

Design for the future. OSRAM PrevaLED™ Core Light Engines.

PrevaLED™ Core Light Engines are powerful and highly efficient. They give lighting designers enormous freedom of expression thanks to their compact dimensions. With its fixed interfaces and constant lumen packages, PrevaLED™ Core is the ideal platform for future-proof developments.



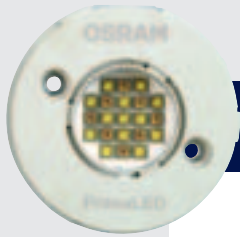
Special features:

- Fixed interfaces provide the basis for future-proof designs with reduced luminaire development costs
- Great design freedom thanks to maximum optical performance and flexibility
- Available with lumen packages of 800–3,000 lumen, in 3,000K and 4,000K
- CRI 80 and >90
- High quality of light with CRI >90 at full system efficiency of up to 75lm/W
- Reduced module-to-module variations due to active control

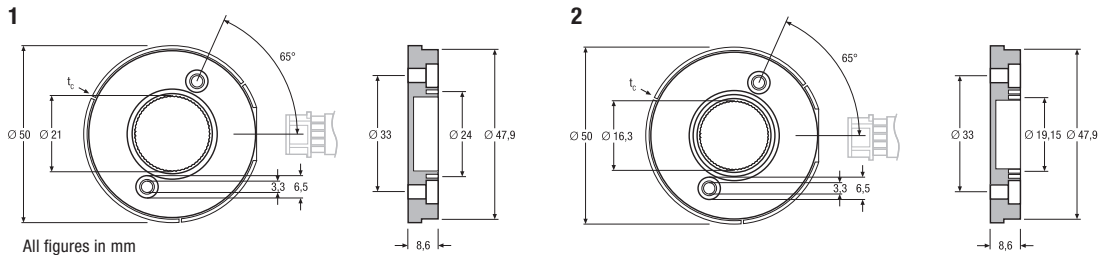
- All Light Engines have the same dimensions independent of lumen package
- Compact module with integrated reflector mounting
- Wide beam angle of 140°, ideal for use with reflectors
- Future-proof system thanks to one-to-one replacement of modules at any time

Applications:

- Many applications in downlights and spotlights
- Efficient lighting for shops, halls and corridors



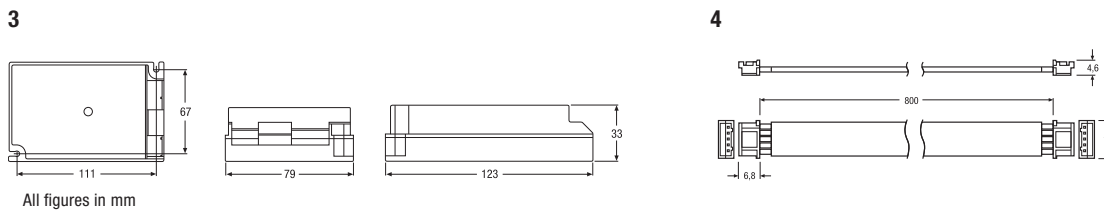
OSRAM PrevaLED™ Core



| Product reference | Product number | W ¹⁾⁵⁾ | lm ¹⁾ | lm/W ¹⁾⁶⁾ | K ¹⁾ | R _a ¹⁾ | γ ¹⁾ | SDCM ¹⁾ | | No. ¹⁾ |
|-------------------|----------------|-------------------|------------------|----------------------|-----------------|------------------------------|-----------------|--------------------|--|-------------------|
|-------------------|----------------|-------------------|------------------|----------------------|-----------------|------------------------------|-----------------|--------------------|--|-------------------|

OSRAM PrevaLED™ Core

| | | | | | | | | | | |
|---------------------------------|---------------|----|------|----|------|------|-----|-----|---------------|---|
| LEP-3000-930-HD-C ²⁾ | 4008321966070 | 43 | 3000 | 70 | 3000 | > 90 | 140 | < 3 | ⁴⁾ | 1 |
| LEP-3000-840-HD-C ²⁾ | 4008321966094 | 43 | 3000 | 70 | 4000 | > 85 | 140 | < 3 | ⁴⁾ | 1 |
| LEP-2100-930-HD-C | 4008321963352 | 28 | 2100 | 75 | 3000 | > 90 | 140 | < 3 | ⁴⁾ | 1 |
| LEP-2100-840-HD-C | 4008321963369 | 28 | 2100 | 75 | 4000 | > 85 | 140 | < 3 | ⁴⁾ | 1 |
| LEP-2100-830-C | 4008321963376 | 38 | 2100 | 55 | 3000 | 80 | 140 | < 4 | ⁴⁾ | 1 |
| LEP-2100-840-C | 4008321963383 | 35 | 2100 | 60 | 4000 | 80 | 140 | < 4 | ⁴⁾ | 1 |
| LEP-800-930-HD-C ²⁾ | 4008321963390 | 11 | 800 | 75 | 3000 | > 90 | 140 | < 3 | ⁴⁾ | 2 |
| LEP-800-840-HD-C ²⁾ | 4008321963406 | 11 | 800 | 75 | 4000 | > 85 | 140 | < 3 | ⁴⁾ | 2 |



