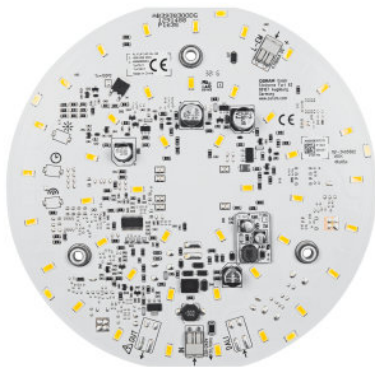


## PrevaLED Flat AC SL

Spot-, Down- and Wallmount Light Engines and Modules



### Areas of application

- Corridors
- Stairways
- Landings
- Hallways

### Product family benefits

- Touch protection accessory for simple use in luminaires
- High reliability
- Easy to use
- Optimised design for simple thermal management
- Enables thin and efficient luminaire designs
- High quality of light thanks to low modulation
- 5 year guarantee



## Product family datasheet

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### Product family features

- Slave controlled by master for dimming to 10 % and auto off at daylight
- Separate LED circuit for operation on local emergency lighting driver
- Designed for wall and ceiling luminaires with diffuse light distribution
- Low-cost LED replacement of CFL wall-, and ceiling luminaires
- Driver integrated on LED board
- Available diameter: 170 mm, 240 mm
- Available with color temperature: 3,000 K or 4,000 K
- Available with luminous flux: 1,500 lm, 2,500 lm
- LED module is reinforced isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1

Technical data

Electrical data

| Product description       | Nominal voltage              | Input voltage range           | Type of current | Max. ECG no. on circuit breaker 10 A (B) | Inrush current       |
|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------------------|----------------------|
| PL-FLAT-AC SL-G3 1500-830 | 230 V                        | 220...240 V                   | AC              | 147                                      | 1,72 A <sup>1)</sup> |
| PL-FLAT-AC SL-G3 1500-840 | 230 V                        | 220...240 V                   | AC              | 153                                      | 1,72 A <sup>1)</sup> |
| Product description       | Displacement factor (cos φ1) | Output SVM                    | Output PSTLM    | Mains frequency                          |                      |
| PL-FLAT-AC SL-G3 1500-830 | 0.97                         | ≤0.9                          | ≤1              | 0/50/60 Hz                               |                      |
| PL-FLAT-AC SL-G3 1500-840 | 0.98                         | ≤0.9                          | ≤1              | 0/50/60 Hz                               |                      |
| Product description       | Input voltage AC             | Energy consumption in on-mode | On-mode power   | Max. ECG no. on circuit breaker 16 A (B) |                      |
| PL-FLAT-AC SL-G3 1500-830 | 220...240 V                  | 12.0 kWh/1000h                | 12.00 W         | 235                                      |                      |
| PL-FLAT-AC SL-G3 1500-840 | 220...240 V                  | 11.5 kWh/1000h                | 11.50 W         | 245                                      |                      |

<sup>1)</sup> At 10 µs

Photometrical data

| Product description       | Luminous efficacy                        | Correlated color temperature CCT | Color rendering index Ra | Colour consistency (McAdam ellipses) |
|---------------------------|------------------------------------------|----------------------------------|--------------------------|--------------------------------------|
| PL-FLAT-AC SL-G3 1500-830 | 120 lm/W                                 | 3000 K                           | 80                       | 3                                    |
| PL-FLAT-AC SL-G3 1500-840 | 126 lm/W                                 | 4000 K                           | 80                       | 3                                    |
| Product description       | Useful luminous flux (Φ <sub>use</sub> ) |                                  |                          |                                      |
| PL-FLAT-AC SL-G3 1500-830 | 1430 lm                                  |                                  |                          |                                      |
| PL-FLAT-AC SL-G3 1500-840 | 1450 lm                                  |                                  |                          |                                      |

Light technical data

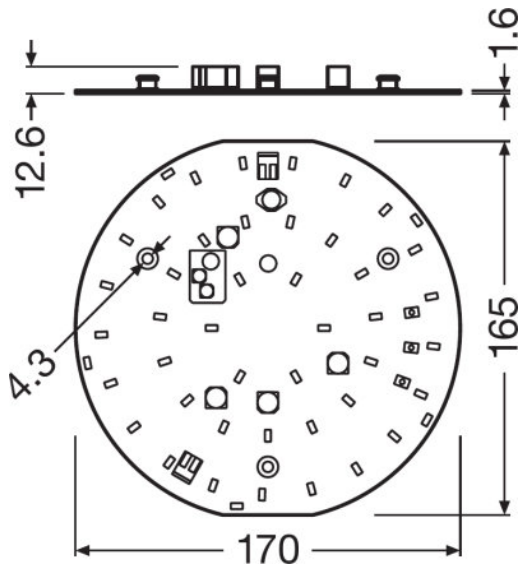
| Product description       | Starting time | Warm-up time (60 %) | Beam angle |
|---------------------------|---------------|---------------------|------------|
| PL-FLAT-AC SL-G3 1500-830 | < 0.5 s       | < 2.00 s            | 0 °        |
| PL-FLAT-AC SL-G3 1500-840 | < 0.5 s       | < 2.00 s            | 0 °        |

