

# 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





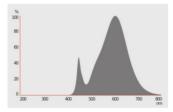
## TECHNICAL DATA

## Electrical data

Nominal wattage	1.8 W
Construction wattage	1.80 W
Nominal voltage	12 V
Operating mode	12V AC/DC
Claimed equiv. conventional lamp power	20 W
Nominal current	250 mA
Type of current	AC/DC
Inrush current	17.7 A
Max. lamp number on MCB B10 A	33
Max. lamp number on MCB B16 A	42
Total harmonic distortion	< 120 %
Power factor $\lambda$	> 0.50

## Photometrical data

Luminous flux	200 lm
Nominal useful luminous flux 90°	200 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 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	320 °
Warm-up time (60 %)	←0.50 s
Starting time	< 0.5 s

# Dimensions & Weight

Overall length	36.00 mm
Diameter	14,0 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	77 °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

Dimmable  No  Pertificates & Standards  Energy efficiency class  Energy consumption  2.00 kWh/1000h  Type of protection  IP20  Standards  CE / EAC  Photobiological safety group acc. to EN62778  RG1  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	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
Energy efficiency class F1  Energy consumption 2.00 kWh/1000h  Type of protection IP20  Standards CE / EAC  Photobiological safety group acc. to EN62778 RG1  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  Corder reference LEDBASEPIN20 CL  COGISTICAL 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  Mills  Light source cap-type (or other electric interface) G4  Connected light source (CLS) No  Color-tuneable light source (CLS) No  Envelope No  Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  SINGLE_VALUE  SINGLE_VALUE  SINGLE_VALUE	Capabilities	
Energy efficiency class  Energy consumption  2.00 kWh/rt000h  Type of protection  IP20  Standards  CE / EAC  Photobiological safety group acc. to EN82778  RG1  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  LCOS  DRT/C-1,8/827-220-240-94-14/36  Order reference  LEDBASEPIN20 CL  CIGISTICAL DATA  Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  Envelope  No  Anti-glare shield  No  Correlated colour temperature type  Stinctle_vALUE  Standby power	Dimmable	No
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Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  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  Standby power  NoLS  NMLS  G4  No  No  No  SinGLE_VALUE  Standby power	OGISTICAL DATA	
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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  Standby power  No  No  Single_VALUE	OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used	-20+80 °C
Color-tuneable light source  Envelope  No  High luminance light source  Anti-glare shield  Correlated colour temperature type  Standby power  No  No  Single_VALUE	OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	-20+80 °C  LED  NDLS
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Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power 0.00	OGISTICAL DATA  Temperature range at storage  Inergy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	-20+80 °C  LED  NDLS  NMLS  G4  No
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Standby power 0.00	Color-tuneable light source Envelope  Conglistical DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope	-20+80 °C  LED  NDLS  NMLS  G4  No  No
	Connected light source Envelope High luminance light source  Conglistical DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No
Networked standby power for CLS 0 W	Connected light source Envelope High luminance light source Anti-glare shield	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No  No  No
	Color-tuneable light source Envelope High luminance light source Anti-glare shield  Correlated colour temperature type	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No  No  No  SINGLE_VALUE

Yes

Claim of equivalent power

Length	36.00 mm
Height	14,0 mm
Width	14,0 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
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	
PDF	Declarations of conformity	LED PIN 20 NON-DIM 12V	
	Photometric and lighting design files	Document name	



Spectral power distribution 349927\_2700K\_EvI\_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	186.00 g	1.35 dm <sup>3</sup>
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.

## References / Links

- For dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

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