098	4008321**922663**	green	1,2	100-240	50/60	8	E14	104	35	10
80099	4008321**922687**	red	1	100-240	50/60	8	E14	104	35	10
80100	4008321**922700**	yellow	1	100-240	50/60	5	E14	104	35	10

PARATHOM® GLOBE for line voltage
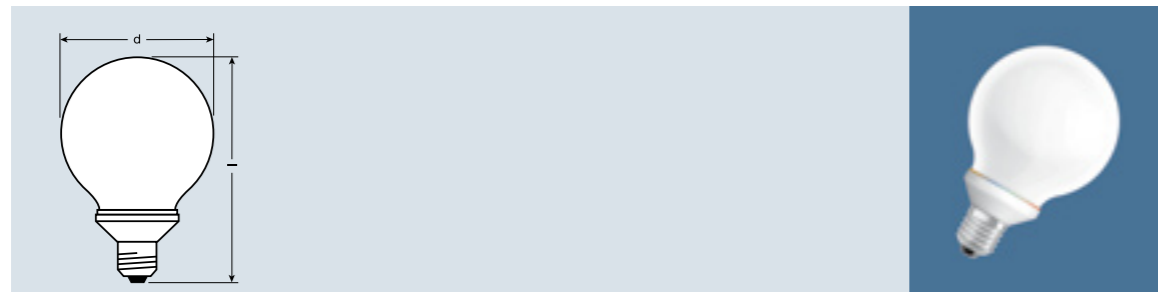
Product reference	Product number	COLOR	W	V
PARATHOM® GLOBE G-shape, G95				
80845	4008321**929334**	cw	3[1)	100-240
80846	4008321**929358**	ww	3[1)	100-240
80340	4008321**925442**	color changing	1	100-240
80341	4008321**925466**	blue	1,6	100-240
80342	4008321**925480**	green	1,6	100-240
80343	4008321**925503**	red	1,3	100-240
80344	4008321**925527**	yellow	1,3	100-240

Product reference	Hz	lm		I [mm]	d [mm]	
80845	50/60	130[1)	E27	142	95	10
80846	50/60	120[1)	E27	142	95	10
80340	50/60	–	E27	142	95	10
80341	50/60	4	E27	142	95	10
80342	50/60	16	E27	142	95	10
80343	50/60	16	E27	142	95	10
80344	50/60	10	E27	142	95	10

Description and features:

Singly or in groups, free-burning or in semi-transparent luminaires, for indoors or outdoors – with the PARATHOM® CLASSIC and GLOBE family you can vary the lighting mood very easily. With so many different shapes (standard A, round P, candle B and GLOBE) and standard bases (E27, E14) the possibilities are almost endless. Thanks to their extremely low energy consumption (approx. 1.5 W) and high efficiency, the colored PARATHOM CLASSIC lamps are perfect replacements for the application of colored 25 W incandescent lamps. And in view of their extremely long lives (around 25 times as long as an incandescent lamp) PARATHOM® CLASSIC and GLOBE lamps are the eco-friendly successors to the ordinary light bulb.
- Professional LED lamps for line voltage with the popular E14 and E27 bases
- Very low energy consumption (approx. 0.5 to 3 W)
- Very long life (up to 25,000 hours)
- Equipped with approved OSRAM LEDs (Advanced Power TopLED and 6-Lead MultiLED)
- Low thermal output

- Shockproof and vibration-proof thanks to LED technology and the plastic casing
- Classic light bulb design for a pleasant atmosphere
- Suitable for indoors and outdoors
- Pure intense colors for extra comfort
- Synchronized color-changing lamps with extremely smooth color transitions (2 minute cycle)
- Not suitable for use with dimmers

Applications:
- Decorative home use or permanent lighting in halls and corridors
- Decorative accent colors for patios, beer gardens and restaurants
- Simple solution for color effects on facades, roofs and building contours
- The energy-saving low-maintenance replacement for incandescent lamps in amusement parks and beer tents
- Garlands of lights

1) Subject to change without notice

DULED® for line voltage
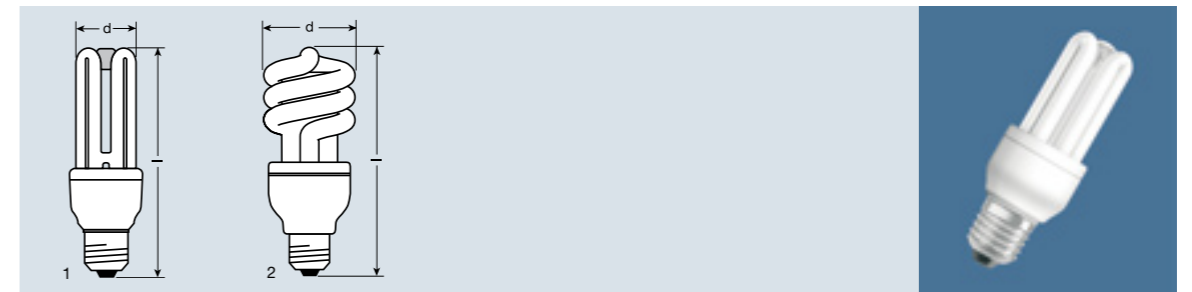
Product reference	Product number	COLOR	W	V
DULED® E27				
80300, DULED® 8 W/827	4008321**202314**	ww	8/0,3	220-240
80302, DULED® 12 W/827	4008321**222350**	ww	12/0,3	220-240
80305, DULED® 15 W/827	4008321**929372**	ww	15/0,3	220-240
80306, DULED® 21 W/827	4008321**929396**	ww	21/0,3	220-240

Product reference	Hz	lm		I [mm]	d [mm]		No.
80300, DULED® 8 W/827	50/60	400/3	E27	117	42	10	1
80302, DULED® 12 W/827	50/60	620/3	E27	131	42	10	1
80305, DULED® 15 W/827	50/60	800/3	E27	123	51	10	2
80306, DULED® 21 W/827	50/60	1200/3	E27	151	60	10	2

Description and features:
DULED® is a combination of energy-saving lamp and innovative LED technology, so it covers various lighting requirements without the need for additional lighting fixtures. In energy-saving mode it can be used for general lighting, and in LED mode as a night light, orientation light or background light. Switching from one mode to the other can be easily done by the existing standard light switch.
- "2 in 1" energy-saving and LED lamp with E27 base as a replacement for ordinary light bulbs for line voltage
- Long average life of 6000 hours
- Very low energy consumption of approx. 0.3 W in LED mode
- Not suitable for use with dimmers

Applications:
- For halls and corridors in homes and offices
- For children's rooms
- Can be installed in single or multi-lamp luminaires for general lighting or for moon-like background lighting

DULED® GLOBE for line voltage
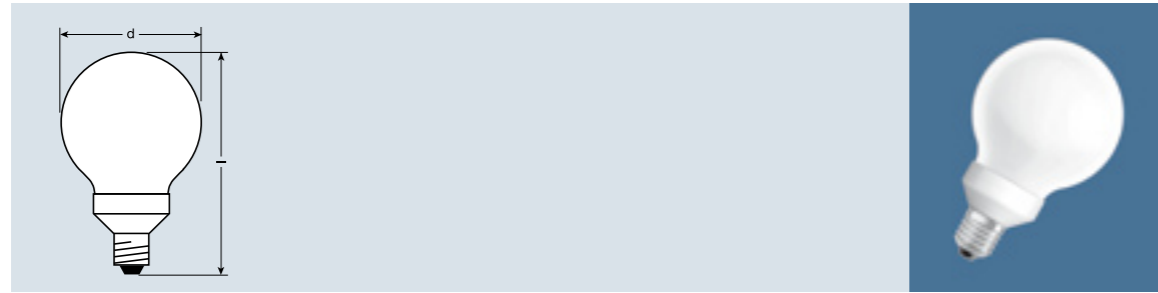
Product reference	Product number	COLOR	W	V	Hz
DULED® GLOBE, E27					
80307, DULED® G95, 12 W/827	4008321**929419**	ww	12	220-240	50/60
80308, DULED® G110, 21 W/827	4008321**929433**	ww	21	220-240	50/60

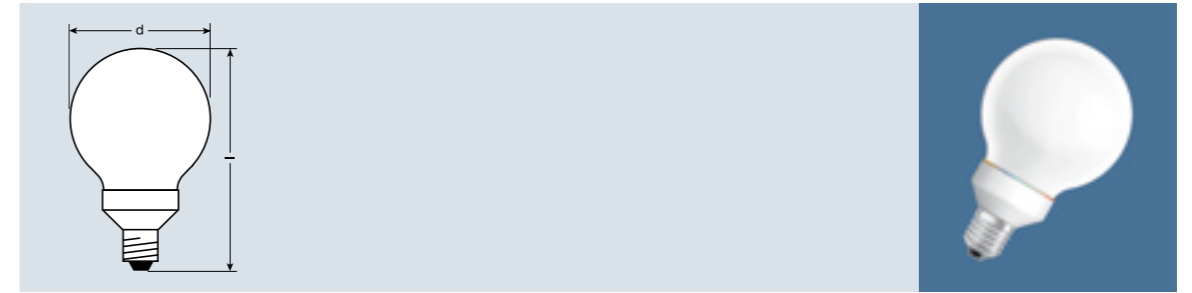| Product reference	lm	⊟	l [mm]	⊘ d [mm]	▱
80307, DULED® G95, 12 W/827	540	E27	151	95	10
80308, DULED® G110, 21 W/827	1050	E27	167	110	10

Description and features:
DULED® GLOBE offers the same advantages of the DULED® but in a particularly attractive shape, making it ideal for luminaires in which the lamp is visible.
• "2 in 1" energy-saving and LED lamp in a pretty GLOBE bulb with E27 base as a replacement for ordinary light bulbs for line voltage
• Long average life of 6000 hours
• Very low energy consumption in LED mode
• Not suitable for use with dimmers

Applications:
• For luminaires in which the lamps are visible
• For halls and corridors in homes and offices
• For children's rooms
• In luminaires for general or background lighting
• For bathrooms, gardens, patios, in enclosed and ventilated luminaires

DULED® RGB GLOBE for line voltage

Product reference	Product number	COLOR	W	V	Hz
DULED® RGB GLOBE, E27					
80350, DULED® RGB G95, 12 W/827	4008321**929457**	ww	11	220-240	50/60
80351, DULED® RGB G110, 21 W/827	4008321**929471**	ww	21	220-240	50/60

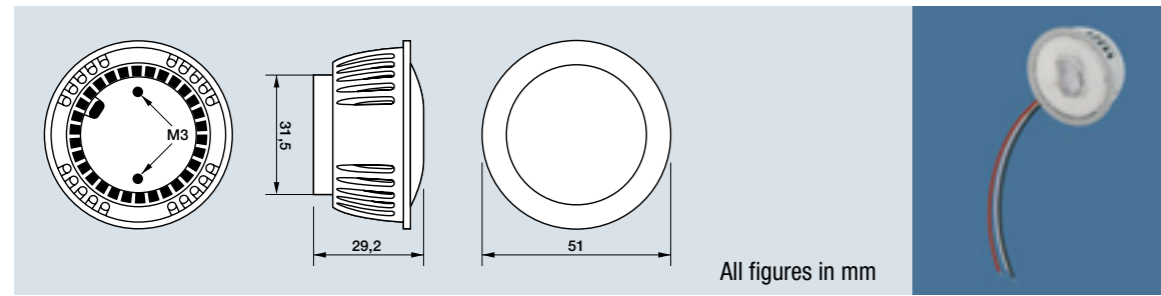| Product reference	lm	⊟	l [mm]	⊘ d [mm]	▱
80350, DULED® RGB G95, 12 W/827	540	E27	151	95	10
80351, DULED® RGB G110, 21 W/827	1050	E27	167	110	10

