

## PRODUCT DATASHEET

### LED Base PIN 20 320° 1.8W 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

- Lower energy consumption than incandescent or halogen lamps
- 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	1.8 W
Construction wattage	1.80 W
Nominal voltage	12 V
Operating mode	12V AC/DC <sup>1)</sup>
Claimed equiv. conventional lamp power	20 W
Nominal current	250 mA
Type of current	AC/DC
Inrush current	4.78 A
Max. lamp number on MCB B10 A	6
Max. lamp number on MCB B16 A	10
Total harmonic distortion	93 %
Power factor $\lambda$	> 0.50

<sup>1)</sup> Check ECG compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

## Photometrical data

Luminous flux	200 lm
Luminous efficacy	111 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcn
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



349927\_2700K\_Evl\_5630.eps

Light technical data

Beam angle	320 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	36.00 mm
Diameter	13.00 mm
Maximum diameter	13 mm
Product weight	3.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85.5 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

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 <sup>1)</sup>
Energy consumption	2.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations

ILCOS	DRT/C-1,8/827-220-240-G4-14/36
Order reference	LEDBASEPIN20 CL

### 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 W
Claim of equivalent power	Yes
Length	36.00 mm

Height	13.00 mm
Width	13.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403248,522871,2365077
Model number	AC32123,AC24747,AC32123,AC84118

### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

### DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	LED PIN 20 NON-DIM 12V
	Declarations of conformity	LED lamp
	Declarations of conformity UKCA	LED lamp
Photometric and lighting design files		Document name
	Spectral power distribution	349927_2700K_Evl_5630.eps

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075450011	Folding box 3	20 mm x 49 mm x 95 mm	16.00 g	0.09 dm <sup>3</sup>
4058075450028	Shipping box 30	119 mm x 109 mm x 104 mm	180.00 g	1.35 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075450035	Shipping box 240	256 mm x 236 mm x 237 mm	1948.00 g	14.32 dm <sup>3</sup>

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.

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#### References / Links

- For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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