

PL-CN50-COB- 900-940-24D-G1

PrevaLED COIN 50 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 MR16 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: 980...1,500 lm (model dependent)
- Beam angle: 15° (on demand), 24°, 40°
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)



Product datasheet

Technical data

Electrical data

Nominal wattage	12.30 W
Rated wattage	12.30 W
Nominal current	0.35 A
Nominal voltage	35.2 V
Type of current	DC
Claimed equiv. conventional lamp power	50 W

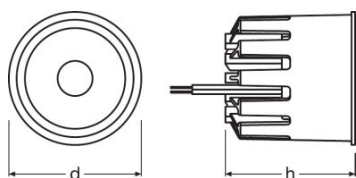
Photometrical data

Total useful luminous flux	1090 lm
Luminous efficacy	88 lm/W
Color temperature	4000 K
Light color (designation)	Neutral White
Standard deviation of color matching	≤ 3 sdcn
Luminous intensity	4587 cd
Nominal useful luminous flux 90°	963 lm
Rated useful luminous flux 90°	963 lm
Color rendering index Ra	≥ 90
Rated peak intensity	4590 cd

Light technical data

Rated beam angle (half peak value)	24.00 °
Starting time	0.0 s
Warm-up time (60 %)	0.00 s
Beam angle	24 °

Dimensions & weight



Product datasheet

Diameter	50.0 mm
Rated height	52.00 mm
Product weight	90.00 g

Colors & materials

Heatsink color	Silver
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Temperatures & operating conditions

Performance temp. acc. to IEC 62717	75 °C
Maximum temperature at tc test point	85 °C
Ambient temperature range	-20...+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	14 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

Type of protection	IP20
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Logistical data

Commodity code	854370909900
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Download Data

File
 Brochures Light is easy to optimize - PrevaLED COIN 50 and 111 COB G1 (EN)
 Certificates PL BA ENEC 40031612 161219
 Declarations of conformity Declarations of conformity
 CAD data PL COIN 50 COB G1 STEP 170719
 IES data PL-CN50-COB-900-940-24D-G1

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899541771	PL-CN50-COB- 900-940-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm ³	2156.00 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.