Description and features:
DULED® RGB GLOBE is a combination of a white energy-saving lamp and colored LEDs. It perfects a "2 in 1" function by offering mood lighting and general lighting from a single lamp. Switching from one mode to the other can be easily done by the existing standard light switch. In LED mode the lamp can provide attractive accent lighting with red, green or blue light or slow automatic color changing.
• "2 in 1" energy-saving and LED lamp in a classic GLOBE bulb with E27 base as a replacement for ordinary light bulbs for line voltage
• Long average life of 6000 hours
• Colored accent lighting in LED mode
• Very low energy consumption in LED mode
• Not suitable for use with dimmers

Applications:
• General lighting with the option of switching to colored mood lighting
• Pretty GLOBE bulb ideal for luminaires in which the lamps are visible
• For bathrooms, gardens, patios, in enclosed and ventilated luminaires

COINlight-OSTAR®

All figures in mm

Product reference	Product number	COLOR		V_{DC} [1]	W [1]	° [1]	K [1]	
COINlight-OSTAR®								
C006A-W4-730	4008321**231819**	white	1	24	12	38	3000	20
C006A-W4-847	4008321**231758**	white	1	24	12	38	4700	20
C006A-W4-854	4008321**231697**	white	1	24	12	38	5400	20

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions: ⌀ 51 mm, H: 29.2 mm. Cable length: 500 mm, cable cross-section: 0.2 mm²/AWG 24.
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

COINlight-OSTAR®
The COINlight-OSTAR® module is a round high-power LED spotlight with an integrated primary heat sink. Only one OSRAM OSTAR® Lighting is needed to produce light.

Special features:
• Easy to integrate in standard luminaires
• Integrated 38° optics
• M3 internal thread for simple installation
• Fitted with three connecting cables: Red +; Black -; White Dimming
• Dimmable by pulse width modulation (PWM)
• The modules can only be connected in parallel
• Up to six modules can be connected one after the other with mid-feed with only one OT 75 unit

Applications:
• Ideal for use in recessed ceiling lights or shop lighting
• Perfect for orientation or accent lighting

OSTAR®hex.

All figures in mm
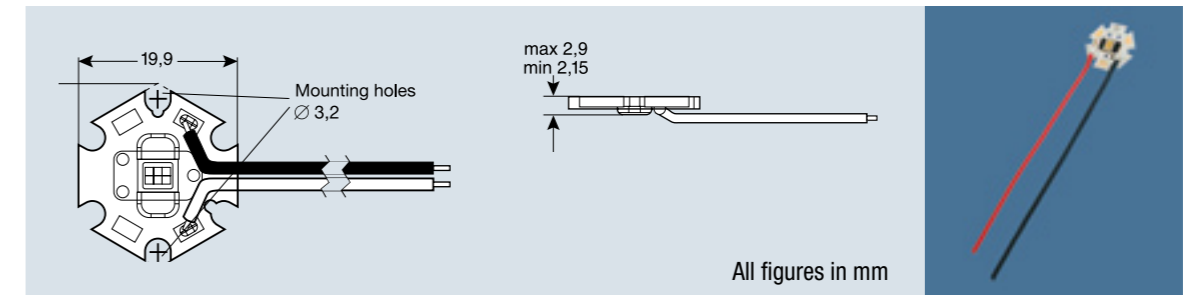
Product reference	Product number	COLOR		I[mA] [1]	W [1]	° [1]	K [1]	
OSTAR®hex.								
OH06A-W3-730	4008321**231291**	white	6	700	15	120	3000	20
OH06A-W3-854	4008321**231277**	white	6	700	15	120	5400	20
OH06A-W3-865	4008321**230997**	white	6	700	15	120	6500	20

Modules perfectly matched to 700 mA OSRAM OPTOTRONIC® electronic control gear.
Dimensions: (L x W x H) 23 mm x 20 mm x 3 mm. Cable length: 545 mm, cable cross-section: 0.2 mm²/AWG 24.
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

OSTAR®hex.
OSTAR®hex. is an ultra-compact high-power OSTAR® 6 Chip LED module with connecting cables.

Special features:
• Extremely compact high-power LED module
• Wide range of design options particularly for new areas of application
• Ideal basis for compact high-performance spot-lights
• Power concept: The current/brightness can be matched to customer needs
• Integrated 545 mm connecting cable for simple electrical connection

Applications:
• Mini spotlights
• Reading lights
• Small signal lights

LINEARlight-DRAGON® board
LINEARlight-DRAGON® system

Overall module

Board

All figures in mm
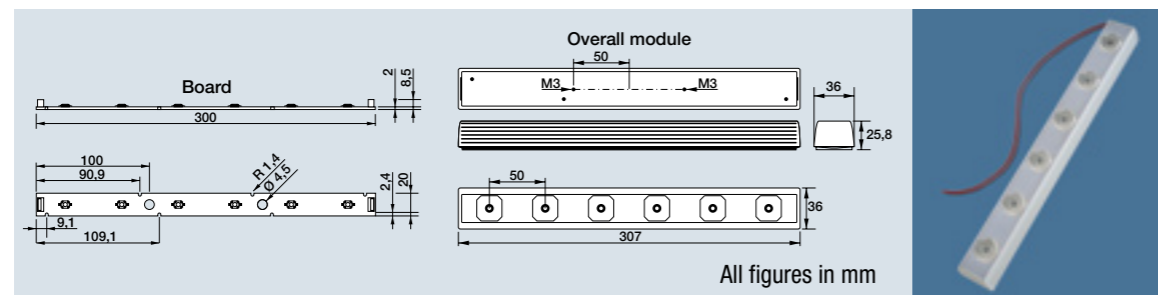
Product reference	Product number	COLOR	⊙	V_{DC} ¹⁾	W ¹⁾	∠° ¹⁾	K ¹⁾	▱
LINEARlight-DRAGON® board								
LD06A-W3F-727	4008321**215369**	white	6	24	12	120	2700	6
LD06A-W3F-854	4008321**215383**	white	6	24	12	120	5400	6
LINEARlight-DRAGON® system								
LD06A-W3F-727-L30	4008321**215284**	white	6	24	12	30	2700	6
LD06A-W3F-854-L30	4008321**215307**	white	6	24	12	30	5400	6

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions of individual board: (L x W x H) 300 mm x 20 mm x 8.5 mm.
Basic dimensions for overall module: (L x W x H) 307 mm x 36 mm x 25.8 mm.
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

LINEARlight-DRAGON® board and system
LINEARlight DRAGON® is a flexible system consisting of a metal core board with six high-power Golden DRAGON® LEDs, lens holder and designer heat sink. The feeder for electrical contact is premounted.

Special features:
• Plug & Play (feeder and connector) thanks to the LD-2x CONNECTsystem
• Up to six modules can be connected in row with mid-feed with only one OT 75 unit
• Dimmable by pulse width modulation (PWM)
• Integrated 30° optics (for system)
• Additional optics OP1x1 for different applications (spotlight, wide-area lighting, wall washing) can be combined with the board
• Mounting holes on the system and on the board for M3 screws. Alternative mounting of the system with mounting brackets LD-MB
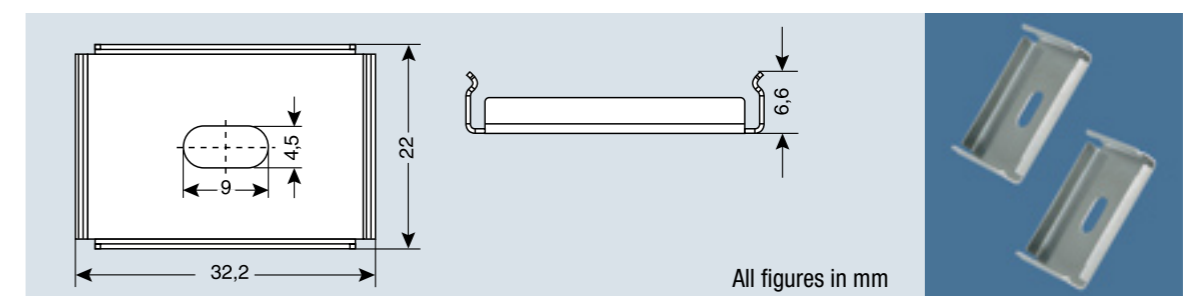
Applications:
• Ideal for recessed luminaires
• Suitable for wide-area illumination and other general lighting applications

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CONNECTsystem for LINEARlight-DRAGON®
LINEARlight-DRAGON® Mounting Bracket
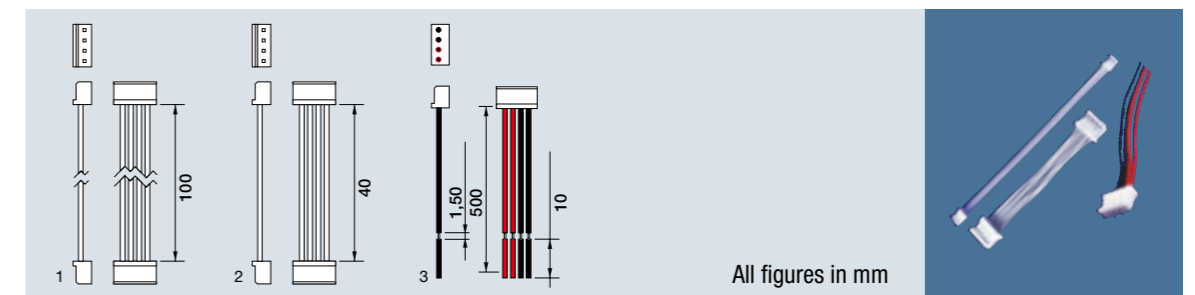
All figures in mm

Product reference	Product number	V ¹⁾	A ¹⁾	Cable cross-section/ AWG	Cable length	▱	No.
CONNECTsystem for LINEARlight-DRAGON®							
LD-2CONN-100	4008321**182883**	100	2	0,13/26	100	50x10	1
LD-2CONN-40	4008321**182869**	100	2	0,13/26	40	50x10	2
LD-2PIN	4008321**182845**	100	2	0,2/24	500	50x10	3

For current technical data and important safety, installation and application information see www.osram.com//led-systems.

All figures in mm

Product reference	Product number	l [mm]	b [mm]	h [mm]	▱
LINEARlight-DRAGON® Mounting Bracket					
LD-MB	4008321**225672**	32,2	22	6,6	12x5x5

For current technical data and important safety, installation and application information see www.osram.com//led-systems.

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.

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.