| Product reference | Product number | W ¹⁾ | T _a | l ¹⁾ [mm] | b ¹⁾ [mm] | h ¹⁾ [mm] | | No. ¹⁾ |
|-------------------|----------------|-----------------|----------------|----------------------|----------------------|----------------------|--|-------------------|
|-------------------|----------------|-----------------|----------------|----------------------|----------------------|----------------------|--|-------------------|

OPTOTRONIC® control gear for LEDs

| | | | | | | | | |
|--|---------------|----|----------|-----|----|----|---------------|---|
| OTp 45/220-240/700 HD ²⁾ | 4008321966117 | 45 | -20...50 | 123 | 79 | 33 | ⁴⁾ | 3 |
| OTp DALI 35/220-240/700 HD ³⁾ | 4008321963413 | 35 | -20...50 | 123 | 79 | 33 | ⁴⁾ | 3 |
| OTp 35/220-240/700 HD | 4008321963420 | 35 | -20...50 | 123 | 79 | 33 | ⁴⁾ | 3 |
| OTp 35/220-240/700 ³⁾ | 4008321962218 | 35 | -20...50 | 123 | 79 | 33 | ⁴⁾ | 3 |
| OTp 15/220-240/700 HD ³⁾ | 4008321962225 | 15 | -20...50 | 109 | 50 | 35 | ⁴⁾ | 3 |

Accessories

| | | | |
|---|---------------|---------------|---|
| Cable, 40 cm | 4008321966131 | ⁴⁾ | 4 |
| Cable, 80 cm | 4008321962331 | ⁴⁾ | 4 |
| Cable clamp for OTp 45, OTp DALI 35, OTp 35 | 4008321966155 | ⁴⁾ | – |

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) Target values
 3) Available in the third and fourth quarter of 2010
 4) To be determined
 5) System power including ECG
 6) System efficacy including ECG

With a clear objective: COINlight® Advanced.

Specifically targeted pools of light can fundamentally change the overall impression of a room. They are used for orientation and for uniform illumination of offices or walkways. The new COINlight® Advanced module, a round high-power spotlight with an integrated primary heat sink, provides unmistakable accent lighting as a recessed unit.



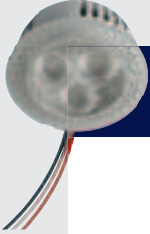
Special features:

- Easy to integrate into standard luminaires
- Integrated 36° optics
- M3 internal thread for simple installation
- Fitted with three connecting cables:
red +, black -, white for dimming
- Dimmable by pulse width modulation (PWM)
- The modules can only be connected in parallel
- Up to 10 modules can be connected one after the other
with only one OT 75 unit

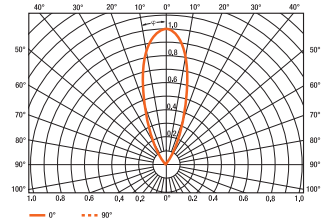
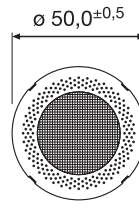
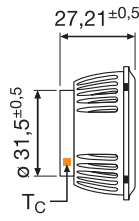
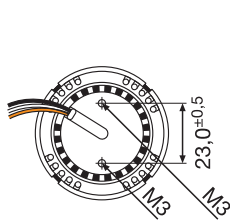
Applications:

- Ideal for use in recessed ceiling lights or shop lighting
- Perfect for orientation and accent lighting

