# PRODUCT DATASHEET
# PL-CN 111AC-1800-830 24 G1

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

## Areas of application

- LED replacement for high intensity discharge lamps up to 35 W
- Shop lighting
- Shopping centers
- Exhibition halls
- Museums
- Suitable for indoor applications

## Product benefits

- Easy and quick design-in for luminaire manufacturers
- Turn-key solution for projects
- 5 year guarantee

## Product features

- Integrated driver, heat sink and lens optics
- Fits into most existing traditional R111 luminaires
- Available with 24° or 40° beam angle
- Versions with different luminous flux and different color temperatures available
- Lifetime (L70/B50): 35,000 h (temperature at $T_C$ = 68 °C)
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)


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## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 22.50 W |
| Construction wattage | 22.50 W |
| Nominal voltage | 230 V |
| Input voltage range | 220…240 V |
| Type of current | AC |
| Nominal current | 105.000 mA |
| Power factor λ | ≥ 0.90 |
| Flickering metric (Pst LM) | ≤1 |

### Photometrical data

| | |
|---|---|
| Total useful luminous flux [PICOS] | 1850 lm |
| Luminous efficacy | 82 lm/W |
| Luminous flux | 1664 lm |
| Luminous intensity | 6450 cd |
| Nom. useful luminous flux 120° [PICOS] | 1777 lm |
| Flickering metric (Pst LM) | ≤1 |
| Color temperature | 3000 K |
| Color rendering index Ra | 83 |
| Light color LED | White |
| Light color (designation) | Warm White |
| Standard deviation of color matching | ≤4 sdcm |
| Rated peak intensity | 6450 cd |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Stroboscope effect metric (SVM) | ≤0.9 |

### Light technical data

| | |
|---|---|
| Beam angle | 24 ° |
| Rated beam angle (half peak value) | 24.00 ° |
| Starting time | < 0.5 s |

## LED MODULE INFORMATION

| | |
|---|---|
| Number of LEDs per module | 18 |

### Dimensions & Weight


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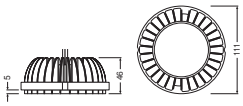

| | |
|---|---|
| Cable length | 500.000 |
| Height | 50.00 mm |
| Diameter | 110.7 mm |
| Product weight | 340.00 g |

## Colors & materials

| | |
|---|---|
| Product color | White |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -40…80 °C |
| Maximum temperature at tc test point | 80 °C |
| Temperature range in operation | -40…80 °C |
| Performance temp. acc. to IEC 62717 | 68 °C |

## Lifespan

| | |
|---|---|
| Nominal lamp life time | 35000 h |
| Number of switching cycles | > 100000 |

## Additional product data

| | |
|---|---|
| Product remark | 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% |

## Capabilities

| | |
|---|---|
| Dimmable | No |

## Certificates & Standards

| | |
|---|---|
| Standards | Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 62031 / Acc. to IEC 60598-1 / Acc. to IEC 62471 / CE / ROHS / UL-94 |


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| | |
|---|---|
| Type of protection | IP20 |
| Energy consumption | 23.00 kWh/1000h |

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity | EU Declaration of Conformity PL COIN 111 G1 family |
| PDF | Certificates | 664159_ENEC VDE Certificate: PL Cube AC G3 |
| PDF | Certificates | VDE EMC CERTIFICATE 40038324 AC |

| | Photometric and lighting design files | Document name |
|---|---|---|
| LDT | LDT file (Eulumdat) | 540305_PL-CN111AC-G1 1800-830 24 |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4052899165571 | Folding box<br>1 | 129 mm x 118 mm x 64 mm | 380.00 g | 0.97 $dm^3$ |
| 4052899165588 | Shipping box<br>12 | 280 mm x 254 mm x 224 mm | 5007.00 g | 15.93 $dm^3$ |

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.ledvance.com/system-guarantee

## DISCLAIMER

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