All figures in mm

Product reference	Product number	COLOR		I[mA]¹⁾	W¹⁾	°¹⁾	λ¹⁾	K¹⁾	
DRAGONeye®									
DE1-W3F-727	4008321**215222**	white	1	350	1,2	15	–	2700	6x44
DE1-W3F-854	4008321**215253**	white	1	350	1,2	15	–	5400	6x44
DE1-A2	4008321**909732**	red	1	350	0,8	18	616	–	6x44
DE1-B2	4008321**909749**	blue	1	350	1,2	15	468	–	6x44
DE1-T2	4008321**909763**	green	1	350	1,2	15	531	–	6x44
DE1-Y2	4008321**909756**	yellow	1	350	0,8	18	589	–	6x44

Modules perfectly matched to 350 mA OSRAM OPTOTRONIC® electronic control gear.

Dimensions: ∅ 23 mm, H: 33 mm. Cable length: 200 mm, cable cross-section: 0.35 mm²/AWG 22.
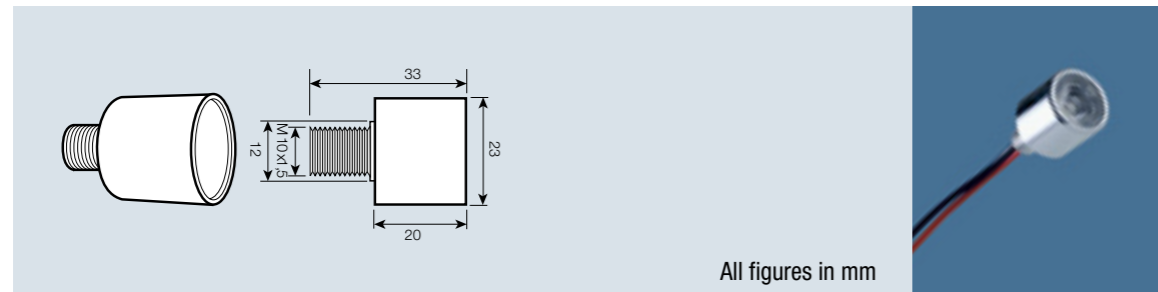
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

DRAGONeye®

DRAGONeye® is an IP65 compact mini spotlight with 1 high-flux Golden DRAGON® LED.
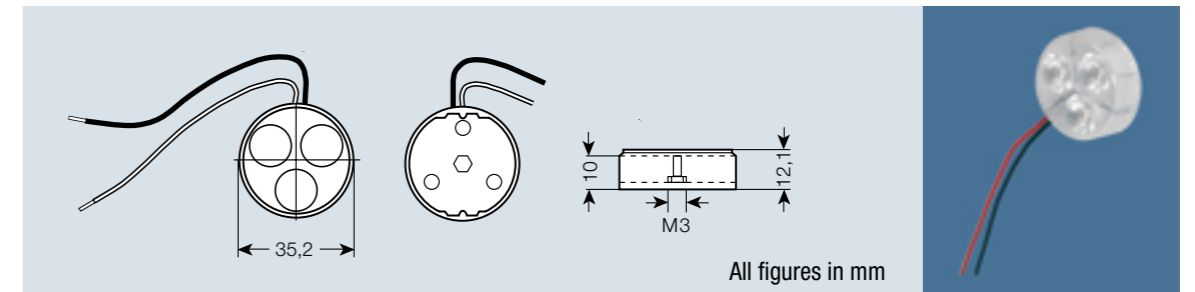
Special features:
- Narrow beam angle for use as a spot light
- Metal housing for optimum heat removal
- Two-core connecting cable 200 mm with open cable ends
- Integrated M10x1.5 thread for simple installation
- Type of protection IP65 according to DIN EN 60529
- The modules can only be connected in series

Applications:
- Small luminaire head in single-LED luminaires for accent lighting, orientation lighting or route lighting

All figures in mm

Product reference	Product number	COLOR		I[mA]¹⁾	W¹⁾	°¹⁾	λ¹⁾	K¹⁾	
DRAGONpuck®									
DP3-W3F-727	4008321**214447**	white	3	350	3,6	16	–	2700	16
DP3-W3F-854	4008321**214508**	white	3	350	3,6	16	–	5400	16
DP3-A1	4008321**033185**	red	3	350	2,4	16	616	–	16
DP3-A2	4008321**149534**	red	3	350	2,4	20	616	–	16
DP3-B1	4008321**033208**	blue	3	350	3,6	16	468	–	16
DP3-B2	4008321**149473**	blue	3	350	3,6	20	468	–	16
DP3-T2	4008321**149510**	green	3	350	3,6	16	531	–	16
DP3-V1	4008321**033345**	green	3	350	3,6	16	505	–	16
DP3-Y1	4008321**033420**	yellow	3	350	2,4	16	589	–	16

Modules perfectly matched to 350 mA OSRAM OPTOTRONIC® electronic control gear.

Dimensions: ∅ 35.2 mm, H: 12.1 mm. Cable length: 200 mm, cable cross-section: 0.35 mm²/AWG 22.

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

DRAGONpuck®

DRAGONpuck® is a compact high-intensity LED light source with 3 high-flux Golden DRAGON® LEDs and an efficient optical system.
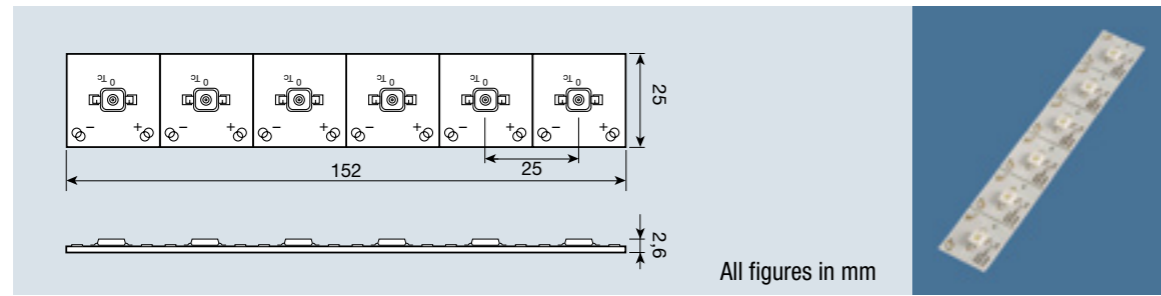
Special features:
- Very compact, same diameter as QR CBC lamps
- Narrow beam angle for use as a spot source
- M3 screw fixing
- Two-core connecting cable 200 mm with open cable ends
- Light source with long life

Applications:
- Reading lights
- Accent lighting
- Light source for furniture luminaires
- For orientation lights
- Spot light source

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.

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.

DRAGONtape®

All figures in mm

Product reference	Product number	COLOR		$I_{[mA]}$ [1]	W [1]	△° [1]	λ [1]	K [1]	
DRAGONtape®									
DT6-W3F-727	4008321**214287**	white	6	350	7,2	120	–	2700	25
DT6-W3F-854	4008321**214324**	white	6	350	7,2	120	–	5400	25
DT6-A1	4008321**015747**	red	6	350	4,8	120	617	–	25
DT6-A2	4008321**150141**	red	6	350	4,8	120	616	–	25
DT6-B1	4008321**015761**	blue	6	350	7,2	120	470	–	25
DT6-B2	4008321**150127**	blue	6	350	7,2	120	468	–	25
DT6-T2	4008321**150189**	green	6	350	7,2	120	531	–	25
DT6-V1	4008321**015785**	green	6	350	7,2	120	505	–	25
DT6-Y1	4008321**015860**	yellow	6	350	4,8	120	587	–	25

Modules perfectly matched to 350 mA OSRAM OPTOTRONIC® electronic control gear.
Dimensions (L x W x H): 152 mm x 25 mm x 2.6 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

DRAGONtape®

DRAGONtape® modules consist of six high-flux Golden DRAGON® LEDs in series on flexible and splittable boards.

Special features:
• Self-adhesive backing for simple installation
• Can be divided into units of 1 to 6 LEDs
• Optics which reduce the beam angle from 120° to 10°, 30° or 14 x 22° can be used as accessories
• Optics OP1x1 are positioned over the LED and screwed in place
• Contact is made by soldering two wires on the selected unit

Applications:
• Ideal for the development of prototype luminaires and LED solutions
• For orientation lights
• For shop and furniture lights and small signal lights
• Effect lighting and industrial applications

DRAGONtape® Optics
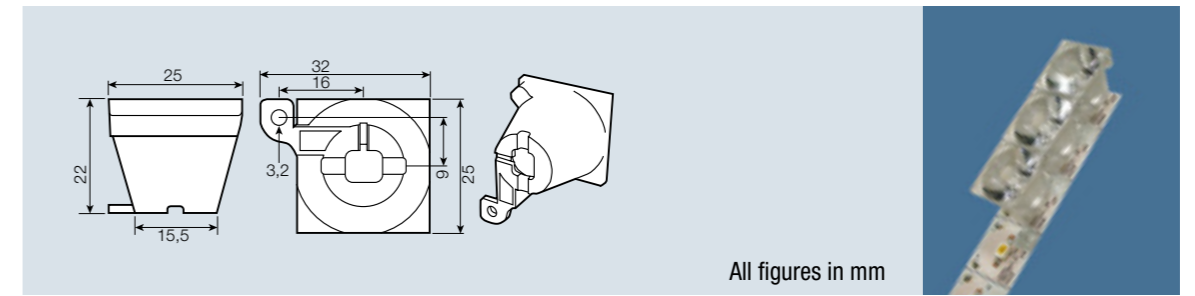
All figures in mm

Product reference	Product number	△°	
DRAGONtape® Optics			
OP1x1-10	4008321**909893**	10	150
OP1x1-30	4008321**909770**	30	150
OP1x1-14x22	4008321**909787**	14x22	150

For current technical data and important safety, installation and application information see www.osram.com//led-systems.
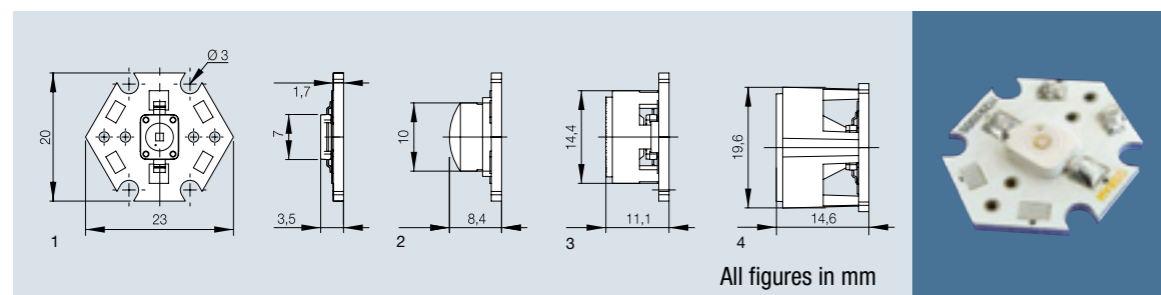
DRAGONtape® Optics
DRAGONtape® Optics are additional optics for the DRAGONtape®. They reduce the beam angle from 120° depending on the light color. Whereas OP1x1-10 and OP1x1-30 distribute the light symmetrically, the distribution is asymmetrical with OP1x1-14x22.

Special features:
• Suitable for all colors
• High optical efficiency
• The dimension of the lens is adapted to the smallest unit of the DRAGONtape®
• The optics are placed over the LED
• Simple and secure fixing with an M3 screw in the mounting hole (∅ 3.2 mm) of the optic holder or by the luminaire construction

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.