Optional accessories on page 92



COINlight® Advanced



All figures in mm

Product reference

Product number



COINlight® Advanced

| Product reference | Product number | COLOR | Beam spread | V _{DC} 1) | W 1) | Beam spread 1) | K 1) | Package quantity |
|-------------------|----------------|-------|-------------|--------------------|------|----------------|------|------------------|
| CA50-051-830-L36 | 4008321958914 | white | 3 | 24 | 7.5 | 36 | 3000 | 20 |
| CA50-051-840-L36 | 4008321958938 | white | 3 | 24 | 7.5 | 36 | 4000 | 20 |
| CA50-051-854-L36 | 4008321958952 | white | 3 | 24 | 7.5 | 36 | 5400 | 20 |

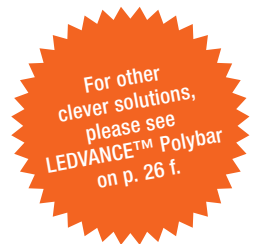
Modules are perfectly matched to 24V OSRAM OPTOTRONIC® electronic control gear.

Cable length: 500 mm.

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

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.

Built-in flexibility: LINEARlight-DRAGON®.



Every system is only as flexible as its individual elements. LINEARlight-DRAGON® has taken this principle to heart. On the one hand, the metal core board with six high-flux Golden DRAGON® Plus LEDs is extremely adaptable in recessed installations. On the other hand, the flexible system with lens holder and designer heat sink offers impressive versatility.



Special features:

- New LD06B-W4F types with 80–120% higher luminous flux than predecessor LD06A-W3F types
- Mounting holes on the overall system and on the board for attachment with screws. Alternative mounting of the overall system with LD-MB mounting brackets
- Dimmable by pulse width modulation (PWM)
- Integrated 30° optics (for overall system)
- Additional OP1x1 optics for different applications (spotlight, wide-area lighting, wall washing) can be combined with the board
- Up to six modules can be connected one after the other with mid-feed with only one OT 75 unit

- Plug-&-play connection (feeder and connector) thanks to the LD-2x CONNECTsystem

Applications:

- Ideal for recessed luminaires
- Suitable for wide-area illumination and other general lighting applications
- Wall washing, cove lighting

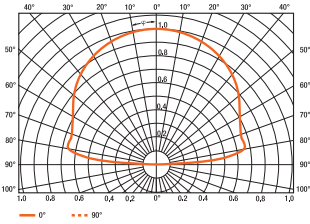
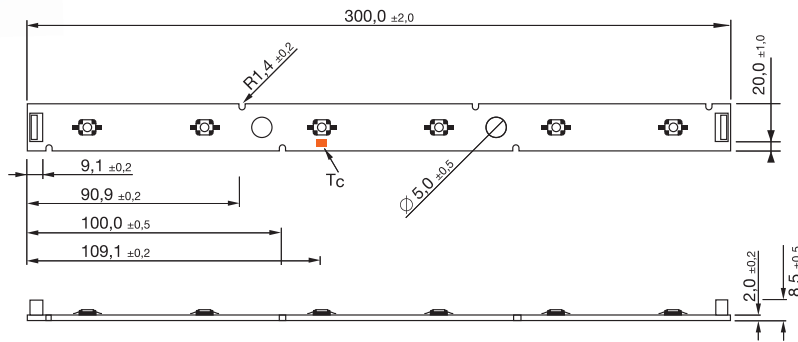
Optional accessories on pages 90 and 93



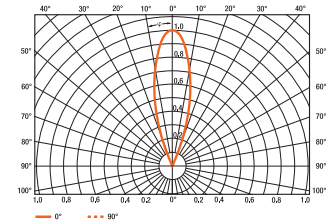
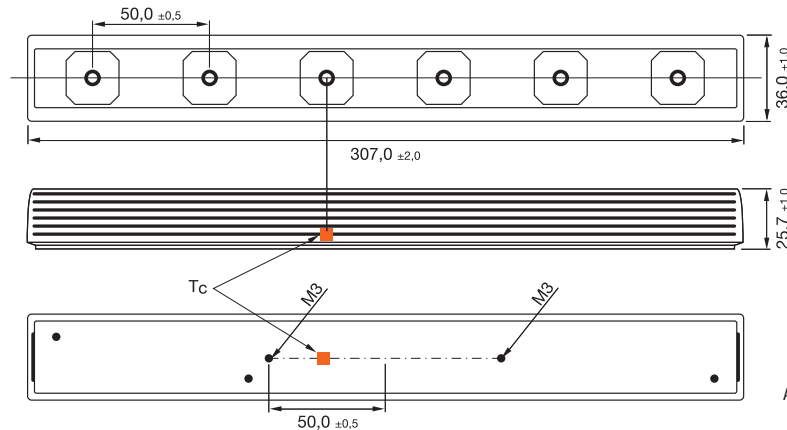
LINEARlight-DRAGON®



