PRODUCT DATASHEET
PL-CN 111AC-1800-840 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]	1950 lm
Luminous efficacy	87 lm/W
Luminous flux	1650 lm [1)]
Luminous intensity	6050 cd
Nom. useful luminous flux 120° [PICOS]	1875 lm
Flickering metric (Pst LM)	≤1
Color temperature	4100 K
Color rendering index Ra	83
Light color LED	White
Light color (designation)	Neutral White
Standard deviation of color matching	3 sdcm
Rated peak intensity	6050 cd
Lumen main.fact.at end of nom.life time	0.70
Stroboscope effect metric (SVM)	≤0.9

1) 90 °

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

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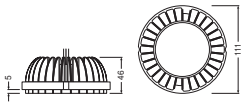
Dimensions & Weight



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

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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
Type of protection	IP20
Energy consumption	23.00 kWh/1000h
Energy efficiency class	F
Energy class of contained light source	F

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED

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)	540299_PL-CN111AC-G1 1800-840 24

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899165595	Folding box 1	131 mm x 181 mm x 65 mm	390.00 g	1.54 dm^3
4052899165601	Shipping box 12	280 mm x 254 mm x 224 mm	5098.00 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

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