DRAGON-X

All figures in mm

Product reference	Product number	COLOR	⊙ [1)	I[mA] [1)	W [1)	∠ [1)	λ [1)	K [1)	⬚	No. [1)
DRAGON-X										
DX1-W3-733-W	4008321**171672**	white	1	350	1,2	120	–	3300	6x20	1
DX1-W3-733-L12W	4008321**171610**	white	1	350	1,2	12	–	3300	6x20	4
DX1-W3-733-L30W	4008321**171634**	white	1	350	1,2	30	–	3300	6x20	3
DX1-W3-733-L60W	4008321**171658**	white	1	350	1,2	60	–	3300	6x20	2
DX1-W3-854-W	4008321**171597**	white	1	350	1,2	120	–	5400	6x20	1
DX1-W3-854-L12W	4008321**171535**	white	1	350	1,2	12	–	5400	6x20	4
DX1-W3-854-L30W	4008321**171559**	white	1	350	1,2	30	–	5400	6x20	3
DX1-W3-854-L60W	4008321**171573**	white	1	350	1,2	60	–	5400	6x20	2
DX1-W3-865-W	4008321**171511**	white	1	350	1,2	120	–	6500	6x20	1
DX1-W3-865-L12W	4008321**171450**	white	1	350	1,2	12	–	6500	6x20	4
DX1-W3-865-L30W	4008321**171474**	white	1	350	1,2	30	–	6500	6x20	3
DX1-W3-865-L60W	4008321**171498**	white	1	350	1,2	60	–	6500	6x20	2
DX1-A2-W	4008321**171788**	red	1	350	0,8	120	616	–	6x20	1
DX1-A2-L12W	4008321**171696**	red	1	350	0,8	12	616	–	6x20	4
DX1-A2-L30W	4008321**171740**	red	1	350	0,8	30	616	–	6x20	3
DX1-A2-L60W	4008321**171764**	red	1	350	0,8	60	616	–	6x20	2
DX1-B2-W	4008321**171962**	blue	1	350	1,2	120	468	–	6x20	1
DX1-B2-L12W	4008321**171900**	blue	1	350	1,2	12	468	–	6x20	4
DX1-B2-L30W	4008321**171924**	blue	1	350	1,2	30	468	–	6x20	3
DX1-B2-L60W	4008321**171948**	blue	1	350	1,2	60	468	–	6x20	2
DX1-T2-W	4008321**172044**	green	1	350	1,2	120	525	–	6x20	1
DX1-T2-L12W	4008321**171986**	green	1	350	1,2	12	525	–	6x20	4
DX1-T2-L30W	4008321**172006**	green	1	350	1,2	30	525	–	6x20	3
DX1-T2-L60W	4008321**172020**	green	1	350	1,2	60	525	–	6x20	2
DX1-Y2-W	4008321**171887**	yellow	1	350	0,8	120	589	–	6x20	1
DX1-Y2-L12W	4008321**171801**	yellow	1	350	0,8	12	589	–	6x20	4
DX1-Y2-L30W	4008321**171825**	yellow	1	350	0,8	30	589	–	6x20	3
DX1-Y2-L60W	4008321**171849**	yellow	1	350	0,8	60	589	–	6x20	2

Modules perfectly matched to 350 mA OSRAM OPTOTRONIC® electronic control gear.
Dimensions: L x W: 20 mm x 23 mm; H (basic version): 3.5 mm; H (Version L12): 14.6 mm; H (Version L30): 11.1 mm;
H (Version L60): 8.4 mm. Cable cross-section: 0.2 mm²/AWG 24, cable length: 200 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

DRAGON-X

The DRAGON-X module is equipped with one high-flux Golden DRAGON® LED on a hexagonal metal core board.
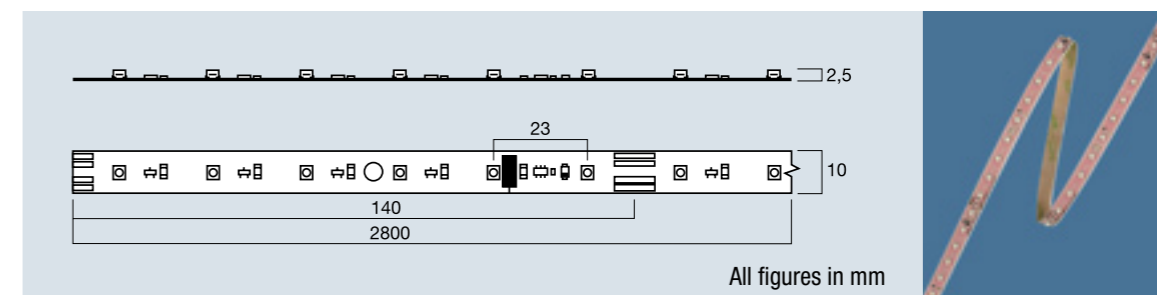
Special features:
• Available with different integrated optics 12° (L12),
30° (L30) and 60° (L60) or without optics (120°)

• With 20 cm connecting cable
• Optimum heat dissipation for instant use
• Universal applications

Applications:
• For portable and compact luminaires
• For use in architectural, shop and interior luminaires
• Safety lighting and signal lights

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.

LINEARlight POWER Flex
CONNECTsystem for Flex modules

All figures in mm

Product reference	Product number	COLOR	⊙ [1)	V_DC [1)	W [1)	∠ [1)	K [1)	⬚
LINEARlight POWER Flex								
LM10P-W3F-727	4008321**215444**	white	120	24	72	120	2700	8
LM10P-W3F-854	4008321**215482**	white	120	24	72	120	5400	8

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions of overall module (L x W x H): 2800 mm x 10 mm x 2.5 mm;
Basic dimensions of smallest unit (L x W x H): 140 mm x 10 mm x 2.5 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

LINEARlight POWER Flex

LINEARlight POWER Flex is a compact and powerful light source for use in general lighting.

• Flexible board with self-adhesive backing
• Dimmable by pulse width modulation (PWM)
• Small height for compact lighting solutions

Special features:
• Can be divided into units of 6 LEDs or multiples thereof with no loss of function for the parts
• Can be connected to the front of the module or at the division points
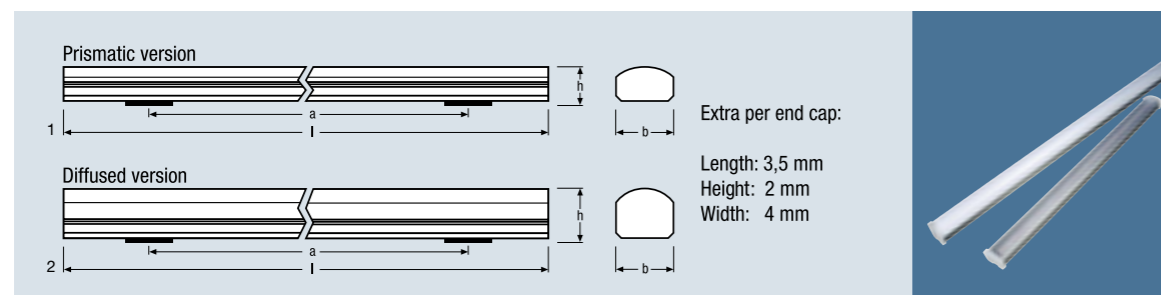• Connection with optional CONNECTsystem

Applications:
• Ideal for lighting counters, arches or handrails and also for edge lighting
• For illuminating or backlighting transparent or diffuse materials
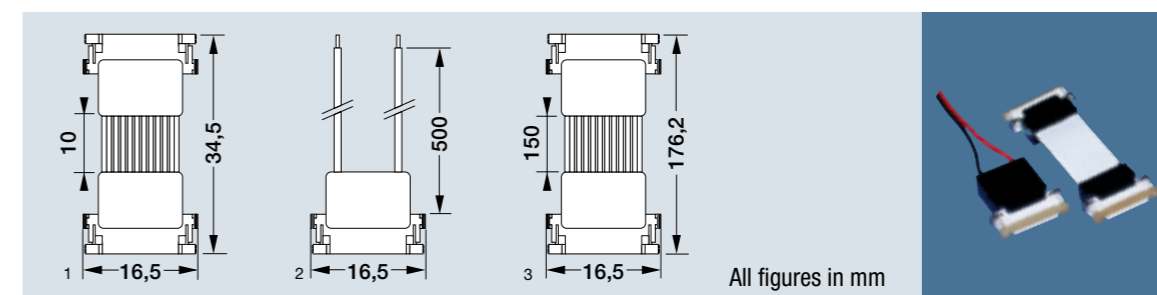
All figures in mm

Product reference	Product number	V [1)	A [1)	Cable cross-section/AWG	Cable length	⬚	No.
CONNECTsystem for Flex modules							
LM-CONN-10 FLEX	4008321**916259**	25	2,1	0,057/30	10	10x20	1
LM-CONN-150 FLEX	4008321**931375**	25	2,1	0,057/30	150	10x10	3
LM-2PIN FLEX	4008321**916211**	25	2,1	0,14/26	500	10x10	2

For current technical data and important safety, installation and application information see
www.osram.com//led-systems.

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.

LINEARlight Track

Prismatic version

Diffused version

Extra per end cap:

Length: 3,5 mm
Height: 2 mm
Width: 4 mm

Product reference	Product number	l x w x h without end cap	Recommended mounting hole spacing for metal brackets (a)	📦	No.
LINEARlight Track					
LT-H047-S	4008321**256805**	464 x 35,5 x 37,5 mm	232 mm (2 units)	10	2
LT-H143-S	4008321**256829**	1424 x 35,5 x 37,5 mm	475 mm (3 units)	6	2
LT-H047-P	4008321**239563**	464 x 35,5 x 26,5 mm	232 mm (2 units)	10	1
LT-H143-P	4008321**239587**	1424 x 35,5 x 26,5 mm	475 mm (3 units)	6	1

For current technical data and important safety, installation and application information see www.osram.com//led-systems.
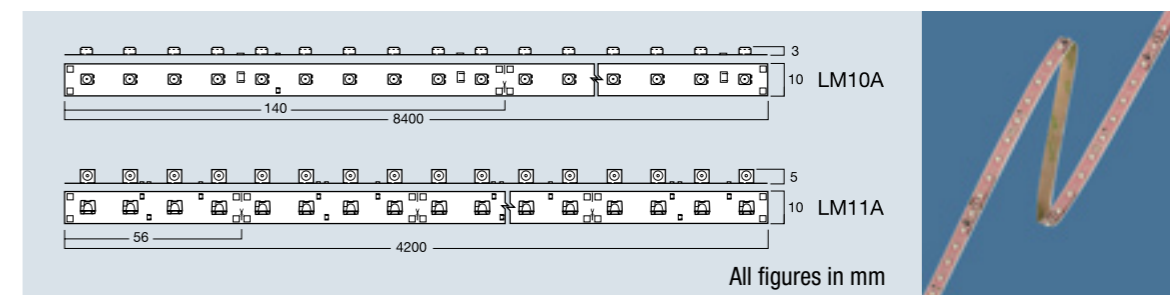
LINEARlight Track
LINEARlight Track, the universal lightweight aluminum track system for flexible or rigid OSRAM LINEARlight LED modules.

