

PL-CN111-COB- 4300-940-24D-G2

PrevaLED COIN 111 COB G2 | LED modules with integrated optics and heat sink



Product family features

- Color consistency < 2 SDCM
- TM30 compliant
- High flux output up to 4900 lm
- Beam angle: 15°, 24°, 40°, 60°
- Type of protection: IP20

Product family benefits

- Compact form factor compatible with conventional AR111 lamps
- Precise optical control and free from multi-shadow issue
- Dual mode options in High-Output (HO) and High-Efficacy (HE)

Areas of application

- Retail, shop, restaurant, hospitality
- High-end residential
- Suitable for indoor applications
- Connecting multiple modules in parallel on one LED driver is not permitted
- Connecting multiple modules in series on one LED driver is not recommended
- Do not use in sealed fixtures
- Avoid covering the lens with dust or any object



Technical data

Electrical data

Nominal current	105 A
Nominal voltage	350 V
Type of current	DC
On-mode power	37.70 W
Energy consumption in on-mode	37.7 kWh/1000h ¹⁾

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Photometrical data

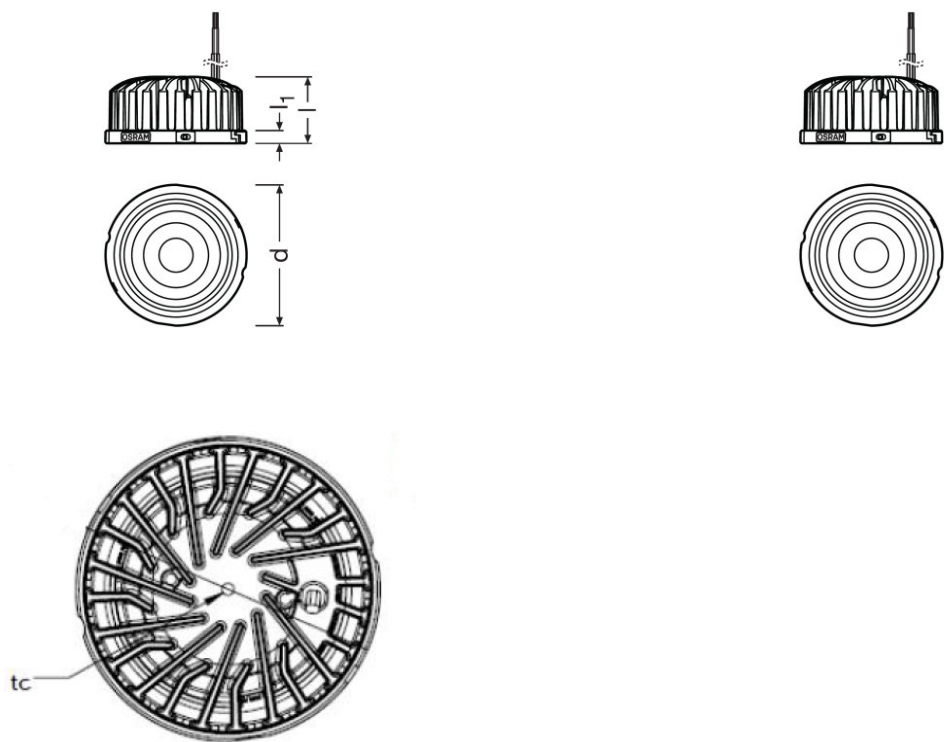
Luminous efficacy	114 lm/W
Light color (designation)	4000 K
Color rendering index Ra	90
Correlated color temperature CCT	3900 K
Peak luminous intensity	12507
Colour consistency (McAdam ellipses)	2
Useful luminous flux (Φuse)	3800 lm ¹⁾

1) 90°

Light technical data

Starting time	< 05 s
Warm-up time (60 %)	< 200 s
Beam angle	24 °

Dimensions & weight



Diameter	1100 mm ¹⁾
Product weight	38500 g
Height	52.0 mm
Length	110.0 mm
Width	110.0 mm

¹⁾ ±0.5 mm

Colors & materials

Heatsink color	Grey
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Temperatures & operating conditions

Performance temp. acc. to IEC 62717	80 °C
Maximum temperature at tc test point	100 °C
Ambient temperature range	-25...+40 °C
Temperature range at storage	-40...80 °C

Lifespan

Number of switching cycles	15000
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Product datasheet

Lumen maintenance factor LMF	96 ¹⁾
L70B50 lifetime	50000 h ¹⁾

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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

Capabilities

Dimmable	Yes
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Certificates & standards

Standards	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE
Energy efficiency class	E

Logistical data

Commodity code	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4052899621459
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Download Data

File

Product datasheet

	Certificates PL CN111 COB G2 ENEC 181121
	Declarations of conformity PL CN111 COB CE 4276330 160623
	CAD data PL CN111 COB G2 STEP 160321
	CAD data PL CN111 G2 STEP 041121
	IES data PL CN111 COB 4300 940 24D G2.1 IES 250321

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
4052899621459	PL-CN111-COB- 4300-940-24D-G2	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5443.00 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.

Accessories Optional

Product description	Accessory name	Accessory code
PL-CN111-COB- 4300-940-24D-G2	60D LENS FOR COIN 111 COB G2	▶ 4062172235150
PL-CN111-COB- 4300-940-24D-G2	40D LENS FOR COIN 111 COB G2	▶ 4062172235112
PL-CN111-COB- 4300-940-24D-G2	BLACK COVER FOR COIN 111 COB G2	▶ 4062172251822
PL-CN111-COB- 4300-940-24D-G2	PL-CN111 -ROUND-RING	▶ 4052899306820

Disclaimer

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