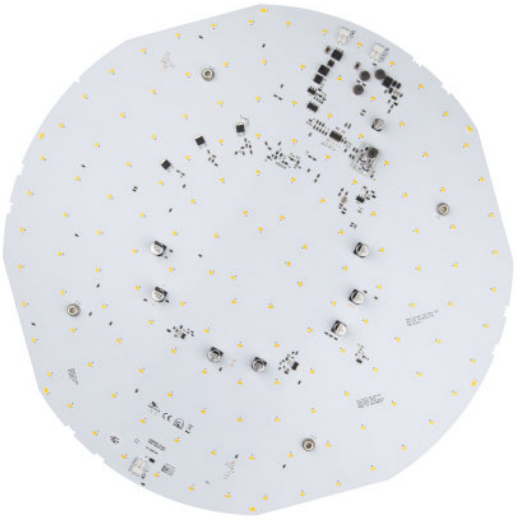
Product datasheet

PL-FLAT-AC-DA-G3 5000-830

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



Product family features

- Dimming range (DALI): 1...100 %
- Dimensions of DALI version identical to on/off version
- 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, 335 mm, 415 mm
- Available with color temperature: 3,000 K or 4,000 K
- Available with luminous flux: 1,500 lm, 2,500 lm, 4,000 lm, 5,000 lm
- Lifetime (L70/B50): 50,000 h (temperature at T_c = 80 °C)
- 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





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Areas of application

- Corridors
- Stairways
- Landings
- Hallways
- Emergency lighting for single battery systems
- Luminaires for emergency lighting with central battery according to IEC 60598-2-22

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Technical data

Electrical data

Nominal voltage	230 V
Input voltage range	220…240 V
Type of current	AC
Input voltage DC	176…276 V
Inrush current	1,7 A [1)]
Max. ECG no. on circuit breaker 10 A (B)	42
Max. ECG no. on circuit breaker 16 A (B)	68
Input voltage AC	220…240 V
Mains frequency	0/50/60 Hz
Output PSTLM	≤1
Output SVM	≤0.9
On-mode power	42.00 W
Energy consumption in on-mode	42.0 kWh/1000h
Networked standby power	0.50 W
Displacement factor (cos ϕ1)	0.90

1) At 10 µs

Photometrical data

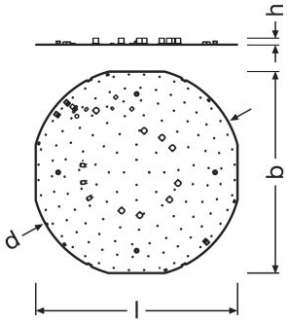
Luminous efficacy	127 lm/W
Color rendering index Ra	80
Light color (designation)	Warm White
Correlated color temperature CCT	3000 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φuse)	5000 lm

Light technical data

Starting time	0.5 s
Warm-up time (60 %)	0.20 s

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Dimensions & weight



Diameter	415.0 mm
Product weight	415.00 g
Height	14.6 mm
Length	415.0 mm
Width	415.0 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	75 °C
Maximum temperature at tc test point	95 °C
Ambient temperature range	-20…+50 °C
Temperature range at storage	-20…85 °C

Lifespan

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

Additional product data

Product remark	For current photometric data and important safety, installation and application information (see www.osram.com/led-systems)./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%
Lighting technology used	LED

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Capabilities

Dimming range	1...100 %
Dimming interface	DALI

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	No
Programming device	DALI

Certificates & standards

Standards	CE
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	21-07-2023
Primary Article Identifier	4052899605664 | 4062172344579
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	96cd6529-0bb4-4fa4-b328-5a9fe8d51eb0 | be4356a9-af7a-4f07-ab9d-d201d55391cd

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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
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 62717
- 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.
- 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.
- For efficiency measurement, the product shall be set to a DALI dimming level of 100% by using Tuner4TRONIC. Refer to www.tuner4tronic.com.
- The product implemented control components are not designed for removal.

Download Data

	File
	User instruction PrevaLED Flat AC DA
	Certificates PL FLAT AC G3 VDE ENEC 40040688 250723
	Declarations of conformity PL FLAT AC DA G3 5000 EAT 050221
	Declarations of conformity PL FLAT AC DA G3 5000 INO 050221
	CAD data PL FLAT AC DA 5000 G3 IGS 020720
	CAD data PL FLAT AC DA 5000 G3 STEP 020720
	CAD Data 2-dim PL FLAT AC DA 5000 G3 CAD2PDF 020720
	CAD data 3-dim PL FLAT AC DA 5000 G3 CAD3PDF 020720

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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
4062172344579	PL-FLAT-AC-DA-G3 5000-830	Shipping carton box 20	505 mm x 452 mm x 458 mm	104.54 dm^3	9750.00 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-DA-G3 5000-830	PL-FLTP 415 G2	4052899968479

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.

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