Special features:
- Two versions: Prismatic version for indirect lighting and diffused version for direct and uniform lighting
- Simple assembly and installation of the LED modules, either individually or as strip lighting
- Tracks available in two different lengths, can be shortened to any length
- Optimum cooling of the LED modules for long life and maximum reliability
- The PMMA covers have been optimized for the various applications and protect the LED modules against dirt at the same time
- Complete with mounting brackets and coupling elements

LINEARlight Flex® TOPLED®
LINEARlight Flex® SIDELED®

All figures in mm

Product reference	Product number	COLOR	◎ [1]	V_DC [1]	W [1]	△° [1]	λ [1]	K [1]	📦
LINEARlight Flex® TOPLED®									
LM10A-W2-847	4008321**040145**	white	600	24	55	120	–	4700	8
LM10A-W2-854	4050300**887289**	white	600	24	55	120	–	5400	8
LM10A-W2-865	4050300**887265**	white	600	24	55	120	–	6500	8
LM10A-W3F-727	4008321**214027**	white	600	24	86,4	120	–	2700	8
LM10A-W3F-733	4008321**931634**	white	600	24	86,4	120	–	3300	8
LM10A-W3F-854	4008321**214065**	white	600	24	86,4	120	–	5400	8
LM10A-A1	4008321**040060**	red	600	24	72	120	617	–	8
LM10A-B2	4008321**168818**	blue	600	24	72	120	470	–	8
LM10A-T2	4008321**168832**	green	600	24	72	120	525	–	8
LM10A-Y1	4050300**946030**	yellow	600	24	72	120	587	–	8
LINEARlight Flex® SIDELED®									
LM11A-W3-847	4008321**187161**	white	300	10	30	120	–	4700	8
LM11A-W3-854	4008321**187185**	white	300	10	30	120	–	5400	8
LM11A-W3-865	4008321**187208**	white	300	10	30	120	–	6500	8
LM11A-A	4008321**086952**	red	300	10	15	120	615	–	8
LM11A-B	4008321**086976**	blue	300	10	30	120	470	–	8
LM11A-T	4008321**086990**	green	300	10	30	120	528	–	8
LM11A-Y1	4050300**946016**	yellow	300	10	22,5	120	587	–	8

LINEARlight Flex® TOPLED®
Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear. Dimensions of overall module (L x W x H): 8400 mm x 10 mm x 3 mm; dimensions of smallest unit with 10 LEDs (L x W x H) 140 mm x 10 mm x 3 mm.
LINEARlight Flex® SIDELED®
Modules perfectly matched to 10 V OSRAM OPTOTRONIC® electronic control gear. Dimensions of overall module (L x W x H): 4200 mm x 10 mm x 5 mm; dimensions of smallest unit with 4 LEDs (L x W x H) 56 mm x 10 mm x 5 mm.
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

LINEARlight Flex®
LINEARlight Flex® is an LED module on a flexible pc board with light emitted either at the top (LM10A) or at the side (LM11A).

Special features:
- Low height for low-profile surface/enclosed mounting
- Connection with optional CONNECTsystem (see page 8.23)
- Low thermal output
- Flexible 3-D mounting possible
- Flexible board with double-sided adhesive tape for simple mounting

- Can be divided into the smallest unit or multiples thereof without affecting the function of the remainder of the board

Applications:
- Injection of light in displays and low-profile light guides
- Signage, advertising or display cabinet lighting
- Marker lights for walkways and outlines (e.g. escape routes, edges and steps)
- Backlighting of complex contours

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.
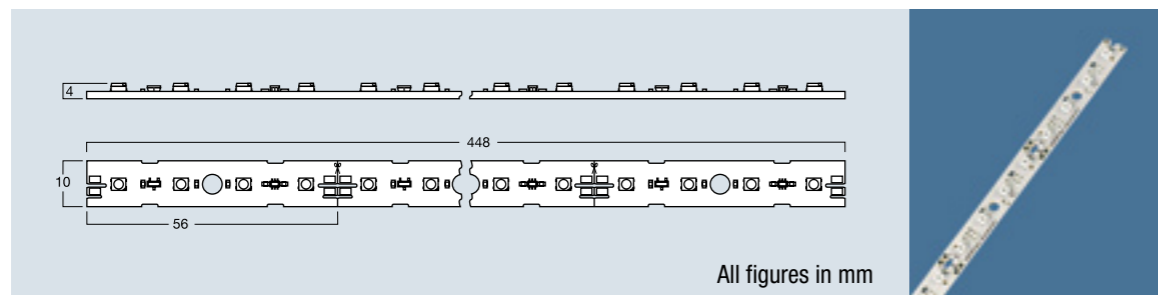
All figures in mm

Product reference	Product number	COLOR	[⊚] 1)	V_{DC} 1)	W 1)	[∠°] 1)	λ 1)	K 1)	[📦]
LINEARlight									
LM01A-W2-847	4008321**015983**	white	32	10	4	120	–	4700	10
LM01A-W2-854	4050300**887081**	white	32	10	4	120	–	5400	10
LM01A-W2-865	4050300**887043**	white	32	10	4	120	–	6500	10
LM01A-W3F-727	4008321**213945**	white	32	10	4	120	–	2700	10
LM01A-W3F-854	4008321**213921**	white	32	10	4	120	–	5400	10
LM01A-A1	4050300**887128**	red	32	10	4	120	617	–	10
LM01A-S1	4050300**888002**	super red	32	10	4	120	633	–	10
LM01A-O1	4050300**888040**	orange	32	10	4	120	606	–	10
LM01A-B1	4050300**888088**	blue	32	10	4	120	470	–	10
LM01A-T2	4050300**887845**	green	32	10	4	120	525	–	10
LM01A-Y1	4008321**015969**	yellow	32	10	4	120	587	–	10

Modules perfectly matched to 10 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions of overall module (L x W x H) 448 mm x 10 mm x 4 mm,
dimensions of smallest unit with 4 LEDs (L x W x H) 56 mm x 10 mm x 4 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

LINEARlight

The LINEARlight modules are suitable for general use and can be adapted to suit your needs with a high degree of flexibility.

Special features:
• Low thermal output
• Low height for low-profile surface/enclosed mounting
• Can be extended at will up to 3 modules, colors can be combined
• Expandable with optional accessories
• Optics matched to the smallest unit
• Module can be divided into small units without affecting the function of the remainder of the board

Applications:
• Injection of light in low-profile light guides and displays
• Linear structures in display cabinets and furniture
• Marker lights for walkways and outlines (e.g. escape routes, edges and steps)
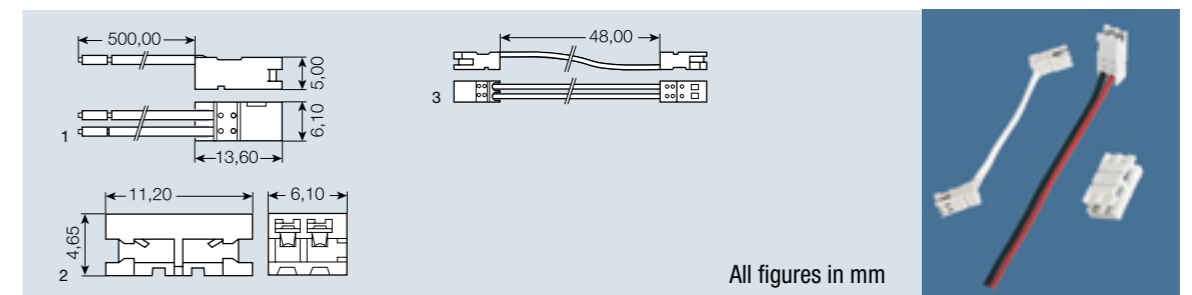
All figures in mm

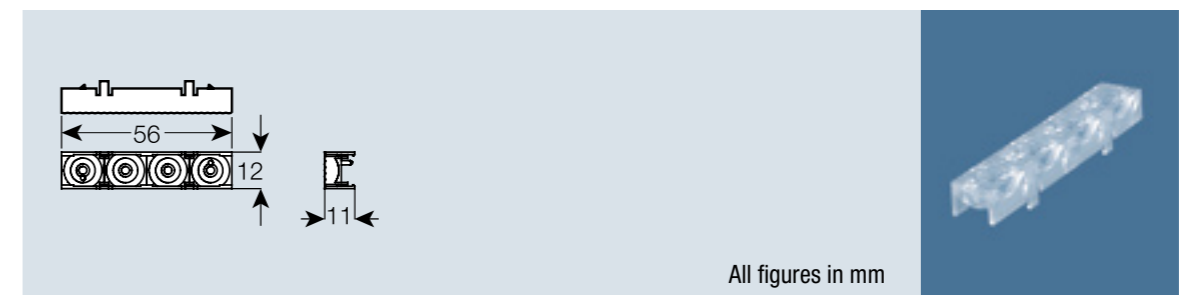| Product reference	Product number	V 1)	A 1)	Cable cross-section/AWG	Cable length	[📦]	No.
CONNECTsystem for LINEARlight							
LM-2CONN	4008321**908643**	11	2	–	–	50x10	2
LM-2CONN-50	4008321**908667**	11	2	0,31/22	48	50x10	3
LM-2PIN	4008321**908629**	11	2	0,31/22	500	50x10	1

For current technical data and important safety, installation and application information see
www.osram.com/led-systems.

CONNECTsystem for LINEARlight and EFFECTlight

The CONNECTsystem provides simple connection of LINEARlight LM01A and EFFECTlight WL01B modules with feeders and connectors.

Special features:
• Simple installation; no soldering required
• No tools required
• Reduced installation time
• Low profile
• Extremely vibration-proof

All figures in mm

Product reference	Product number	[∠°]	[📦]
LINEARlight Optics			
OP4x1	4008321**908704**	20/white 26	80

For current technical data and important safety, installation and application information see
www.osram.com//led-systems.

LINEARlight Optics

LINEARlight Optics is an add-on optical element for LINEARlight that reduces the beam angle from 120° to 20° (white 26°).

Special features:
• Suitable for all LED colors
• Uniformly illuminated surface
• High efficiency thanks to low transmission losses
• The length of the optics is matched to the smallest LINEARlight unit at 56 mm

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.