Individual board



Overall system



All figures in mm

| Product reference | Product number | COLOR | | V _{DC} ¹⁾ | W ¹⁾ | | K ¹⁾ | |
|-------------------|----------------|-------|--|-------------------------------|-----------------|--|-----------------|--|
|-------------------|----------------|-------|--|-------------------------------|-----------------|--|-----------------|--|

LINEARlight-DRAGON® – individual board

| | | | | | | | | |
|---------------|---------------|-------|---|----|----|-----|------|---|
| LD06B-W4F-830 | 4008321395757 | white | 6 | 24 | 12 | 170 | 3000 | 6 |
| LD06B-W4F-840 | 4008321395870 | white | 6 | 24 | 12 | 170 | 4000 | 6 |
| LD06B-W4F-854 | 4008321395993 | white | 6 | 24 | 12 | 170 | 5400 | 6 |

LINEARlight-DRAGON® – overall system

| | | | | | | | | |
|-------------------|---------------|-------|---|----|----|----|------|---|
| LD06B-W4F-830-L30 | 4008321394491 | white | 6 | 24 | 12 | 30 | 3000 | 6 |
| LD06B-W4F-840-L30 | 4008321394613 | white | 6 | 24 | 12 | 30 | 4000 | 6 |
| LD06B-W4F-854-L30 | 4008321395290 | white | 6 | 24 | 12 | 30 | 5400 | 6 |

Modules are perfectly matched to 24V OSRAM OPTOTRONIC® electronic control gear.
For current photometric data and important safety, installation and application information, see www.osram.com/led-systems-downloads.

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.

Focusing attention: DRAGONeye®.

If something is worth highlighting, then attention should be drawn to it and to nothing else. With DRAGONeye®, this is precisely what happens. The compact mini spotlight with a high-flux Golden DRAGON® LED can be easily integrated into luminaires or used in shop windows, shop interiors and museums to add a little sparkle.



Special features:

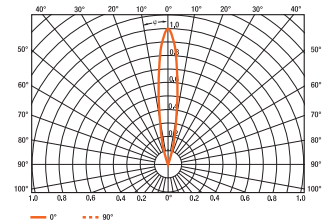
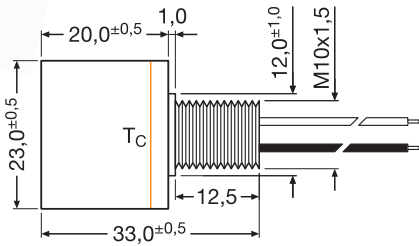
- Narrow beam angle for use as a spotlight source
- Metal housing for optimum heat removal
- Simple installation thanks to integrated M10x1.5 thread
- Type of protection IP65 according to DIN EN 60529
- The modules can only be connected in series
- Dimmable by pulse width modulation (PWM)
- Integrated cable (500 mm)

Applications:




- As a small luminaire head in single-LED luminaires
- For accent, orientation or route lighting



DRAGONeye®



All figures in mm

| Product reference | Product number | COLOR |  | [mA] ¹⁾ | W ¹⁾ |  ¹⁾ | K ¹⁾ |  |
|-------------------|-----------------------|-------|---|--------------------|-----------------|---|-----------------|---|
| DRAGONeye® | | | | | | | | |
| DE1-W3F-830 | 4008321 365361 | white | 1 | 350 | 1.2 | 15 | 3000 | 6x44 |
| DE1-W4F-854 | 4008321 364999 | white | 1 | 350 | 1.2 | 15 | 5400 | 6x44 |

Modules are perfectly matched to 350 mA OSRAM OPTOTRONIC® electronic control gear.
Cable length: 500 mm.

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



DRAGONeye® – ideal for object lighting, for example in museums.



DRAGONeye® as a spotlight in shop interiors.

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.

Making a point: DRAGONpuck®.

One of the outstanding properties of light is that applications can be stylishly highlighted with simple means. Particularly bright, concentrated light sources are therefore ideal for increasing the powers of attraction. DRAGONpuck®, however, can do much more than this. Three bright high-flux Golden DRAGON® LEDs are used for safe orientation in the dark or for relaxed reading.

