PRODUCT DATASHEET
PIN MICRO 10 300 ° 1 W/2700 K 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)
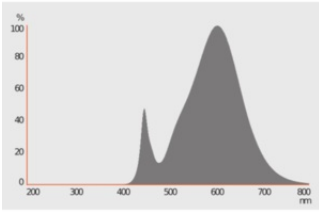– LED alternative to low voltage halogen lamps
– Base: G4

TECHNICAL DATA

Electrical data

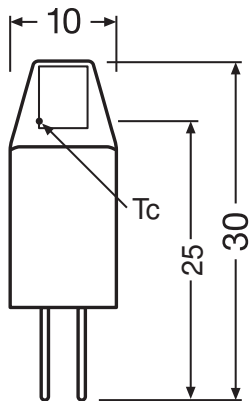|	
Nominal wattage	1 W
Construction wattage	1.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	10 W
Nominal current	130 mA
Type of current	AC/DC
Inrush current	12.3 A
Max. lamp no. on circuit break. 10 A (B)	48
Max. lamp no. on circuit break. 16 A (B)	61
Total harmonic distortion	< 180 %

Photometrical data

Luminous intensity	not applicable
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	0.70
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

Light technical data

Beam angle	300 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	320.00 °

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

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	G4
Mercury content	0.0 mg
Design / version	Clear

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
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	not applicable
LED light source replaces a fluorescent light source	No
EPREL ID	522870
Model number	AC32112,AC32112,AC32112

Safety advice

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

DOWNLOAD DATA

DOWNLOAD DATA
PDF Declarations of conformity

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 dm³
4058075523104	Shipping box 10	119 mm x 109 mm x 104 mm	124.00 g	1.35 dm³

A↑G F

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075622616	Shipping box 6	109 mm x 79 mm x 104 mm	82.00 g	0.90 dm³
4058075523111	Shipping box 80	256 mm x 236 mm x 237 mm	1380.00 g	14.32 dm³
4058075622623	Shipping box 48	236 mm x 176 mm x 237 mm	996.00 g	9.84 dm³

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 Guarantee see www.osram-lamps.com/guarantee
– For further products and actual information concerning LED lamps see www.osram-lamps.com/led-lamps

DISCLAIMER

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