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LINEARlight Colormix Flex
CONNECTsystem for LINEARlight Colormix Flex

All figures in mm
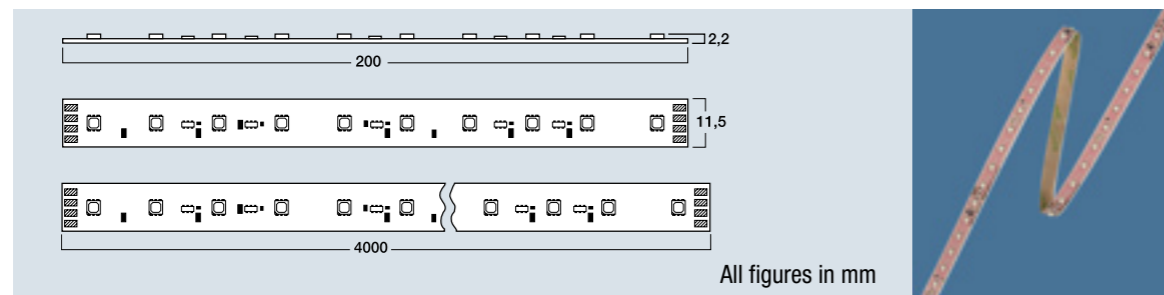
Product reference	Product number	COLOR	⟳	V_{DC} [1]	W [1]	∠° [1]	λ [1]	🗆
LINEARlight Colormix Flex								
LM10L-RGB-B7	4008321**008824**	RGB	200	24	55,2	120	625/525/467	8
LM10L-RGB2-B7	4008321**285317**	RGB	200	24	41	120	625/525/467	8
LM10L-RGB2-B6	4008321**288714**	RGB	200	24	41	120	625/525/465	8

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions of overall module (L x W x H): 4000 mm x 11.5 mm x 2.2 mm,
dimensions of smallest unit with 10 LEDs (L x W x H) 200 mm x 11.5 mm x 2.2 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

LINEARlight Colormix Flex
LINEARlight Colormix Flex on flexible board material is ideal for dynamic color applications.

Special features:
- Toolless connection with the optional CONNECTsystem
- Can be divided into units of 10 LEDs or multiples thereof with no loss of function for the parts
- Homogeneous color changing with three colored chips in one package

Applications:
- For lighting solutions with changing colors in linear structures
- For injecting light into transparent and dispersing materials
- Effect lighting in architecture
- Dynamic effects in public zones
- Enables color mixing with no annoying wandering of the light points
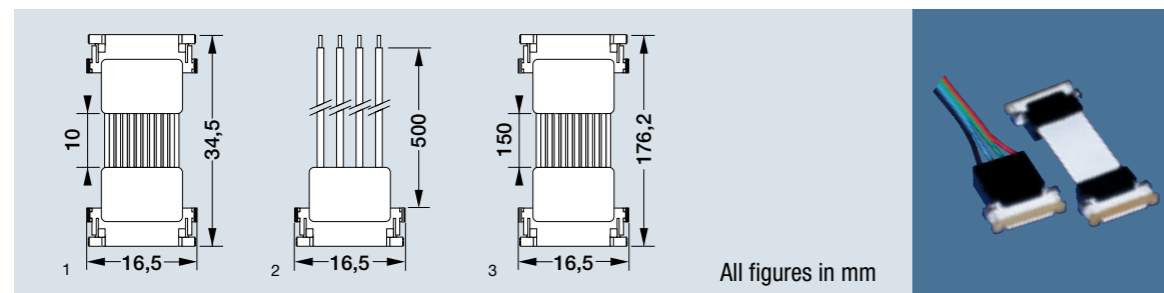
All figures in mm

Product reference	Product number	V [1]	A [1]	Cable cross-section/AWG	Cable length	🗆	No.
CONNECTsystem for LINEARlight Colormix Flex							
LM-CONN-10 FLEX	4008321**916259**	25	2,1	0,057/30	10	20x10	1
LM-CONN-150 FLEX	4008321**931375**	25	2,1	0,057/30	150	10x10	3
LM-4PIN FLEX	4008321**916235**	25	2,1	0,14/26	500	10x10	2

For current technical data and important safety, installation and application information see
www.osram.com//led-systems.

LINEARlight Colormix
CONNECTsystem for LINEARlight Colormix

All figures in mm
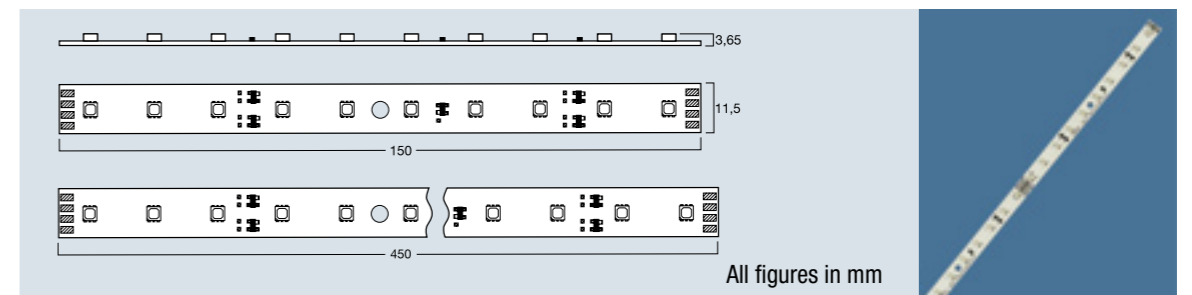
Product reference	Product number	COLOR	⟳	V_{DC} [1]	W [1]	∠° [1]	λ [1]	🗆
LINEARlight Colormix								
LM01M-RGB-B7	4050300**820873**	RGB	30	24	8,3	120	617/525/467	10
LM01M-RGB-B8	4050300**820897**	RGB	30	24	8,3	120	617/525/473	10

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions for overall module: L x W x H: 450 mm x 11.5 mm x 3.65 mm,
Dimensions of smallest unit with 10 LEDs: L x W x H: 150 mm x 11.5 mm x 3.65 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

LINEARlight Colormix
OSRAM MULTILED units each with 3 colored chips (red, green and blue) in a single package are used in the LINEARlight Colormix modules.

Special features:
- Enables color mixing with no annoying wandering of the light points
- Low thermal output
- Rigid module, can be divided into small units without affecting the function of the remainder of the board

- Toolless connection with the optional CONNECTsystem with connector and feeder
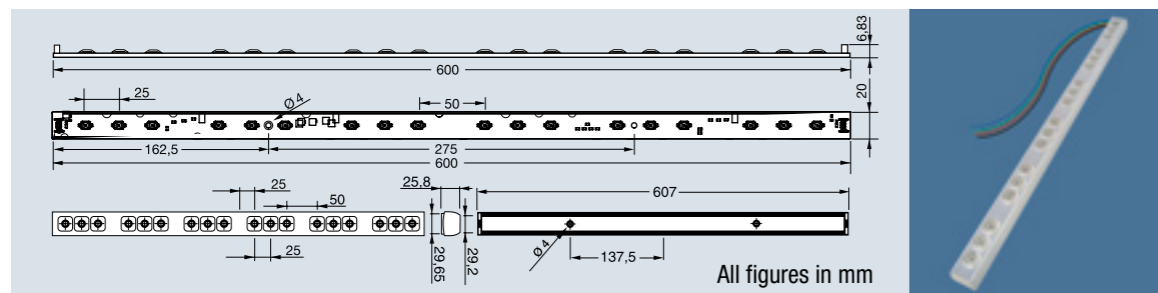
Applications:
- For lighting solutions with changing colors in linear structures
- For injecting light into transparent and dispersing materials
- Effect lighting in architecture
- Dynamic light as an architectural effect in public zones
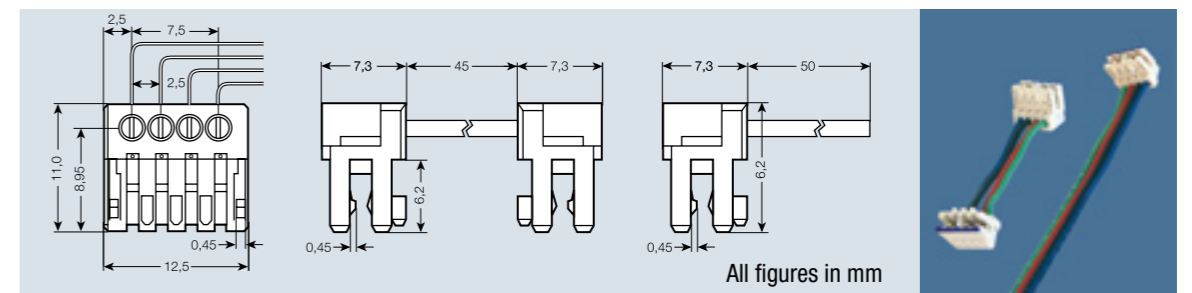
All figures in mm

Product reference	Product number	V [1]	A [1]	Cable cross-section/AWG	Cable length	🗆
CONNECTsystem for LINEARlight Colormix						
LM-4CONN-45	4008321**116277**	25	3	0,31/22	45	100x10
LM-4PIN	4008321**908681**	25	3	0,31/22	500	50x10

For current technical data and important safety, installation and application information see
www.osram.com//led-systems.

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.

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LINEARlight-DRAGON® Colormix
CONNECTsystem for LINEARlight-DRAGON® Colormix

All figures in mm

Product reference	Product number	COLOR	⊙	V_{DC} 1)	W 1)	∠ 1)	λ 1)	⬚
LINEARlight-DRAGON® Colormix								
LD18A-RGB	4008321**248572**	RGB	18	24	23	120	617/525/467	6
LD18A-RGB-14x22	4008321**251787**	RGB	18	24	23	14x22	617/525/467	6

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions of individual board (L x W x H): 600 mm x 20 mm x 7 mm.
Dimensions of overall module (L x W x H): 607 mm x 36 mm x 25.8 mm.
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

LINEARlight-DRAGON® Colormix board and system
is a versatile RGB platform consisting of a metal core board with 18x high-power Golden DRAGON® LEDs, lens holder and designer heat sink.
**Special features:**
• Plug & play connection thanks to CONNECTsystem LD-4x
• The board can also be connected by soldering cables
• Up to two modules can be connected one after the other
• Dimmable by pulse width modulation (PWM)
• The board can be combined with optical lenses OP1x1 (see page 8.21)

System:
• Integrated 14x22° for wall-wash effects
• Simple mounting of the overall system thanks to two mounting holes accessible at the front or mounting brackets LD-MB (see page 8.17)
• Feeder LD-4x is premounted
• Aluminum package for ideal heat removal
Applications:
• Intensive color effects for special moods
• Overall system ideal for wall-wash effects indoors
• Board for luminaire installation with medium to large coving
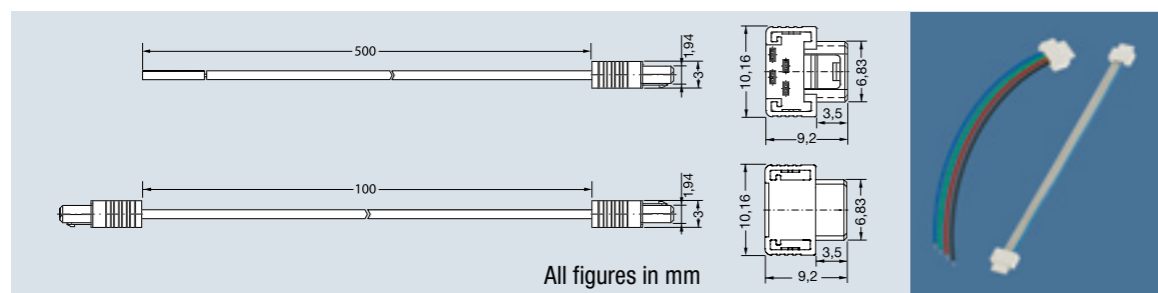
All figures in mm

Product reference	Product number	V 1)	A 1)	Cable cross-section/AWG	Cable length	⬚
CONNECTsystem for LINEARlight-DRAGON® Colormix						
LD-4PIN	4008321**931337**	25	3	0,14/26	500	50x10
LD-4CONN-100	4008321**931351**	25	3	0,14/26	100	100x10

