

PRODUCT DATASHEET

PL-CN111-COB- 2800-840-15D-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
- Suitable for indoor applications

Product 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 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)



TECHNICAL DATA

Electrical data

Nominal wattage	25.9 W
Construction wattage	25.90 W
Claimed equiv. conventional lamp power	100 W
Nominal voltage	37 V
Input voltage range	36...39 V
Type of current	DC
Nominal current	700.000 mA

Photometrical data

Total useful luminous flux [PICOS]	2830 lm
Luminous efficacy	109 lm/W
Luminous flux	2700 lm ¹⁾
Luminous intensity	27500 cd
Nom. useful luminous flux 120° [PICOS]	2774 lm
Color temperature	4000 K
Color rendering index Ra	≥80
Light color LED	White
Light color (designation)	Neutral White
Standard deviation of color matching	3 sdcm
Rated peak intensity	27500 cd

1) 90 °

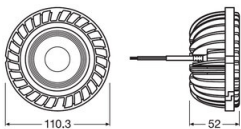
Light technical data

Beam angle	15 °
Rated beam angle (half peak value)	15.00 °
Starting time	0.0 s
Warm-up time (60 %)	0.00 s

LED MODULE INFORMATION

Number of LEDs per module	1
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Dimensions & Weight



Length	111.0 mm
Cable length	500.000
Width	111.00 mm
Height	52.00 mm
Diameter	111,0 mm
Product weight	425.00 g

Colors & materials

Product color	White
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Temperatures & operating conditions

Ambient temperature range	-25...+40 °C
Maximum temperature at tc test point	90 °C
Temperature range in operation	-25...90 °C
Performance temp. acc. to IEC 62717	65 °C

Lifespan

Nominal lamp life time	50000 h
Number of switching cycles	100000

Additional product data

Product remark	<p>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%</p>
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Capabilities

Dimmable	Yes
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Certificates & Standards

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
Type of protection	IP20
Energy consumption	28.49 kWh/1000h
Energy efficiency class	E
Energy class of contained light source	E


LOGISTICAL DATA



Temperature range at storage	-40...80 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
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DOWNLOAD DATA

Documents and certificates		Document name
	Certificates	PL ENEC 40031612 250920

Photometric and lighting design files		Document name
	IES file (IES)	PL-CN111-COB- 2800-840-15D-G1
	LDT file (Eulumdat)	PL-CN111-COB-2800-840-15D-G1 IESNA2002

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899541610	Folding box 1	131 mm x 118 mm x 59 mm	463.00 g	0.91 dm ³
4052899541627	Shipping box 12	280 mm x 254 mm x 209 mm	5922.00 g	14.86 dm ³

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.