PRODUCT DATASHEET
LED PIN Micro 10 320° 1W 827 Clear G4

LED PIN MICRO 12 V | Small sized low-voltage 12 V LED lamps with retrofit pin base



Areas of application

- Decorative applications
- Atmospheric accent lighting throughout the home
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Extremely small dimensions
- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Long lifetime of up to 15,000 h
- Three year guarantee

Product features

- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4





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TECHNICAL DATA

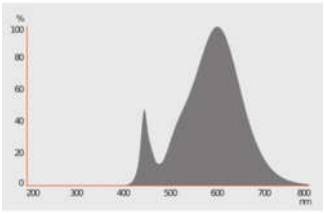
Electrical data

Nominal wattage	1 W
Construction wattage	1.00 W
Nominal voltage	12 V
Operating mode	12V AC/DC
Claimed equiv. conventional lamp power	10 W
Nominal current	130 mA
Type of current	AC/DC
Inrush current	12.3 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	48
Max. lamp no. on circuit break. 16 A (B)	61
Total harmonic distortion	< 180 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	100 lm
Nominal useful luminous flux 90°	100 lm
Luminous efficacy	100 lm/W
Lumen main.fact.at end of nom.life time	0.90
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

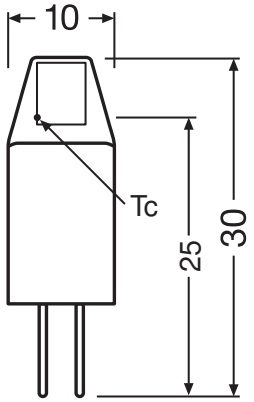
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Light technical data

Beam angle	300 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	30.00 mm
Diameter	10.00 mm
Maximum diameter	10 mm
Product weight	1.9 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	79 °C

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Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.90
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	G4
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	1.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

Order reference	LEDPINMIC10 CL

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	NMLS

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Light source cap-type (or other electric interface)	G4
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00
Networked standby power for CLS	0 W
Claim of equivalent power	Yes
Length	30.00 mm
Height	10.00 mm
Width	10.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403271,522870
Model number	AC32112,AC24774

Safety advice

- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE

	Photometric and lighting design files
	Spectral power distribution

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075523098	Folding box 1	20 mm x 49 mm x 95 mm	8.90 g	0.09 dm^3
4058075523104	Shipping box 10	119 mm x 109 mm x 104 mm	124.00 g	1.35 dm^3
4058075622616	Shipping box 6	109 mm x 79 mm x 104 mm	82.00 g	0.90 dm^3
4058075523111	Shipping box 80	256 mm x 236 mm x 237 mm	1380.00 g	14.32 dm^3
4058075622623	Shipping box 48	236 mm x 176 mm x 237 mm	996.00 g	9.84 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 dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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