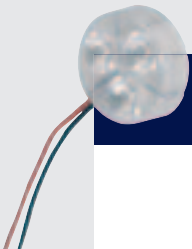


Special features:

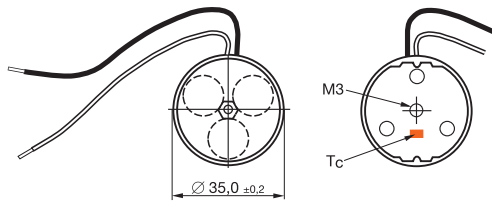
- Very low profile, same diameter as QR CBC lamps
- Narrow beam angle for use as a spotlight source
- M3 screw fixing
- Two-core connecting cable with open cable ends
- Light source with long life
- Dimmable by pulse width modulation (PWM)

Applications:

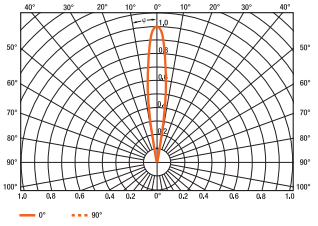
- Reading light
- Accent lighting
- Light source for furniture luminaires
- For orientation lights
- Spotlight source






DRAGONpuck®



All figures in mm



| Product reference | Product number | COLOR |  | I [mA] ¹⁾ | W ¹⁾ |  ¹⁾ | K ¹⁾ |  |
|--------------------|----------------|-------|---|----------------------|-----------------|---|-----------------|---|
| DRAGONpuck® | | | | | | | | |
| DP3-W3F-827 | 4008321940377 | white | 3 | 350 | 3.6 | 16 | 2700 | 16 |
| DP3-W4F-854 | 4008321940551 | white | 3 | 350 | 3.6 | 16 | 5400 | 16 |

Modules are perfectly matched to 350 mA OSRAM OPTOTRONIC® electronic control gear.
 Cable length: 200 mm.
 For current photometric data and important safety, installation and application information, see www.osram.com/led-systems-downloads.



Light pole on the access road to the HSH Nordbank Arena in Hamburg. DRAGONpuck® is used in the top part of the pole to guide the way (source: SITECO).

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.

Lighting design unlimited: DRAGONtape®.

Lighting design is now so wide-ranging that almost any vision can be converted into an efficient concept. With six high-flux Golden DRAGON® LEDs on flexible, splittable boards, DRAGONtape® offers ideal conditions for creating innovative lighting designs in a wide variety of forms.



Special features:

- Self-adhesive backing for simple installation
- Can be divided into units of one to six LEDs
- Optics which reduce the beam angle from 120° to 10°, 30° or 14 x 22° can be used as accessories
- Optics are positioned over the LED and screwed in place
- Contact is made by soldering two wires on the selected unit
- Dimmable by pulse width modulation (PWM)

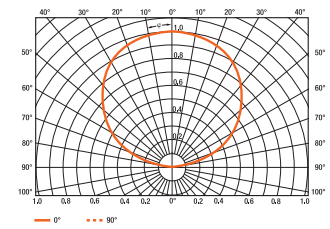
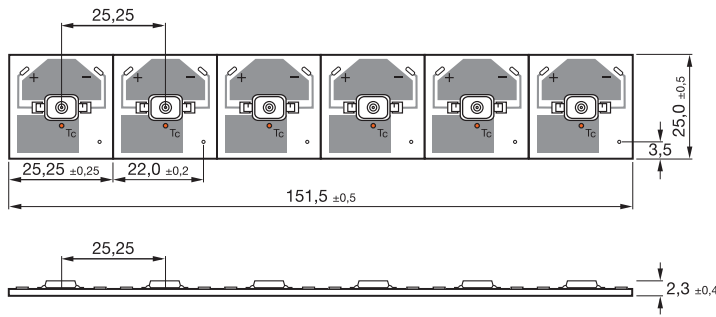
Applications:

- 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



Optional accessories on page 94



DRAGONtape®



All figures in mm

| Product reference | Product number | COLOR |  | $I_{[mA]}$ ¹⁾ | W ¹⁾ | \angle ¹⁾ | K ¹⁾ |  |
|--------------------|-----------------------|-------|---|--------------------------|-------------------|------------------------|-------------------|---|
| DRAGONtape® | | | | | | | | |
| DT6-W3F-827 | 4008321 368461 | white | 6 | 350 | 7.2 | 120 | 2700 | 25 |
| DT6-W4F-854 | 4008321 365224 | white | 6 | 350 | 7.2 | 120 | 5400 | 25 |

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

Dimensions (LxWxH): 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-downloads.



More than 16,000 Golden DRAGON® high-flux LEDs on 2,700 specially designed DRAGONtape® modules bathe the corridors in the "Turning Torso" tower in a pleasant, uniform light.

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