

## PL-CN111-COB- 2800-935-40D-G2

PrevaLED COIN 111 COB G2 | LED modules with integrated optics and heat sink



### Product family features

- Color consistency < 2 SDCM
- TM30 compliant
- High flux output up to 4900 lm
- Beam angle: 15°, 24°, 40°, 60°
- Type of protection: IP20

### Product family benefits

- Compact form factor compatible with conventional AR111 lamps
- Precise optical control and free from multi-shadow issue
- Dual mode options in High-Output (HO) and High-Efficacy (HE)

### Areas of application

- Retail, shop, restaurant, hospitality
- High-end residential
- Suitable for indoor applications
- Connecting multiple modules in parallel on one LED driver is not permitted
- Connecting multiple modules in series on one LED driver is not recommended
- Do not use in sealed fixtures
- Avoid covering the lens with dust or any object



Technical data

Electrical data

|                               |                              |
|-------------------------------|------------------------------|
| Nominal current               | 0.7 A                        |
| Nominal voltage               | 36.2 V                       |
| Type of current               | DC                           |
| On-mode power                 | 25.20 W                      |
| Energy consumption in on-mode | 25.2 kWh/1000h <sup>1)</sup> |

1) \_

Photometrical data

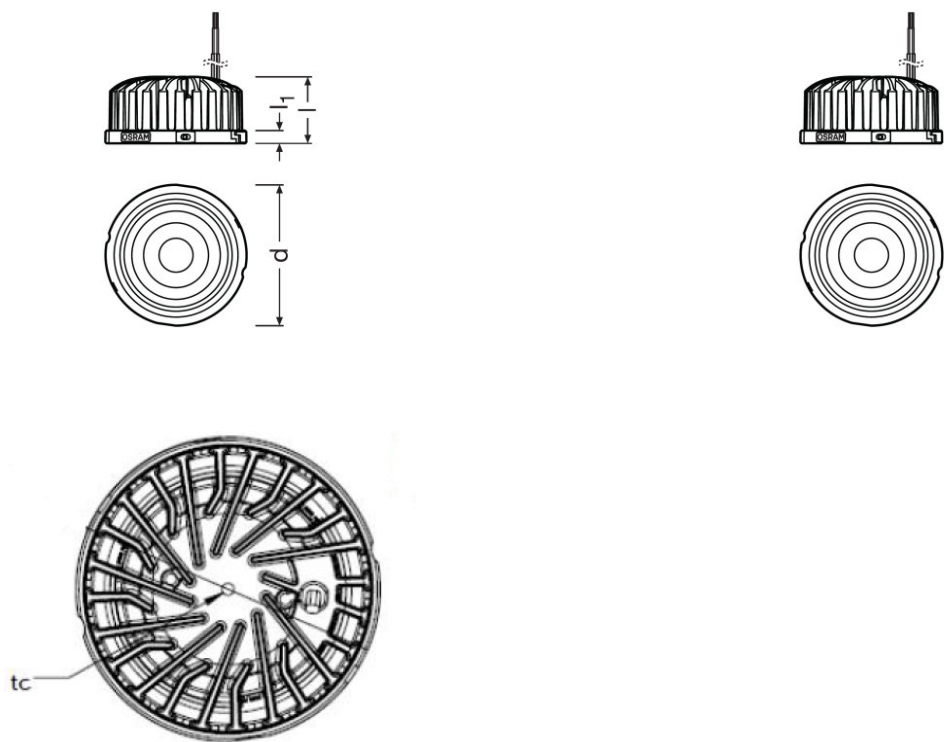
|                                      |                       |
|--------------------------------------|-----------------------|
| Luminous efficacy                    | 99 lm/W               |
| Light color (designation)            | 3500 K                |
| Color rendering index Ra             | 90                    |
| Correlated color temperature CCT     | 3400 K                |
| Peak luminous intensity              | 5409                  |
| Colour consistency (McAdam ellipses) | 2                     |
| Useful luminous flux (Φuse)          | 2200 lm <sup>1)</sup> |

1) 90°

Light technical data

|                     |          |
|---------------------|----------|
| Starting time       | < 0.5 s  |
| Warm-up time (60 %) | < 2.00 s |
| Beam angle          | 35 °     |

Dimensions & weight



|                |                        |
|----------------|------------------------|
| Diameter       | 110.0 mm <sup>1)</sup> |
| Product weight | 385.00 g               |
| Height         | 52.0 mm                |
| Length         | 110.0 mm               |
| Width          | 110.0 mm               |

<sup>1)</sup> ±0.5 mm

Colors & materials

|                |      |
|----------------|------|
| Heatsink color | Grey |
|----------------|------|

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Performance temp. acc. to IEC 62717  | 65 °C        |
| Maximum temperature at tc test point | 90 °C        |
| Ambient temperature range            | -25...+40 °C |
| Temperature range at storage         | -40...80 °C  |

Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 15000 |
|----------------------------|-------|

Product datasheet

|                              |                       |
|------------------------------|-----------------------|
| Lumen maintenance factor LMF | 96 <sup>1)</sup>      |
| L70B50 lifetime              | 50000 h <sup>1)</sup> |

1) \_

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 <a href="http://www.osram.com/led-systems">www.osram.com/led-systems</a> )/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & standards

|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 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 |
| Energy efficiency class | F                                                                                                                     |

Logistical data

|                |             |
|----------------|-------------|
| Commodity code | 85395100000 |
|----------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |
|-----------------------------------------------------------------------|------------------------------------|
| Date of Declaration                                                   | 18-04-2022                         |
| Primary Article Identifier                                            | 4052899621046                      |
| Candidate List Substance 1                                            | No declarable substances contained |
| Declaration No. in SCIP database                                      | No declarable substances contained |

Download Data

| File |
|------|
|------|

Product datasheet

|                                                                                   |                                                              |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | Certificates<br>PL CN111 COB G2 ENEC 181121                  |
|  | Declarations of conformity<br>PL CN111 COB CE 4276330 160623 |
|  | CAD data<br>PL CN111 COB G2 STEP 160321                      |
|  | CAD data<br>PL CN111 G2 STEP 041121                          |
|  | IES data<br>PL CN111 COB 2800 935 40D G2.1 IES 250321        |

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 |
|---------------|-------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899621046 | PL-CN111-COB- 2800-935-40D-G2 | Shipping carton box<br>12    | 280 mm x 254 mm x 209 mm             | 14.86 dm <sup>3</sup> | 5443.00 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.

Accessories Optional

| Product description           | Accessory name                  | Accessory code  |
|-------------------------------|---------------------------------|-----------------|
| PL-CN111-COB- 2800-935-40D-G2 | 15D LENS FOR COIN 111 COB G2    | ▶ 4062172235075 |
| PL-CN111-COB- 2800-935-40D-G2 | 24D LENS FOR COIN 111 COB G2    | ▶ 4062172235099 |
| PL-CN111-COB- 2800-935-40D-G2 | BLACK COVER FOR COIN 111 COB G2 | ▶ 4062172251822 |
| PL-CN111-COB- 2800-935-40D-G2 | PL-CN111 -ROUND-RING            | ▶ 4052899306820 |

Disclaimer

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