

## PL-CN50-COB- 1400-935-15D-G2

PrevaLED COIN 50 COB G2 | LED modules with integrated optics and heat sink



### Product family features

- Color consistency < 2 SDCM
- TM30 compliant
- High flux output up to 1500 lm
- Beam angle: 15°, 24°, 40°
- Type of protection: IP20

### Product family benefits

- Compatible with conventional MR16 lamps
- Precise optical control and free from multi-shadow issue
- Replaceable front cover to maximize optics flexibility and future extension
- 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



# Product datasheet

## Technical data

### Electrical data

|                               |                |
|-------------------------------|----------------|
| Nominal current               | 0.35 A         |
| Nominal voltage               | 34.4 V         |
| Type of current               | DC             |
| On-mode power                 | 12.10 W        |
| Energy consumption in on-mode | 12.1 kWh/1000h |

### Photometrical data

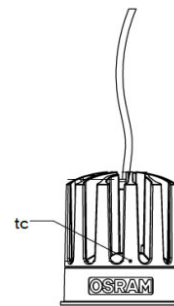
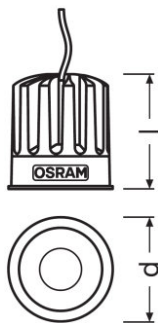
|                                       |                       |
|---------------------------------------|-----------------------|
| Luminous efficacy                     | 94 lm/W               |
| Light color (designation)             | 3500 K                |
| Color rendering index Ra              | 90                    |
| Correlated color temperature CCT      | 3500 K                |
| Peak luminous intensity               | 7774                  |
| Colour consistency (McAdam ellipses)  | 2                     |
| Useful luminous flux ( $\Phi_{use}$ ) | 1050 lm <sup>1)</sup> |

<sup>1)</sup> 90°

### Light technical data

|                     |          |
|---------------------|----------|
| Starting time       | < 0.5 s  |
| Warm-up time (60 %) | < 2.00 s |
| Beam angle          | 15 °     |

### Dimensions & weight



|                |         |
|----------------|---------|
| Diameter       | 50.0 mm |
| Product weight | 90.00 g |
| Height         | 55.0 mm |
| Length         | 50.0 mm |

## Product datasheet

|       |         |
|-------|---------|
| Width | 50.0 mm |
|-------|---------|

### Colors & materials

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

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Performance temp. acc. to IEC 62717  | 70 °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   |
| 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 <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 |
| Type of protection      | IP20  |
| Energy efficiency class | F   |

### Logistical data




|                |            |
|----------------|------------|
| Commodity code | 8539510000 |
|----------------|------------|

## Product datasheet

### Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |
|---|------------------------------------|
| Date of Declaration   | 20-05-2022                         |
| Primary Article Identifier  | 4062172227186                      |
| Candidate List Substance 1  | No declarable substances contained |
| Declaration No. in SCIP database                                      | No declarable substances contained |

### Download Data

| File   |  |
|--|--|
|  Certificates<br>PL CN50 COB 1400 G2 ENEC 181121    |  |
|  CAD data<br>PL CN50 G2 STEP 041121                 |  |
|  IES data<br>PL CN50 COB 1400 935 15D G2 IES 041121 |  |

### Logistical Data

| Product code  | Product description          | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172227186 | PL-CN50-COB- 1400-935-15D-G2 | Shipping carton box<br>20    | 268 mm x 110 mm x 138 mm             | 4.07 dm <sup>3</sup> | 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.

### Accessories Optional

| Product description          | Accessory name                 | Accessory code  |
|------------------------------|--------------------------------|-----------------|
| PL-CN50-COB- 1400-935-15D-G2 | PL-CN50 -ROUND-RING            | ▶ 4062172134842 |
| PL-CN50-COB- 1400-935-15D-G2 | BLACK COVER FOR COIN 50 COB G2 | ▶ 4062172251808 |

## Product datasheet

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### Disclaimer

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