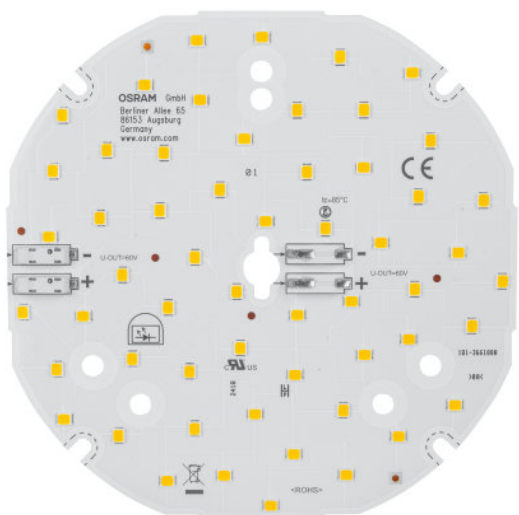


PL-DISC-G1 1600-840

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: <math>< 3</math> 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	9.40 W
Rated wattage	9.40 W
Nominal current	0.25 A
Nominal voltage	37.5 V
Type of current	DC
Maximum forward current	480 mA
Maximum voltage	39,44 V

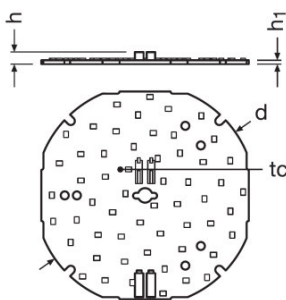
Photometrical data

Total useful luminous flux	1600 lm
Luminous efficacy	170 lm/W
Standard deviation of color matching	≤3 sdcn
Color temperature	4000 K
Color rendering index Ra	80
Light color (designation)	Neutral White

Light technical data

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

Dimensions & weight



Rated width	120.0 mm
Construction length	120.0 mm
Rated height	5.20 mm
Product weight	41.00 g
Diameter	120.0 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 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
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Certificates & standards

Energy consumption	10 kWh/1000h
Energy efficiency class	A++
Standards	CE/ENEC





Logistical data

Commodity code	854140100000
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Download Data

File

Product datasheet

	Certificates PL BA ENEC 40031612 161219
	Declarations of conformity CED PL-DISC-G1 9C1-3699778--EN-00 2018-08
	CAD data 3-dim DISC 1600 G1 CAD3PDF 040719
	CAD data PDF DISC 1600 G1 CADPDF 040719

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899600720	PL-DISC-G1 1600-840	Shipping carton box 40	261 mm x 141 mm x 152 mm	5.59 dm ³	1771.00 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.