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

DRAGONchain™ Colormix

Basic module

Overall module

All figures in mm
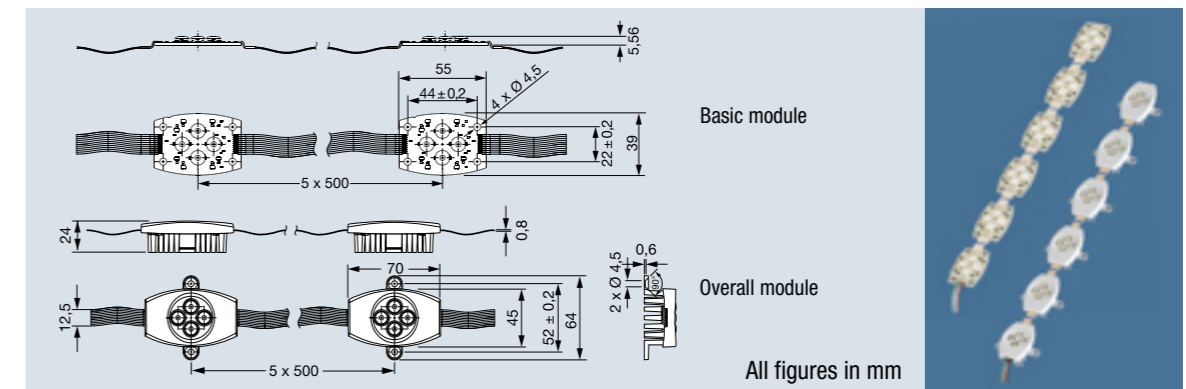
Product reference	Product number	COLOR	⊙	V_{DC} 1)	W 1)	A 1)	λ 1)	⬚
DRAGONchain™ Colormix								
DC24A-RGB	4008321**251831**	RGB	24	24	30	1,25	625/525/467	6
DC24A-RGB-H	4008321**254658**	RGB	24	24	30	1,25	625/525/467	6

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions for overall module: 3,000 mm. Center spacing: 500 mm.
For current photometric data and important safety, installation and application information see www.osram.com//led-systems.

DRAGONchain™ Colormix basic and system
is a versatile IPx5 RGB LED chain suitable for outdoor use consisting of 6 metal core boards each with 4 high-power Golden DRAGON® Argus LEDs. With so much light emitted at the side a large number of light sources can be mixed. Large surfaces can therefore be uniformly lit and scatter can be compensated. They can be used as replacements for fluorescent lamps in large light boxes.
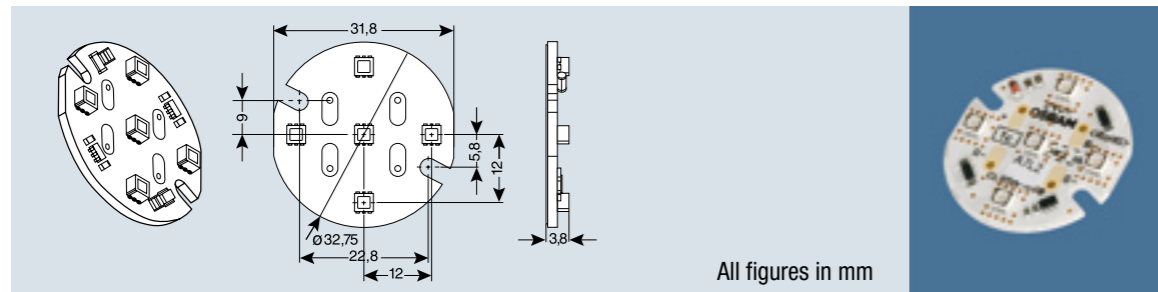
Special features:
• Suitable for outdoor use thanks to appropriate coating
• Simple connection with open cable ends
• Up to two modules can be operated on an OT EASY 60
• Dimmable by pulse width modulation (PWM)
• Fixed mounting with M4 screws
• The large spacing of 50 cm between the boards enables an area of 1 m² to be uniformly backlit, with a light box depth of around 20 cm and medium transmissivity of the diffuser
• With a spacing of around 10 cm between the module and the diffuser an area of approximately 0.5 m² can be uniformly backlit
• The heat sink integrated in the package makes applications easier

Applications:
• Dynamic colored backlighting over large areas/ light boxes
• Floor mounting, mood lighting
• Wellness, trade fair and shop lighting

COINlight® Colormix

All figures in mm

Product reference	Product number	COLOR		V_{DC} [1)]	W [1)]	∠° [1)]	λ [1)]	

COINlight® Colormix

| CL05A-RGB | 4008321**208262** | RGB | 5 | 24 | 1,6 | 120 | 625/525/467 | 25 |

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions for overall module: ∅ 33 mm, H: 4 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

COINlight® Colormix
COINlight® Colormix is a compact RGB LED module with self-adhesive backing for easy installation, offering particularly dynamic color effects. This versatile module can also be combined to form individual RGB chains. Many different color moods are possible thanks to simple control with OT EASY 60 for example.
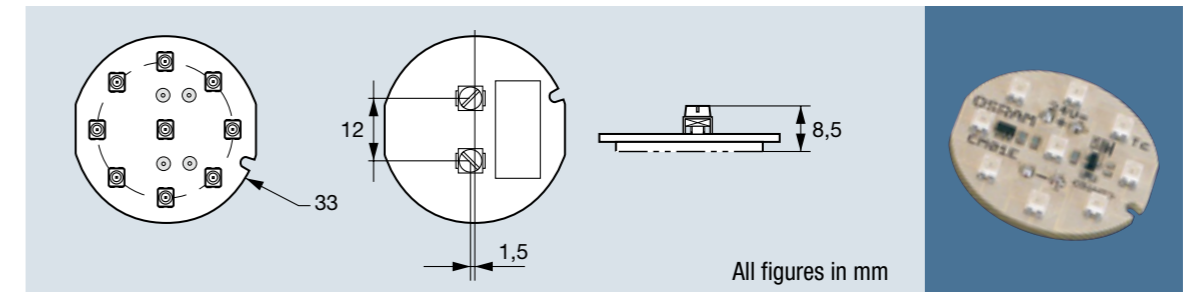
Special features:
- Compact round RGB module with 5 MULTILED units
- 24 V/PWM (pulse width modulation) control for operation/color changes
- Connection possible by soldering wires on the surface and from underneath
- Mounting with self-adhesive backing or M3 screws
- Dimensions: ∅ 33 mm, height: 4 mm

Applications:
- Suitable for backlighting, for recessed luminaires and for recessed floor lights
- Dynamic color applications, accent lighting in furniture, counters or display cabinets

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COINlight®

All figures in mm

Product reference	Product number	COLOR		V_{DC} [1)]	W [1)]	∠° [1)]	K [1)]	λ [1)]	

COINlight®

CM01E-W2-854	4008321**040107**	white	9	24	1,2	120	5400	–	25
CM01E-A1	4050300**857534**	red	9	24	1,0	120	–	617	25
CM01E-B1	4050300**947891**	blue	9	24	1,2	120	–	470	25
CM01E-T2	4008321**132642**	green	9	24	1,2	120	–	525	25
CM01E-Y1	4050300**947938**	yellow	9	24	1,0	120	–	587	25

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions: ∅ 33 mm, H: 8.5 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

COINlight®
Because of their compact dimensions the COINlight® modules are ideal for use in luminaires for walkway marking.
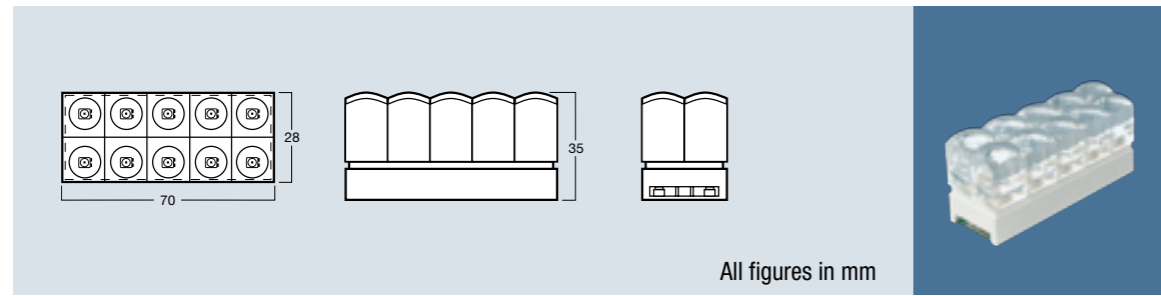
Special features:
- Low height for low-profile enclosed fittings
- Connected with screw terminals
- Dimmable by pulse width modulation (PWM)

Applications:
- Light source for marker luminaires (e.g. marking walkways and paths)
- Recessed wall luminaires
- Recessed floor luminaires

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.

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EFFECTlight

All figures in mm

Product reference	Product number	COLOR		V$_{DC}$ [1)	W [1)	°[1)	λ [1)	[1)
EFFECTlight								
WL01B-A1	4008321**909855**	red	10	24	1,5	4	617	10
WL01B-B2	4008321**909886**	blue	10	24	1,1	4	469	10
WL01B-V1	4008321**909879**	green	10	24	1,1	4	505	10
WL01B-Y1	4008321**909862**	yellow	10	24	1,5	4	587	10

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions for overall module: L x W x H: 70 mm x 28 mm x 35 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

EFFECTlight
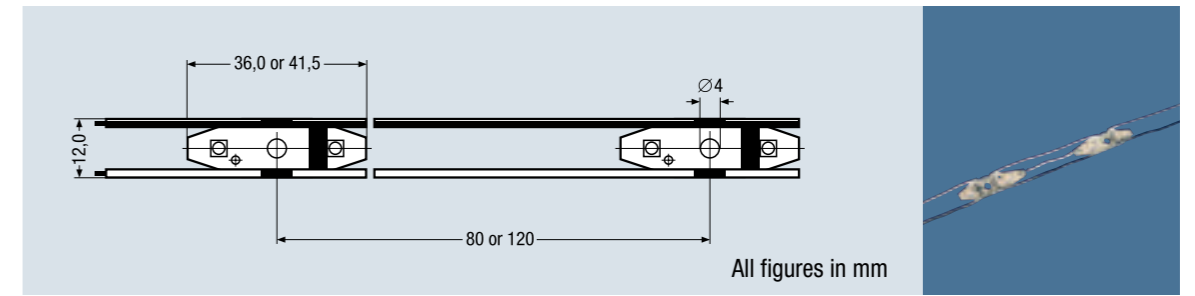LED system with integrated lens optics for effective lighting.

