

PRODUCT DATASHEET

PL-CN 111AC-G2 1800-830 40

PrevaLED® COIN 111 AC G2 | 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



TECHNICAL DATA

Electrical data

| | |
|------------------------|-------------|
| Nominal wattage | 17.00 W |
| Construction wattage | 17.00 W |
| Nominal voltage | 230 V |
| Input voltage range | 220...240 V |
| Type of current | AC |
| Nominal current | 0.08 A |
| Power factor λ | ≥ 0.90 |

Photometrical data

| | |
|--------------------------------------|-----------------------|
| Luminous efficacy | 111.8 lm/W |
| Luminous flux | 1638 lm ¹⁾ |
| Luminous intensity | 2900 cd |
| Color temperature | 3000 K |
| Color rendering index Ra | 80 |
| Light color LED | White |
| Light color (designation) | Warm white |
| Standard deviation of color matching | 3 sdcn |
| Rated peak intensity | 2900 cd |
| Flickering metric (Pst LM) | ≤ 1 |
| Stroboscope effect metric (SVM) | ≤ 0.9 |

1) 90 °

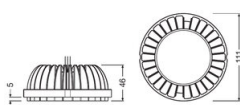
Light technical data

| | |
|---------------|---------|
| Beam angle | 40 ° |
| Starting time | < 0.5 s |

LED MODULE INFORMATION

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

Dimensions & Weight



| | |
|----------------|-----------|
| Length | 111.00 mm |
| Cable length | 500.000 |
| Width | 111.00 mm |
| Height | 49.50 mm |
| Diameter | 110.7 mm |
| Product weight | 340.00 g |

Colors & materials

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

Temperatures & operating conditions

| | |
|--------------------------------------|-------------|
| Ambient temperature range | -25...80 °C |
| Maximum temperature at tc test point | 80 °C |
| Temperature range in operation | -25...80 °C |
| Performance temp. acc. to IEC 62717 | 65 °C |

Lifespan

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

Capabilities

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

Certificates & Standards

| | |
|-------------------------|---|
| Standards | Acc. to IEC 62471 / Acc. to IEC 60598-1 / Acc. to EN 60529 / Acc. to EN62031 IEC 605981 / Acc. to EN 55015 / Acc. to EN 61547 |
| Type of protection | IP20 |
| Energy efficiency class | E |

Energy labelling regulation data acc EU 2019/2015

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

DOWNLOAD DATA

Documents and certificates



User instruction



Declarations Of Conformity UKCA



Certificates

Photometric and lighting design files



LDT file (Eulumdat)

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4062172239394 | Folding box 1 | 129 mm x 118 mm x 64 mm | 380.00 g | 0.97 dm ³ |
| 4062172239400 | Shipping box 12 | 280 mm x 254 mm x 224 mm | 4943.00 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.

DISCLAIMER

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