

PL-CN111-COB- 1800-940-15D-G1

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



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 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

Areas of application

- Retail outlets
- Shop lighting
- Restaurants
- Hospitality
- Museums, galleries
- Suitable for indoor applications



Product datasheet

Technical data

Electrical data

Nominal current	0.5 A
Nominal voltage	35.9 V
Type of current	DC
Claimed equiv. conventional lamp power	100 W
On-mode power	18 W
Energy consumption in on-mode	18 kWh/1000h

Photometrical data

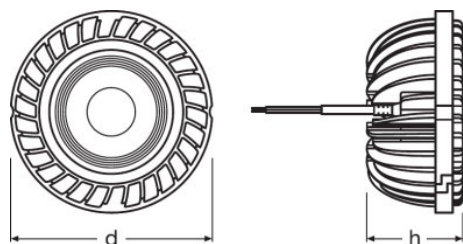
Luminous efficacy	108 lm/W
Light color (designation)	Neutral White
Color rendering index Ra	90
Correlated color temperature CCT	3900 K
Peak luminous intensity	19500
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φ_{use})	1800 lm ¹⁾

¹⁾ 90°

Light technical data

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

Dimensions & weight



Diameter	111.0 mm
Product weight	425.00 g
Height	52 mm
Length	111 mm

Product datasheet

Width	111 mm
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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

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

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%
Lighting technology used	LED

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 efficiency class	E

Logistical data

Commodity code	853951000000
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Environmental information

Product datasheet






Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Date of Declaration	23-12-2021
Primary Article Identifier	4052899541450
Candidate List Substance 1	No declarable substances contained
CAS No. of substance 1	No CAS
Declaration No. in SCIP database	No declarable substances contained



664174_5 Year OSRAM
Guarantee (LED)

Download Data

File	
	Certificates PL ENEC 40031612 250920
	Certificates CQC certificate
	Declarations of conformity EU Declaration of Conformity of PL-CN COB G1 family
	Eulumdat PL CN111 COB 1800 940 15D G1 LDT 300420
	IES data PL-CN111-COB-1800-940-15D-G1

Product datasheet

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
4052899541450	PL-CN111-COB- 1800-940-15D-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

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.