Special features:
- With power feed, 14 modules can be connected in series
- Very low thermal output
- Dimmable by pulse width modulation (PWM)
- Simple contacting with the optional OSRAM CONNECTsystem (see page 8.27)
- Combines very well with optical elements

Applications:
- Effect lighting in and on buildings
- Lighting effects for columns and arches
- Strip lighting
- Signaling systems
- Small spotlights

BACKlight BL02

All figures in mm

Product reference	Product number	COLOR		V$_{DC}$ [1)	W [1)	°[1)	λ [1)	K [1)	[1)
BACKlight BL02									
BL02S-W2-854	4008321**084132**	white	240	10	38	120	–	5400	5
BL02S-W2-865	4008321**083937**	white	240	10	38	120	–	6500	5
BL02L-W3F-865	4008321**214645**	white	240	10	44	120	–	6500	5
BL02S-A1	4008321**083715**	red	240	10	38	120	617	–	5
BL02S-A2	4008321**174932**	red	240	10	38	120	617	–	5
BL02S-B1	4008321**084071**	blue	240	10	32	120	470	–	5
BL02S-O1	4008321**083975**	orange	240	10	38	120	606	–	5
BL02S-S1	4008321**083951**	super red	240	10	38	120	633	–	5
BL02S-T2	4008321**084057**	green	240	10	32	120	525	–	5
BL02S-Y2	4008321**084033**	yellow	240	10	38	120	587	–	5

Modules perfectly matched to 10 V OSRAM OPTOTRONIC® electronic control gear.
Dimensions: The maximum overall length for version BL02S is 2 x 4.8 m = 9.60 m; board spacing: 80 mm.
The maximum overall length for version BL02L is 2 x 7.2 m = 14.40 m; board spacing: 120 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

BACKlight BL02
BACKlight BL02 enables any shapes to be uniformly backlit. Because of their length, these slim LED chains can be installed quickly and easily.
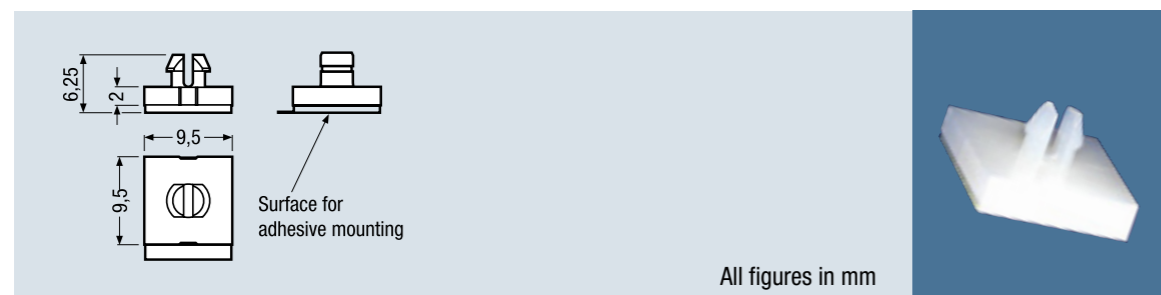
Special features:
- A reel comprises two LED chains consisting of 60 boards each with two LEDs
- The flexible cables enable the luminance to be individually adjusted
- Installation "from the reel" and simple connection to the control gear reduces installation costs considerably
- The small height and wide beam angle enable extremely low-profile lettering to be created with uniform illumination
- Split points between the individual boards make it easier to prepare the boards and mount them in lettering
- The boards are coated at the factory to protect them against moisture and condensate
- The boards are installed with screws or self-adhesive installation aid BL-T
- NEW – BL02L-W3F: white light colors now available with an average of 70% greater brightness

Applications:
- Illuminated advertising
- Ideal for mounting in small lettering
- Backlighting of complex contours

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.

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BL-T installation aid

6,25
2
9,5
9,5

Surface for
adhesive mounting

All figures in mm

Product reference	Product number	l [mm]	b [mm]	h [mm]	
BL-T installation aid					
BL-T	4008321**161284**	9,5	9,5	6,25	5x60

For current technical data and important safety, installation and application information see
www.osram.com//led-systems.

BACKlight BL04

80 or 120
36
28,2
Ø4
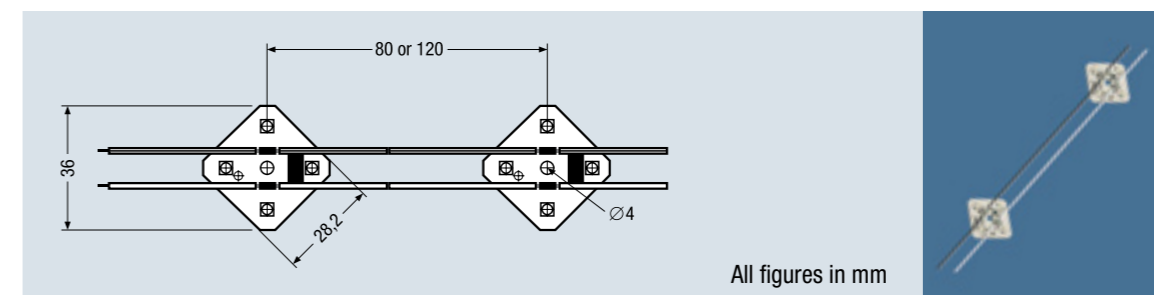
All figures in mm

Product reference	Product number	COLOR	◎	V_DC [1]	W [1]	△° [1]	λ [1]	K [1]	
BACKlight BL04									
BL04S-W2-854	4008321**907356**	white	240	10	38	120	–	5400	5
BL04S-W2-865	4008321**907370**	white	240	10	38	120	–	6500	5
BL04L-W3F-865	4008321**214706**	white	240	10	44	120	–	6500	5
BL04S-B1	4008321**907332**	blue	240	10	32	120	470	–	5

Modules perfectly matched to 10 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions for overall module: The maximum overall length is 2 x 2.4 m = 4.8 m.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

BACKlight BL04
BACKlight BL04 enables any shapes to be uniformly
backlit with high-intensity light.
The BACKlight modules are extremely robust and,
unlike fluorescent lamps for example, do not contain
any filaments or glass that can easily be damaged
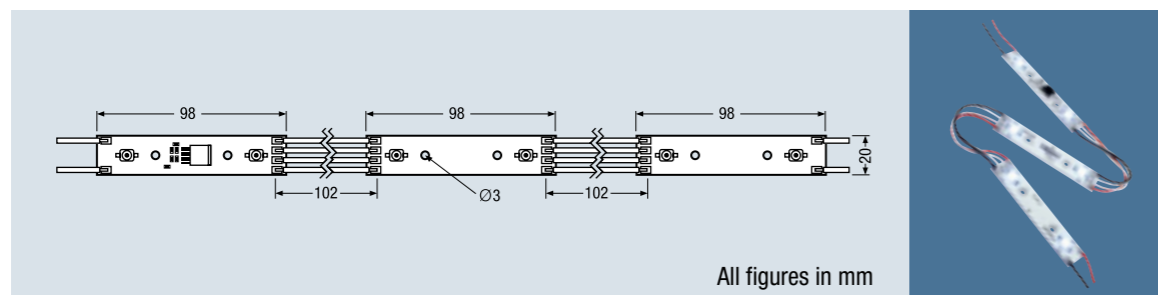during transit or installation.

Special features:
• A reel comprises two LED chains consisting of
  30 boards each with four LEDs
• The flexible cables enable the luminance to be
  individually adjusted
• Installation "from the reel" and simple connection
  to the control gear reduces installation costs
  considerably
• The small height and wide beam angle enable
  extremely low-profile lettering to be created with
  uniform illumination

• Split points between the individual boards make it
  easier to prepare the boards and mount them in
  lettering
• The boards are coated at the factory to protect
  them against moisture and condensate
• The boards are installed with screws or self-
  adhesive installation aid BL-T (available as an
  accessory – see page 8.36)
• NEW – BL04L-W3F: white light colors now
  available with an average of 70% greater
  brightness

Applications:
• Illuminated advertising
• Backlighting of complex contours
• Ideal as efficient light sources for medium to large
  lettering

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.

DRAGONchain™

98 98 98
102 Ø3 102
20

All figures in mm

Product reference	Product number	COLOR		V_DC 1)	W 1)	°1)	K 1)	
DRAGONchain™								
DC02A-W3-865	4008321**174680**	white	36	24	52	120	6500	1

Modules perfectly matched to 24 V OSRAM OPTOTRONIC® electronic control gear.
Basic dimensions for overall module: 3.60 m, board spacing: 200 mm.
For current photometric data and important safety, installation and application information see
www.osram.com//led-systems.

DRAGONchain™
DRAGONchain™ is the efficient alternative to white neon for backlighting large lettering and similar structures. The particular advantages over neon are the reduced manufacturing and maintenance costs, long life and small dimensions.

Special features:
- A module comprises an LED chain consisting of 18 metal core boards each with two OSRAM Golden DRAGON® LEDs
- The flexible cables enable the luminance to be individually adjusted
- Installation and simple connection to the control gear reduces installation costs dramatically
- The small height and wide beam angle ensure uniform illumination of the backlit structures
- Split points between the module sections make it easier to prepare the boards and mount them in lettering
- The boards are coated at the factory to protect them against moisture and condensate

Applications:
- Ideal for mounting in large deep lettering
- Illuminated advertising and corporate lighting
- Backlighting of complex and deep structures

Tender documents

PARATHOM® R50 6 W

High-power LED lamp in R50 reflector design with E14 base
Power consumption approx. 6 W
Beam angle 20°
Color: available in warm white, cold white, red, green, blue and yellow
Equipped with successful OSRAM High-Power Golden DRAGON® LEDs
Metal bulb
Extravagant unmistakable OSRAM design
Not suitable for use with dimmers

PARATHOM® PAR16 5 W

High-power LED lamp in PAR 156 reflector design with E27 or GU10 base
Power consumption approx. 5 W
Beam angle 20°
Color: available in warm white, cold white, red, green, blue and yellow
Equipped with successful OSRAM High-Power Golden DRAGON® LEDs
Metal bulb
Not suitable for use with dimmers

PARATHOM® PAR16 2 W

LED lamp in PAR 16 reflector design with E27 or GU10 base
Power consumption approx. 2 W
Beam angle 30°
Suitable for spotlighting over short distances
Color: available in warm white, cold white, red, green, blue and yellow
Equipped with successful OSRAM High-Power Golden DRAGON® LEDs
Lamp casing in neutral semi-transparent plastic
Not suitable for use with dimmers

DECOSPOT®

Decorative LED lamp in PAR 16 reflector design with E14 or GU10 base
Power consumption < 1 W
Color: available in cold white, red, green, blue and color-changing
With 5 mm Radial LEDs
Glass lamp case
Not suitable for use with dimmers

DRAGONSTAR®

Low-voltage LED lamp in MR16 reflector design with GU5.3 base
Power consumption 1.5 W to 2.8 W
Color: available in warm white, red, green, blue and yellow
Equipped with successful OSRAM High-Power Golden DRAGON® LEDs
Lamp casing in highly polished metal reflector
Operated with conventional 12 V AC transformers or OSRAM OPTOTRONIC® 10 V DC (OT12 or OT50)

PARATHOM® CL

PARATHOM® CLASSIC A&P&B
Professional LED lamp for line voltage in classic light bulb shape with E27 or E14 base
Color: available in warm white, cold white, red, green, blue, yellow and color-changing
Equipped with tried and tested OSRAM LEDs (Advanced Power TopLED and 6-Lead MultiLED)
Retro design for a pleasant atmosphere
Plastic casing
Suitable for indoors and outdoors
Color changing permanent, uniform and synchronized with simultaneous switch-on
Not suitable for use with dimmers

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.