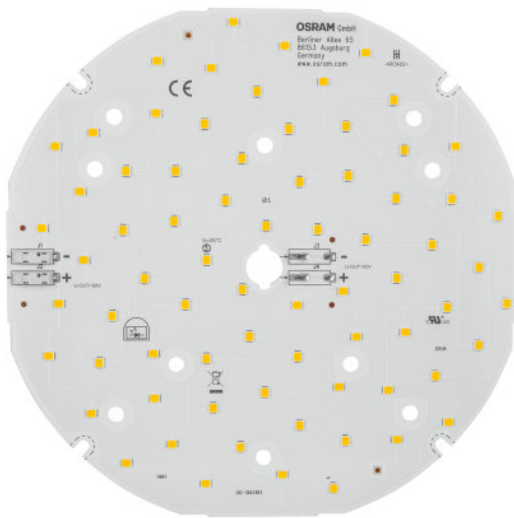


## PL-DISC-G1 2500-830

PrevaLED Disc | Spot-, Down- and Wallmount Light Engines and Modules



### Areas of application

- Hospitality, hotels, restaurants
- Public and commercial buildings
- Offices
- Secondary rooms, garages, storerooms, cellars

### Product family benefits

- Enables high-quality downlight designs with low glare
- Easy and quick design-in
- 5 years system guarantee

### Product family features

- Consistent white light: < 3 SDCM
- Available with color temperature: 3,000 K, 4,000 K
- LED module is basic isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1
- Max. ambient temperature: +40°C/104°F
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)



## Product datasheet

### Technical data

#### Electrical data

|                         |         |
|-------------------------|---------|
| Nominal wattage         | 16.10 W |
| Rated wattage           | 16.10 W |
| Nominal current         | 0.492 A |
| Nominal voltage         | 32.7 V  |
| Type of current         | DC      |
| Maximum forward current | 720 mA  |
| Maximum voltage         | 33,80 V |

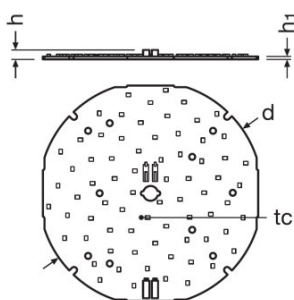
#### Photometrical data

|                                      |            |
|--------------------------------------|------------|
| Total useful luminous flux           | 2500 lm    |
| Luminous efficacy                    | 155 lm/W   |
| Standard deviation of color matching | ≤3 sdcn    |
| Color temperature                    | 3000 K     |
| Color rendering index Ra             | 80         |
| Light color (designation)            | Warm White |

#### Light technical data

|                     |        |
|---------------------|--------|
| Starting time       | 0.0 s  |
| Warm-up time (60 %) | 0.00 s |

#### Dimensions & weight



|                     |          |
|---------------------|----------|
| Rated width         | 164.5 mm |
| Construction length | 164.5 mm |
| Rated height        | 5.20 mm  |
| Product weight      | 77.00 g  |
| Diameter            | 165.0 mm |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Performance temp. acc. to IEC 62717  | 65 °C        |
| Maximum temperature at tc test point | 85 °C        |
| Ambient temperature range            | -20...+50 °C |
| Temperature range at storage         | -35...85 °C  |

### Lifespan

|   |         |
|---|---------|
| Lumen main.fact.at end of nom.life time | 0.80    |
| Lifespan                                | 50000 h |
| Nominal lamp life time                  | 50000 h |
| Rated lamp life time                    | 50000 h |
| Number of switching cycles              | 100000  |

### Additional product data

|                      |  |
|----------------------|--|
| Maximum thermal load | not applicable W   |
| Product remark       | Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see <a href="http://www.osram.com/led-systems">www.osram.com/led-systems</a> )/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/Tolerance for optical and electrical data: +/-10% |

### Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

### Certificates & standards

|                         |              |
|-------------------------|--------------|
| Energy consumption      | 17 kWh/1000h |
| Energy efficiency class | A++          |
| Standards               | CE/ENEC      |

### Logistical data






|                |              |
|----------------|--------------|
| Commodity code | 854140100000 |
|----------------|--------------|

### Download Data

|      |
|------|
| File |
|------|

## Product datasheet

---

|   |   |
|---|---|
|  | Brochures<br>Light is versatile - LED modules for downlights (DE)       |
|  | Certificates<br>PL ENEC 40031612 250920                                 |
|  | Declarations of conformity<br>CED PL-DISC-G1 9C1-3699778--EN-00 2018-08 |
|  | CAD data 3-dim<br>PL DISC G1 2500 CAD3PDF 040719                        |
|  | CAD data PDF<br>PL DISC G1 2500 CADPDF 170719                           |

---

## Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899600706 | PL-DISC-G1 2500-830 | Shipping carton box<br>40    | 261 mm x 181 mm x 192 mm             | 9.07 dm <sup>3</sup> | 3251.00 g    |

---

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.