

PRODUCT DATASHEET

LED Base PIN 10 320° 0.9W 827 Clear G4

LED BASE PIN G4 12 V | Special LED lamps



Areas of application

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Low energy consumption
- Ideal for decorative and free-burning applications

Product features

- LED alternative to conventional low voltage lamps
- Mercury-free lamps



TECHNICAL DATA**Electrical data**

Nominal wattage	0.9 W
Construction wattage	0.90 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	< 150 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	100 lm
Nominal useful luminous flux 90°	100 lm
Luminous efficacy	111 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 sdcn
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	320 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	33.00 mm
Diameter	12.00 mm
Maximum diameter	12 mm
Product weight	2.6 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
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
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Capabilities

Dimmable	No
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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	LEDBASEPIN10 CL
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LOGISTICAL DATA



Temperature range at storage	-20...+80 °C
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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 W
Networked standby power for CLS	0 W
Claim of equivalent power	Yes
Length	33.00 mm

Height	12.00 mm
Width	12.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0,9
Displacement factor	0,5
LED light source replaces a fluorescent light source	No
EPREL ID	522866
Model number	AC32120

DOWNLOAD DATA

Documents and certificates	
	Declarations Of Conformity CE
Photometric and lighting design files	
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075758001	Folding box 5	49 mm x 49 mm x 62 mm	28.00 g	0.15 dm ³
4058075758018	Shipping box 50	266 mm x 109 mm x 70 mm	276.00 g	2.03 dm ³
4058075786233	Shipping box 400	452 mm x 282 mm x 167 mm	482.00 g	21.29 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

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