

PL-CN111-COB- 1800-927-40D-G1

PrevaLED COIN 111 COB G1 | LED modules with integrated optics and heat sink



Areas of application

- Retail outlets
- Shop lighting
- Restaurants
- Hospitality
- Museums, galleries

Product family benefits

- Compact design
- Compatible with conventional AR111 lamps
- High color temperature consistency throughout the whole module
- Multi-Shadow-free illumination thanks to single light source
- 5 year guarantee

Product family features

- Consistent white light: < 3 SDCM
- Color rendering index Ra: >80 and >90
- Luminous flux: 1,800...4,800 lm (model dependent)
- Beam angle: 15° (on demand), 24°, 40°, 60°
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)



Product datasheet

Technical data

Electrical data

Nominal wattage	18.00 W
Rated wattage	18.00 W
Nominal current	0.5 A
Nominal voltage	36.0 V
Type of current	DC
Claimed equiv. conventional lamp power	100 W

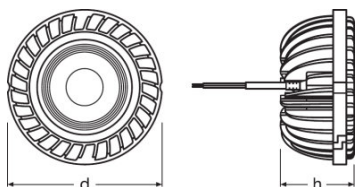
Photometrical data

Total useful luminous flux	1700 lm
Luminous efficacy	95 lm/W
Light color (designation)	Warm White
Standard deviation of color matching	≤3 sdc _m
Luminous intensity	3900 cd
Nominal useful luminous flux 90°	1613 lm
Rated useful luminous flux 90°	1613 lm
Color temperature	2700 K
Color rendering index Ra	90
Rated peak intensity	3900 cd

Light technical data

Rated beam angle (half peak value)	40.00 °
Starting time	0.0 s
Warm-up time (60 %)	0.00 s
Beam angle	40 °

Dimensions & weight



Product datasheet

Diameter	111.0 mm
Rated height	52.00 mm
Product weight	425.00 g

Colors & materials

Heatsink color	Silver
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Temperatures & operating conditions

Performance temp. acc. to IEC 62717	55 °C
Maximum temperature at tc test point	80 °C
Ambient temperature range	-25...+40 °C
Temperature range at storage	-40...80 °C

Lifespan

Lumen main.fact.at end of nom.life time	0.70
Lifespan	50000 h
Nominal lamp life time	50000 h
Rated lamp life time	50000 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%
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Capabilities

Dimmable	Yes
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Certificates & standards

Energy consumption	20 kWh/1000h
Energy efficiency class	A+
Standards	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547

Product datasheet







Logistical data

Commodity code	854370909900
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Guarantee

Download Data

File	
	Brochures Light is easy to optimize - PrevaLED COIN 50 and 111 COB G1 (EN)
	Certificates PL ENEC 40031612 250920
	Declarations of conformity Declarations of conformity
	CAD data PL COIN 111 COB G1 STEP 170719
	IES data PL-CN111-COB-1800-930-15D-G1
	IES data PL-CN111-COB-1800-930-40D-G1

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899583702	PL-CN111-COB- 1800-927-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 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

Product datasheet

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.