

PL-CN111-COB- 1800-940-40D-G1

PrevaLED COIN 111 COB G1 | LED modules with integrated optics and heat sink



Product family features

- Consistent white light: < 3 SDCM
- Color rendering index Ra: >80 and >90
- Luminous flux: 1,800...4,800 lm (model dependent)
- Beam angle: 15° (on demand), 24°, 40°, 60°
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)

Product family benefits

- Compact design
- Compatible with conventional AR111 lamps
- High color temperature consistency throughout the whole module
- Multi-Shadow-free illumination thanks to single light source
- 5 year guarantee

Areas of application

- Retail outlets
- Shop lighting
- Restaurants
- Hospitality
- Museums, galleries
- Suitable for indoor applications



Product datasheet

Technical data

Electrical data

| | |
|--|--------------|
| Nominal current | 0.5 A |
| Nominal voltage | 35.9 V |
| Type of current | DC |
| Claimed equiv. conventional lamp power | 100 W |
| On-mode power | 18 W |
| Energy consumption in on-mode | 18 kWh/1000h |

Photometrical data

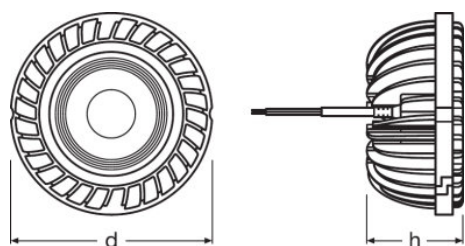
| | |
|---------------------------------------|-----------------------|
| Luminous efficacy | 106 lm/W |
| Light color (designation) | Neutral White |
| Color rendering index Ra | 90 |
| Correlated color temperature CCT | 3900 K |
| Peak luminous intensity | 4300 |
| Colour consistency (McAdam ellipses) | 3 |
| Useful luminous flux (Φ_{use}) | 1700 lm ¹⁾ |

¹⁾ 90°

Light technical data

| | |
|---------------------|--------|
| Starting time | 0.0 s |
| Warm-up time (60 %) | 0.00 s |

Dimensions & weight



| | |
|----------------|----------|
| Diameter | 111.0 mm |
| Product weight | 425.00 g |
| Height | 52 mm |
| Length | 111 mm |

Product datasheet

| | |
|-------|--------|
| Width | 111 mm |
|-------|--------|

Colors & materials

| | |
|----------------|--------|
| Heatsink color | Silver |
|----------------|--------|

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Performance temp. acc. to IEC 62717 | 55 °C |
| Maximum temperature at tc test point | 80 °C |
| Ambient temperature range | -25...+40 °C |
| Temperature range at storage | -40...80 °C |

Lifespan

| | |
|------------------------------|---------|
| Number of switching cycles | 100000 |
| Lumen maintenance factor LMF | 96 |
| L70B50 lifetime | 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% |
| Lighting technology used | LED |

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 | F |

Logistical data

| | |
|----------------|--------------|
| Commodity code | 853951000000 |
|----------------|--------------|

Environmental information

Product datasheet







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

| | |
|----------------------------------|------------------------------------|
| Date of Declaration | 11-01-2022 |
| Primary Article Identifier | 4052899541498 |
| Candidate List Substance 1 | No declarable substances contained |
| CAS No. of substance 1 | No CAS |
| Declaration No. in SCIP database | No declarable substances contained |



664174_5 Year OSRAM
Guarantee (LED)

Download Data

| File | |
|---|---|
|  | Certificates PL ENEC 40031612 250920 |
|  | Certificates CQC certificate |
|  | Declarations of conformity EU Declaration of Conformity of PL-CN COB G1 family |
|  | CAD data PL COIN 111 COB G1 STEP 170719 |
|  | Eulumdat PL CN111 COB 1800 940 40D G1 LDT 300420 |
|  | IES data PL-CN111-COB-1800-940-40D-G1 |

Product datasheet

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 |
|---------------|-------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899541498 | PL-CN111-COB- 1800-940-40D-G1 | Shipping carton box 12 | 280 mm x 254 mm x 209 mm | 14.86 dm ³ | 5922.00 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.