Dimensions & weight

| Product description       | Diameter | Product weight | Width    | Length   |
|---------------------------|----------|----------------|----------|----------|
| PL-FLAT-AC SL-G3 1500-830 | 170.0 mm | 90.00 g        | 165.0 mm | 170.0 mm |
| PL-FLAT-AC SL-G3 1500-840 | 170.0 mm | 90.00 g        | 165.0 mm | 170.0 mm |

| Product description       | Height  |
|---------------------------|---------|
| PL-FLAT-AC SL-G3 1500-830 | 14.6 mm |
| PL-FLAT-AC SL-G3 1500-840 | 14.6 mm |

Product line drawing



PL-FLAT-AC SL-G3 1500-830, PL-FLAT-AC SL-G3 1500-840

Temperatures & operating conditions

| Product description       | Performance temp. acc. to IEC 62717 | Maximum temperature at tc test point | Ambient temperature range | Temperature range at storage |
|---------------------------|-------------------------------------|--------------------------------------|---------------------------|------------------------------|
| PL-FLAT-AC SL-G3 1500-830 | 75 °C                               | 90 °C                                | -20...+50 °C              | -20...85 °C                  |
| PL-FLAT-AC SL-G3 1500-840 | 75 °C                               | 90 °C                                | -20...+50 °C              | -20...85 °C                  |

Product family datasheet

Lifespan

| Product description       | Nominal lamp life time       | Number of switching cycles | L70B50 lifetime |
|---------------------------|------------------------------|----------------------------|-----------------|
| PL-FLAT-AC SL-G3 1500-830 | 50000 h                      | 100000                     | 50000 h         |
| PL-FLAT-AC SL-G3 1500-840 | 50000 h                      | 100000                     | 50000 h         |
| Product description       | Lumen maintenance factor LMF |                            |                 |
| PL-FLAT-AC SL-G3 1500-830 | 96                           |                            |                 |
| PL-FLAT-AC SL-G3 1500-840 | 96                           |                            |                 |

Additional product data

| Product description       | Predecessor EAN | Lighting technology used |
|---------------------------|-----------------|--------------------------|
| PL-FLAT-AC SL-G3 1500-830 | 4052899969810   | LED                      |
| PL-FLAT-AC SL-G3 1500-840 | 4052899969827   | LED                      |

Capabilities

| Product description       | Dimmable |
|---------------------------|----------|
| PL-FLAT-AC SL-G3 1500-830 | No       |
| PL-FLAT-AC SL-G3 1500-840 | No       |

Certificates & standards

| Product description       | Standards        | Energy efficiency class |
|---------------------------|------------------|-------------------------|
| PL-FLAT-AC SL-G3 1500-830 | CE/ENEC/UKCA/VDE | E                       |
| PL-FLAT-AC SL-G3 1500-840 | CE/ENEC/UKCA/VDE | E                       |

Logistical data

| Product description       | Commodity code |
|---------------------------|----------------|
| PL-FLAT-AC SL-G3 1500-830 | 85395100000    |
| PL-FLAT-AC SL-G3 1500-840 | 85395100000    |

Environmental information  
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

| Product description       | Date of Declaration | Primary Article Identifier | Candidate List Substance 1 |
|---------------------------|---------------------|----------------------------|----------------------------|
| PL-FLAT-AC SL-G3 1500-830 | 21-07-2023          | 4062172209342              | Lead                       |
| PL-FLAT-AC SL-G3 1500-840 | 21-07-2023          | 4062172209366              | Lead                       |

## Product family datasheet

| Product description       | CAS No. of substance 1 | Safe Use Instruction                                                                               | Declaration No. in SCIP database     |
|---------------------------|------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|
| PL-FLAT-AC SL-G3 1500-830 | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | fa3ee026-40a1-4ee9-9d58-3676f69f286d |
| PL-FLAT-AC SL-G3 1500-840 | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | aee96c1c-6c6b-453f-88ef-a2583a93b1b5 |

### Application advice

For more detailed application information and graphics please see product datasheet.

### Additional product information

- Installation by qualified electrician only.
- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- Complies with IEC/EN 62031
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2/3
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 62717
- Complies with EN 300440-1/-2
- Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- Pay attention to polarity! Wrong polarity can cause destruction or malfunction of the module.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- The LED module itself and all its components must not be stressed mechanically.
- For optimal cooling a thermal interface material should be applied between LED module and heat sink.
- The module must not be attached to wood or other flammable materials.
- Protect against splashes!
- The module, as manufactured, has no inherent protection against corrosion. It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.
- The product implemented control components are not designed for removal.

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

| File                                                                                |                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------|
|  | User instruction<br>PrevaLED Flat AC MASL |

# Product family datasheet

|                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
|  | Certificates<br>PL FLAT AC G3 VDE ENEC 40040688 250723 |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|

## Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

## Logistical Data

| Product code  | Product description       | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172209342 | PL-FLAT-AC SL-G3 1500-830 | Shipping carton box 20       | 457 mm x 331 mm x 223 mm             | 33.73 dm <sup>3</sup> | 3360.00 g    |
| 4062172209366 | PL-FLAT-AC SL-G3 1500-840 | Shipping carton box 20       | 457 mm x 331 mm x 223 mm             | 33.73 dm <sup>3</sup> | 3360.00 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.

## Accessories Optional

| Product description       | Accessory name | Accessory code  |
|---------------------------|----------------|-----------------|
| PL-FLAT-AC SL-G3 1500-830 | PL-FLTP 170 G2 | ▶ 4052899969872 |
| PL-FLAT-AC SL-G3 1500-840 | PL-FLTP 170 G2 | ▶ 4052899969872 |

## References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit <https://www.inventronics-light.com/multilevel-guarantees>

## Disclaimer

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