

PL-CN50-COB- 1400-930-24D-G2

PrevaLED COIN 50 COB G2 | LED modules with integrated optics and heat sink



Product family features

- Color consistency < 2 SDCM
- TM30 compliant
- High flux output up to 1500 lm
- Beam angle: 24°, 36°

Product family benefits

- Compatible with conventional MR16 lamps
- Precise optical control and free from multi-shadow issue
- Replaceable front cover to maximize optics flexibility and future extension
- Dual mode options in High-Output (HO) and High-Efficacy (HE)

Areas of application

- Retail, shop, restaurant, hospitality
- High-end residential



Technical data

Electrical data

Nominal wattage	12.80 W
Rated wattage	12.80 W
Nominal current	0.35 A
Nominal voltage	36.5 V
Type of current	DC
Mains or non-mains	- 1)
On-mode power P_{on}	-
Energy consumption in on-mode	- 1)
Networked standby power	- 1)
Claim of equivalent power	- 1)
Displacement factor ($\cos \phi_1$)	- 1)

1) _

Photometrical data

Total useful luminous flux	1239 lm
Luminous efficacy	97 lm/W
Light color (designation)	3000 K
Standard deviation of color matching	≤ 2 sdcn
Luminous intensity	4299 cd
Rated useful luminous flux 90°	1145 lm
Color temperature	3000 K
Color rendering index Ra	90
Φ_{use} value refers to luminous flux ..	- 1)
Correlated color temperature CCT	-
Peak luminous intensity	-
Colour consistency (McAdam ellipses)	-
Useful luminous flux	- 1)
Chromaticity coordinate x	- 1)
Chromaticity coordinate y	- 1)
R9 colour rendering index	-
Flicker metric (PstLM)	- 1)
Stroboscopic effect metric (SVM)	- 1)
Rated peak intensity	4299 cd

1) _

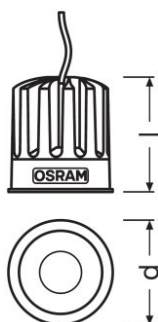
Light technical data

Product datasheet

Rated beam angle (half peak value)	24.00 °
Starting time	< 2.0 s
Warm-up time (60 %)	< 0.50 s
Beam angle	24 °
Non-directional or directional	Directional ¹⁾
High luminance light source	-

1) _

Dimensions & weight



Diameter	50.0 mm ¹⁾
Rated height	55.00 mm
Product weight	90.00 g

1) ±0.3 mm

Colors & materials

Heatsink color	Grey
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Temperatures & operating conditions

Performance temp. acc. to IEC 62717	70 °C
Maximum temperature at tc test point	90 °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 ¹⁾
Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Number of switching cycles	15000

Product datasheet

Survival factor	- 2)
Lumen maintenance factor LMF	- 2)
L70B50 lifetime	50000 at T _p h 2)

1) L80B50 at T_p

2) -

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	-
Envelope	-
Anti-glare shield	-
Replacement prod. for a fluorescent lamp	-
Containing product or light source	- 1)

1) -

Capabilities

Control interface	-
Detection angle (Light sensor)	-
Detection angle (PIR)	-
Connected light source	-
Colour-tuneable light source	-

Certificates & standards

Energy consumption	15 kWh/1000h
Energy efficiency class	A+
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
Type of protection	IP20

Logistical data

Commodity code	854370909900
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Product datasheet

EAN 10 of contained light source	1
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Download Data

File	
	Product Datasheet PL COIN 50 COB G2 DS 220221
	CAD data PL CN50 COB G2 STEP 160321
	IES data PL CN50 COB 1400 827 40D G2.1 IES 250321

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899621206	PL-CN50-COB- 1400-930-24D-G2	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.

Disclaimer

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