

## PRODUCT DATASHEET

### PL-CN 111AC-G2 1800-840 24

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



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## 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 $\lambda$     | $\geq 0.90$ |
| Flickering metric (Pst LM) | $\leq 1$    |

### Photometrical data

|                                      |                       |
|--------------------------------------|-----------------------|
| Luminous efficacy                    | 117.4 lm/W            |
| Luminous flux                        | 1698 lm <sup>1)</sup> |
| Luminous intensity                   | 5390 cd               |
| Flickering metric (Pst LM)           | $\leq 1$              |
| Color temperature                    | 3900 K                |
| Color rendering index Ra             | 80                    |
| Light color LED                      | White                 |
| Light color (designation)            | Neutral White         |
| Standard deviation of color matching | 3 sdcn                |
| Rated peak intensity                 | 5390 cd               |
| Stroboscope effect metric (SVM)      | $\leq 0.9$            |

1) 90 °

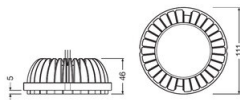
### Light technical data

|               |         |
|---------------|---------|
| Beam angle    | 24 °    |
| 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   |  | Document name                              |
|--|--|--|
|  | User instruction / safety instructions | 21096650 PrevaLED COIN 111 AC G2           |
|  | Declarations of conformity UKCA        | PL CN111AC G2                              |
|  | Certificates                           | PL COIN 111 AC G2 CE 4333840 230821        |
|  | Certificates                           | PL FLAT CUBE CORE COIN EMC 40038324 211119 |
|  | Certificates                           | VDE  |
| Photometric and lighting design files  |  | Document name                              |
|  | LDT file (Eulumdat)                    | PL CN111AC G2 1800 840 40 230V             |
|  | LDT file (Eulumdat)                    | PL CN111AC G2 1800 840 24 230V             |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4062172239417 | Folding box<br>1             | 129 mm x 118 mm x 64 mm              | 380.00 g     | 0.97 dm <sup>3</sup>  |
| 4062172239424 | Shipping box<br>12           | 280 mm x 254 mm x 224 mm             | 4943.00 g    | 15.93 dm <sup>3</sup> |

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.