

PRODUCT DATASHEET

PL-CN111 -3600-840-24D-G2

Starters for single operation at 230 V AC (ST 111, ST 171, ST 173) | Starters for single operation at 230 V AC



Areas of application

- Spot and track light luminaires
- Chain stores, retail shops
- Shopping centers
- Exhibition halls
- Museums

Product benefits

- High luminous flux
- Easy installation thanks to wiring with only two cables
- Best luminous efficacy in combination with OPTOTRONIC constant current ECG
- Easy and quick design-in for luminaire manufacturers
- 5 year guarantee

Product features

- Fits into most existing traditional R111 luminaires
- Available with 24° or 40° beam angle
- Versions with different luminous flux and different color temperatures available
- Cable length: 500 mm, suitable for 1.6 mm²/AWG 22 wires
- Color rendering index R_a: typ. 92 or typ. 83 (depending on version)



- Module efficacy: up to 115 lm/W
- High color consistency: 4 SDCM
- Maximum temperature at t_c : 85 °C (according to IEC 62717)
- Lifetime (L70/B50): 50,000 h (temperature at $T_c = 75$ °C)

TECHNICAL DATA

Electrical data

Nominal wattage	32.10 W
Construction wattage	32.10 W
Nominal voltage	30.6 V
Nominal current	1050.000 mA
Type of current	DC

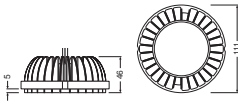
Photometrical data

Luminous intensity	13230 cd
Luminous flux	3332 lm
Nominal useful luminous flux 90°	3332 lm
Luminous efficacy	118 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Neutral White
Color temperature	4000 K
Color rendering index Ra	83
Light color	840
Standard deviation of color matching	≤4 sdc _m
Rated peak intensity	13230 cd

Light technical data

Beam angle	24 °
Starting time	0.1 s

Dimensions & Weight



Overall length	110.70 mm
Diameter	111,0 mm
Maximum diameter	110 mm
Product weight	290.00 g

Temperatures & operating conditions

Ambient temperature range	-25...+40 °C
Maximum temperature at tc test point	85 °C

Lifespan

Number of switching cycles	15000
Lumen maintenance at end of service lifetime	0.70

Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC® LED drivers (see relevant table) / 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
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Capabilities

Dimmable	Yes
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Certificates & Standards

Energy efficiency class	A+
Type of protection	IP20
Standards	Acc. to IEC 62471 / Acc. to IEC 60598-1 / Acc. to EN 62031 / Acc. to EN 55015 / Acc. to EN 61547 / CE / ROHS

Country-specific categorizations

Order reference	PL-CN111-G23600
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LOGISTICAL DATA

Temperature range at storage	-40...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Height	46.00 mm
Width	68.00 mm

DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	614608_EC-Declaration of Conformity PL-CN G2 DC
	Product family datasheet	616325_Family Datasheet PrevaLED COIN 111 G2 (GB)
Photometric and lighting design files		Document name
	IES file (IES)	612160_PL-CN111-G2-3600-840-24D_IES

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899324053	Folding box 1	128 mm x 115 mm x 53 mm	328.00 g	0.78 dm ³
4052899324060	Shipping box 12	277 mm x 250 mm x 190 mm	4286.00 g	13.16 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

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