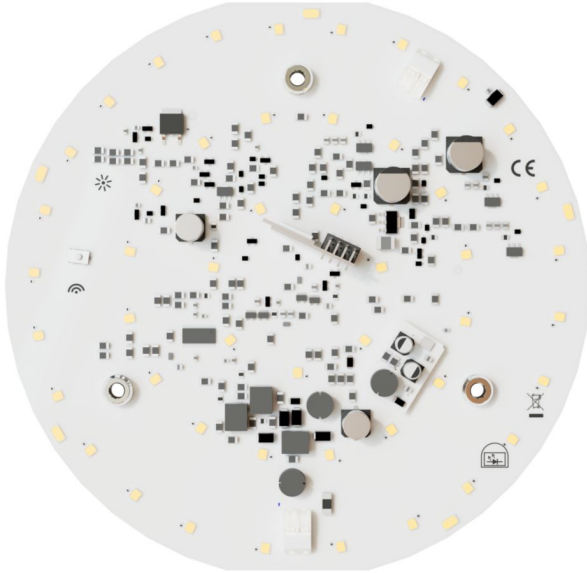


The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

## PL-FLAT-AC-CA-G3 2500-840 230 V

PrevaLED Flat AC CA | Spot-, Down- and Wallmount Light Engines and Modules



### Product family features

- Casambi wireless control
- Dimming range: 1...100 %
- 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
- Lifetime (L70/B50): 50,000 h
- LED module is reinforced isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1

### 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



Specifications are subject to changes without notice.

[www.inventronicsglobal.com](http://www.inventronicsglobal.com)

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

[support@inventronicsglobal.com](mailto:support@inventronicsglobal.com)

### Areas of application

- Corridors
- Stairways
- Landings
- Hallways

## Technical data

### Electrical data

Nominal voltage	230.00 V
Nominal current	0.09 A
Type of current	AC
On-mode power	20 W
Energy consumption in on-mode	20 kWh/1000h
Output PSTLM	≤1
Output SVM	≤0.9
Mains frequency	0/50/60 Hz
Input voltage DC	176...276 V
Inrush current	2 A <sup>1)</sup>
Max. ECG no. on circuit breaker 10 A (B)	100
Max. ECG no. on circuit breaker 16 A (B)	140
Total harmonic distortion	< 15 %
Power factor λ	> 0.98

1)  $t_{\text{width}} = 10 \mu\text{s}$  (measured at 50 %  $I_{\text{peak}}$ )

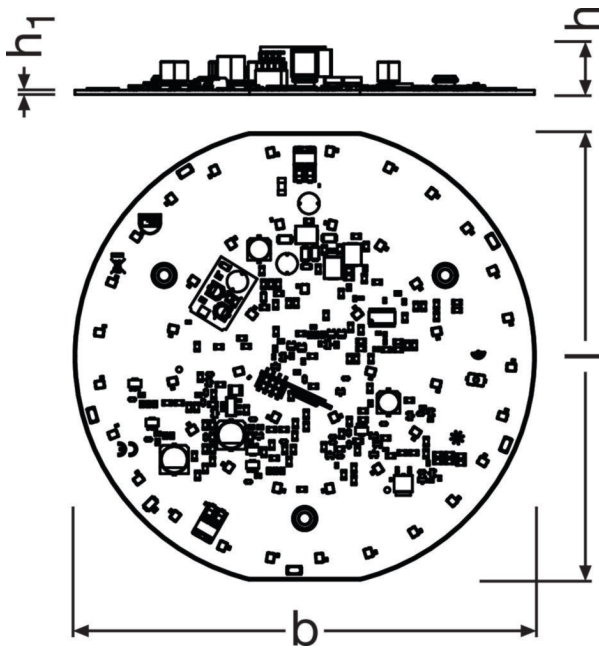
### Photometrical data

Luminous efficacy	123 lm/W
Color Rendering Index	80
Correlated color temperature CCT	4000 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux ( $\Phi_{\text{use}}$ )	2450 lm

### Light technical data

Starting time	0 s
Warm-up time (60 %)	0 s

## Dimensions & weight



Product weight	168.00 g
Height EPREL	18 mm
Length EPREL	240 mm
Width EPREL	235 mm

## Temperatures & operating conditions

Performance temp. acc. to IEC 62717	45 °C
Maximum temperature at tc test point	85 °C
Temperature range at storage	-20...85 °C
Ambient temperature range	-20...+50 °C

### Lifespan

Number of switching cycles	100000
Lumen maintenance factor LMF	96
L70B50 lifetime	50000 h

### Additional product data

Lighting technology used	LED
--------------------------	-----

### Capabilities

Dimming interface	Bluetooth CASAMBI
Dimming range	1...100 %

## Programming

Tuner4TRONIC	No
Tuner4TRONIC Field App	No

## Certificates & standards

Standards	CE / ENEC / EL
Type of protection	IP20
Energy efficiency class	E

## Logistical data

Commodity code	85395100000
----------------	-------------

## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	28-03-2025
Primary Article Identifier	4062172342599   6937186104212
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

### 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.

### Download Data

File		
CAD data 3-dim	Compressed	▶ PL FLAT AC CA G3 2500 CAD3PDF 251023
CAD data	Compressed	▶ PL FLAT AC CA G3 2500 IGS 251023
CAD data	Compressed	▶ PL FLAT AC CA G3 2500 STEP 251023
CAD data PDF	Compressed	▶ PL FLAT AC CA G3 2500 CAD2PDF 251023
User instruction	PDF	▶ PrevaLED Flat AC CA



## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172342599	PL-FLAT-AC-CA-G3 2500-840 230 V	Shipping carton box 20 Pieces	597 x 331 x 296 mm	58.49 dm <sup>3</sup>	265.25 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.