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## PL-CN50-COB -2000-940-24D-G3

PL COIN 50 COB G3 | Spot-, Down- and Wallmount Light Engines and Modules



### Product family features

- Color consistency < 2 SDCM (15D version <3 SDCM)
- TM30 compliant
- High flux output up to 1500 lm
- Beam angle: 15°, 24°, 40°, 60°
- 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



## 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               | 0.5 A          |
| Type of current               | DC             |
| On-mode power                 | 17.2 W         |
| Energy consumption in on-mode | 17.2 kWh/1000h |
| Maximum forward voltage       | 36 V           |

### Photometrical data

|                                       |          |
|---------------------------------------|----------|
| Luminous efficacy                     | 109 lm/W |
| Peak luminous intensity               | 7710     |
| Correlated color temperature CCT      | 4000 K   |
| Colour consistency (McAdam ellipses)  | 2        |
| Useful luminous flux ( $\Phi_{use}$ ) | 1708 lm  |
| Color rendering index Ra              | 90       |

### Light technical data

|                     |      |
|---------------------|------|
| Beam angle          | 24 ° |
| Starting time       | 0 s  |
| Warm-up time (60 %) | 0 s  |

### LED module information

|                           |   |
|---------------------------|---|
| Number of LEDs per module | 1 |
|---------------------------|---|

## Dimensions & weight

|                |          |
|----------------|----------|
| Product weight | 121.00 g |
| Height EPREL   | 75 mm    |
| Length EPREL   | 50 mm    |
| Width EPREL    | 50 mm    |

## Temperatures & operating conditions

|                                      |       |
|--------------------------------------|-------|
| Performance temp. acc. to IEC 62717  | 70 °C |
| Maximum temperature at tc test point | 95 °C |

Lifespan

|                              |         |
|------------------------------|---------|
| Number of switching cycles   | >15000  |
| Lumen maintenance factor LMF | 96      |
| L70B50 lifetime              | 50000 h |

Additional product data

|                          |     |
|--------------------------|-----|
| Lighting technology used | LED |
|--------------------------|-----|

Capabilities

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

## Certificates & standards

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| Standards               | IEC 62778 / IEC 60598-1 / EN 62031 / EN 55015 / EN 61547 / IEC 61000-3-2 / IEC 61000-3-3 |
| Type of protection      | IP20                                                                                     |
| 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                                                   | 13-01-2026    |
| Primary Article Identifier                                            | 6937186151476 |
| Declaration No. in SCIP database                                      | In work       |
| SCIP_ID                                                               |               |

## Download Data

| File             |            |                                                    |
|------------------|------------|----------------------------------------------------|
| Certificates     | PDF        | ▶ CB CERTIFICATE 331284_70044 PL COIN 35 50 111 G3 |
| Certificates     | PDF        | ▶ PL ENEC 40031612 05082025                        |
| CAD data         | Compressed | ▶ PL-CN50-2000-G3 STEP 171225                      |
| User instruction | PDF        | ▶ UI PL-CN35 50 111 COB G3                         |

## Logistical Data

| Product code                  | Product description              | Packaging unit<br>(Pieces/Unit)  | Dimensions (length<br>x width x height) | Volume               | Gross weight |
|-------------------------------|----------------------------------|----------------------------------|-----------------------------------------|----------------------|--------------|
| 6937186151476<br>INVENTRONICS | PL-CN50-COB -2000-<br>940-24D-G3 | Shipping carton box<br>20 Pieces | 268 x 215 x 97 mm                       | 5.59 dm <sup>3</sup> | 138.53 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