

PrevaLED COIN 50 Tunable White

LED modules with integrated optics and heat sink



Areas of application

- Retail
- Shops
- Restaurants
- Hospitality
- Museums
- Gallery
- Suitable for indoor applications

Product family benefits

- Compact form factor compatible with conventional MR16 CDM lamps
- Wide CCT range from 2700 K to 6500 K
- Targeting Human Centric Lighting (HCL)

Product family features

- Color consistency < 3 SDCM in 2700 K
- High flux output up to 1,000 lm
- Beam angle: 24°, 40°



Product family datasheet

Technical data

Electrical data

Product description	Nominal current	Nominal voltage	Type of current	Energy consumption in on-mode	On-mode power
PL-CN50-COB- -900-TW-80-24D-G1	0.3 A	33.8 V	DC	10.2 kWh/1000h	10.20 W
PL-CN50-COB- -900-TW-80-40D-G1	0.3 A	33.8 V	DC	10.2 kWh/1000h	10.20 W

Photometrical data

Product description	Luminous efficacy	Light color (designation)	Colour consistency (McAdam ellipses)	Peak luminous intensity
PL-CN50-COB- -900-TW-80-24D-G1	101 lm/W	Tunable Warm White	5	3600
PL-CN50-COB- -900-TW-80-40D-G1	96 lm/W	Tunable Warm White	5	2100

Product description	Correlated color temperature CCT	Useful luminous flux (Φuse)	Color rendering index Ra
PL-CN50-COB- -900-TW-80-24D-G1	6500 K	946 lm	80
PL-CN50-COB- -900-TW-80-40D-G1	6500 K	876 lm	80

Light technical data

Product description	Starting time	Warm-up time (60 %)
PL-CN50-COB- -900-TW-80-24D-G1	0.0 s	0.00 s
PL-CN50-COB- -900-TW-80-40D-G1	0.0 s	0.00 s

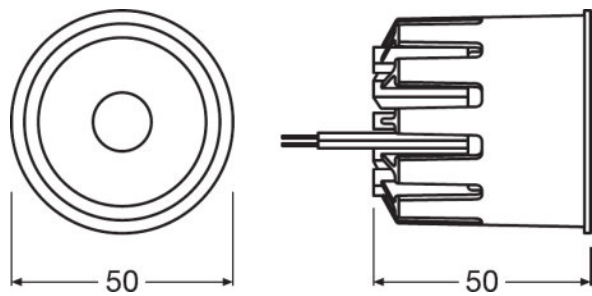
Dimensions & weight

Product description	Diameter	Product weight	Width	Length
PL-CN50-COB- -900-TW-80-24D-G1	50.0 mm	95.00 g	50.0 mm	50.0 mm
PL-CN50-COB- -900-TW-80-40D-G1	50.0 mm	95.00 g	50.0 mm	50.0 mm

Product description	Height
PL-CN50-COB- -900-TW-80-24D-G1	50.0 mm
PL-CN50-COB- -900-TW-80-40D-G1	50.0 mm

Product family datasheet

Product line drawing



PL-CN50-COB- -900-TW-80-24D-G1, PL-CN50-COB- -900-TW-80-40D-G1

Colors & materials

Product description	Heatsink color
PL-CN50-COB- -900-TW-80-24D-G1	Silver
PL-CN50-COB- -900-TW-80-40D-G1	Silver

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range	Temperature range at storage
PL-CN50-COB- -900-TW-80-24D-G1	80 °C	80 °C	-20...+40 °C	-40...80 °C
PL-CN50-COB- -900-TW-80-40D-G1	80 °C	80 °C	-20...+40 °C	-40...80 °C

Lifespan

Product description	Number of switching cycles	L70B50 lifetime	Lumen maintenance factor LMF
PL-CN50-COB- -900-TW-80-24D-G1	100000	50000 h	96
PL-CN50-COB- -900-TW-80-40D-G1	100000	50000 h	96

Product family datasheet

Additional product data

Product description	Lighting technology used
PL-CN50-COB- -900-TW-80-24D-G1	LED
PL-CN50-COB- -900-TW-80-40D-G1	LED

Certificates & standards

Product description	Standards	Energy efficiency class
PL-CN50-COB- -900-TW-80-24D-G1	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/CE	F
PL-CN50-COB- -900-TW-80-40D-G1	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/CE	F

Logistical data

Product description	Commodity code
PL-CN50-COB- -900-TW-80-24D-G1	85395100000
PL-CN50-COB- -900-TW-80-40D-G1	85395100000

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

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-CN50-COB- -900-TW-80-24D-G1	18-04-2022	4062172081320	No declarable substances contained
PL-CN50-COB- -900-TW-80-40D-G1	18-04-2022	4062172081344	No declarable substances contained

Product description	Declaration No. in SCIP database
PL-CN50-COB- -900-TW-80-24D-G1	No declarable substances contained
PL-CN50-COB- -900-TW-80-40D-G1	No declarable substances contained

Product family datasheet


Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	Declarations of conformity PL COIN COB G1 CE 3571792 020921

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
4062172081320	PL-CN50-COB- -900-TW-80-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm ³	2256.00 g
4062172081344	PL-CN50-COB- -900-TW-80-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm ³	2256.00 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.