

PrevaLED COIN 50 DIM to Warm G1

Spot-, Down- and Wallmount Light Engines and Modules



Areas of application

- Bars, restaurants
- Hospitality
- Lounges

Product family benefits

- Compact design
- Compatible with conventional MR16 lamps
- Multi-Shadow-free illumination thanks to single light source
- 5 year guarantee

Product family features

- Soft, stepless dimming (from 2,700 K to 1,800 K)
- Very good colour rendering values in the complete dimming range
- Consistent white light: < 3 SDCM
- Color rendering index: > 90
- Beam angle: 24°, 40°
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)



Product family datasheet

Technical data

Electrical data

Product description	Nominal wattage	Rated wattage	Nominal current	Nominal voltage	Type of current	Claimed equiv. conventional lamp power
PL-CN50-COB- 900-D2W-24D-G1	12.40 W	12.40 W	0.35 A	37.0 V	DC	50 W
PL-CN50-COB- 900-D2W-40D-G1	12.40 W	12.40 W	0.35 A	37.0 V	DC	50 W

Photometrical data

Product description	Total useful luminous flux	Luminous efficacy	Light color (designation)	Standard deviation of color matching	Luminous intensity	Nominal useful luminous flux 90°
PL-CN50-COB- 900-D2W-24D-G1	950 lm	77 lm/W	White	≤3 sdcn	4000 cd	876 lm
PL-CN50-COB- 900-D2W-40D-G1	950 lm	77 lm/W	White	≤3 sdcn	1900 cd	846 lm

Product description	Rated useful luminous flux 90°
PL-CN50-COB- 900-D2W-24D-G1	876 lm
PL-CN50-COB- 900-D2W-40D-G1	846 lm

Light technical data

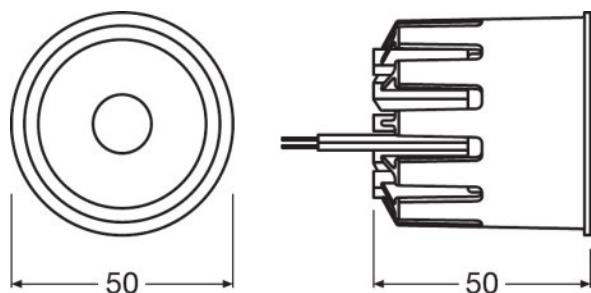
Product description	Rated beam angle (half peak value)	Starting time	Warm-up time (60 %)
PL-CN50-COB- 900-D2W-24D-G1	24.00 °	0.0 s	0.00 s
PL-CN50-COB- 900-D2W-40D-G1	40.00 °	0.0 s	0.00 s

Dimensions & weight

Product description	Diameter	Rated height	Product weight
PL-CN50-COB- 900-D2W-24D-G1	50.0 mm	50.00 mm	90.00 g
PL-CN50-COB- 900-D2W-40D-G1	50.0 mm	50.00 mm	90.00 g

Product family datasheet

Product line drawing



PL-CN50-COB- 900-D2W-24D-G1, PL-CN50-COB- 900-D2W-40D-G1

Colors & materials

Product description	Heatsink color
PL-CN50-COB- 900-D2W-24D-G1	Grey
PL-CN50-COB- 900-D2W-40D-G1	Grey

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-D2W-24D-G1	75 °C	85 °C	-20...+40 °C	-40...80 °C
PL-CN50-COB- 900-D2W-40D-G1	75 °C	85 °C	-20...+40 °C	-40...80 °C

Lifespan

Product description	Lumen main. fact. at end of nom. life time	Lifespan	Nominal lamp life time	Rated lamp life time	Number of switching cycles
PL-CN50-COB- 900-D2W-24D-G1	0.70	50000 h	50000 h	50000 h	100000
PL-CN50-COB- 900-D2W-40D-G1	0.70	50000 h	50000 h	50000 h	100000

Product family datasheet

Capabilities

Product description	Dimmable
PL-CN50-COB- 900-D2W-24D-G1	Yes
PL-CN50-COB- 900-D2W-40D-G1	Yes

Certificates & standards

Product description	Energy consumption	Energy efficiency class	Standards
PL-CN50-COB- 900-D2W-24D-G1	14 kWh/1000h	A	CE
PL-CN50-COB- 900-D2W-40D-G1	14 kWh/1000h	A	CE

Logistical data

Product description	Commodity code
PL-CN50-COB- 900-D2W-24D-G1	854140100000
PL-CN50-COB- 900-D2W-40D-G1	854140100000



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
 Brochures Light is easy to optimize - PrevaLED COIN 50 and 111 COB G1 (EN)
 CAD data Coin50 DC COB

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899605763	PL-CN50-COB- 900-D2W-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm ³	2156.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899605787	PL-CN50-COB- 900-D2W-40D-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.

Disclaimer

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