OSRAM

PRODUCT DATASHEET
PL-CN50-COB- 900-927-40D-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
– Suitable for indoor applications

Product 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 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)

TECHNICAL DATA

Electrical data

Nominal wattage	12.3 W
Construction wattage	12.30 W
Claimed equiv. conventional lamp power	50 W
Nominal voltage	35.2 V
Input voltage range	34...37 V
Type of current	DC
Nominal current	0.35 A

Photometrical data

Total useful luminous flux [PICOS]	920 lm
Luminous efficacy	75 lm/W
Luminous flux	920 lm
Luminous intensity	1800 cd
Color temperature	2700 K
Color rendering index Ra	≥90
Light color LED	White
Light color (designation)	Warm White

Light technical data

Beam angle	40 °
Rated beam angle (half peak value)	40.00 °

LED MODULE INFORMATION

Number of LEDs per module	1

Dimensions & Weight
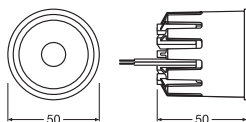
Length	50.0 mm
Cable length	500.000

Width	50.00 mm
Height	52.00 mm
Diameter	50,0 mm
Product weight	90.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C
Temperature range in operation	-25...85 °C
Performance temp. acc. to IEC 62717	75 °C

Lifespan

Nominal lamp life time	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%

Capabilities

Dimmable	Yes

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	A

LOGISTICAL DATA

Temperature range at storage	-40...80 °C

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	Certificates
PDF	Declarations Of Conformity CE
ZIP	CAD data
	IES file (IES)
PDF	Catalogs
PDF	Catalogs

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899583641	Folding box 1	51 mm x 51 mm x 62 mm	102.00 g	0.16 dm³
4052899583658	Shipping box 20	268 mm x 110 mm x 138 mm	2156.00 g	4.07 dm³

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.