PL-CORE-G7 1000-930 L10 H1

PrevaLED Core G7 L10 H1 | Spot-, Down- and Wallmount Light Engines and Modules

Areas of application

- Spotlighting in shops and retail
- Down- and wall lighting in offices, corridors, meeting rooms, workplaces
- Decorative and functional lighting in hospitality, hotels, restaurants
- Functional lighting in public and commercial buildings

Product family benefits

- Easy integration thanks to very compact form factor
- Easy cooling due to optimized efficiency and high maximum operation temperature
- High driver flexibility allows cost-effective and intelligent systems
- 5 year guarantee

Product family features

- Complete portfolio with varying luminous flux, color temperature, color rendering
- Available with color temperature: 2,700 K, 3,000 K, 3,500 K or 4,000 K
- High module efficacy: up to 156 lm/W at T_p = 65 °C
- Lifetime (L80/B10): 60,000 h (temperature at T_p = 65 °C)
- LED module is basic isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)

Technical data

Electrical data

Nominal wattage	8.30 W
Rated wattage	8.30 W
Nominal voltage	35.8 V
Nominal current	0.233 A
Type of current	DC

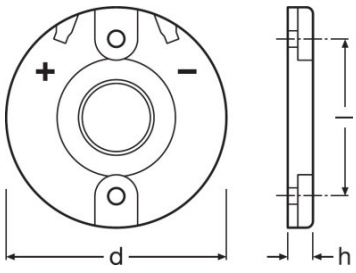
Photometrical data

Total useful luminous flux	1000 lm
Luminous efficacy	120 lm/W
Standard deviation of color matching	≤3 sdcm
Color temperature	3000 K
Color rendering index Ra	≥90
Light color (designation)	Warm White

Light technical data

Rated beam angle (half peak value)	115.00 °
Starting time	0.0 s
Warm-up time (60 %)	0.00 s
Beam angle	120 °

Dimensions & weight



Rated height	3.50 mm [1)]
Product weight	3.00 g
Diameter	35.0 mm

[1)] general tolerances ISO 2768-c

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	65 °C
Maximum temperature at tc test point	100 °C
Ambient temperature range	-20…+50 °C
Temperature range at storage	-20…60 °C

Lifespan

Lumen main.fact.at end of nom.life time	0.80
Lifespan	60000 h
Rated lamp life time	60000 h
Number of switching cycles	100000

Additional product data

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 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%

Capabilities

Dimmable	Yes

Certificates & standards

Energy consumption	9 kWh/1000h
Energy efficiency class	A+
Standards	CE/ENEC

Logistical data

Commodity code	854140100000

Guarantee

Download Data

	File
	Addon Technical Information PrevaLED Core G7 Overview
	Certificates ENEC Certificate PL CORE G7
	Declarations of conformity Declaration of Conformity PL-CORE-G7

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899534049	PL-CORE-G7 1000-930 L10 H1	Shipping carton box 100	270 mm x 221 mm x 77 mm	4.59 dm^3	710.00 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.

References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

- www.osram.com/system-guarantee

Disclaimer

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