

# PRODUCT DATASHEET

## P DIM PIN 20 320 ° 2 W/2700 K G4

LED PIN 12 V DIM | Dimmable low-voltage 12 V LED lamps with retrofit pin base



### Areas of application

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

### Product benefits

- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Very long lifetime of up to 25,000 h
- Four year guarantee

### Product features

- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4, GY6.35



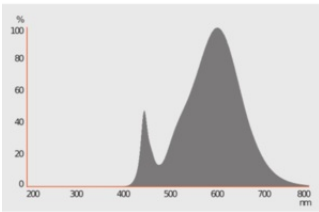
## TECHNICAL DATA

### Electrical data

Nominal wattage	2 W
Construction wattage	2.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Nominal current	190 mA
Type of current	AC/DC
Inrush current	2.5 A
Max. lamp no. on circuit break. 10 A (B)	47
Max. lamp no. on circuit break. 16 A (B)	76
Total harmonic distortion	< 120 %
Power factor $\lambda$	> 0.50

### Photometrical data

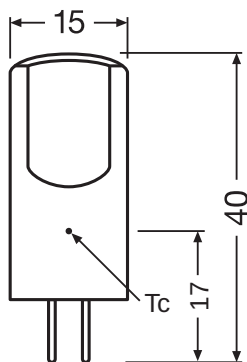
Luminous flux	200 lm
Nominal useful luminous flux 90°	200 lm
Luminous efficacy	100 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 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
Rated beam angle (half peak value)	320.00 °

### Dimensions & Weight



Overall length	40.00 mm
Diameter	15.00 mm
Maximum diameter	15 mm
Product weight	5.5 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

**Lifespan**

Nominal lamp life time	25000 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	Yes
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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
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**

Order reference	LEDPPIN20D CL 2
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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
Claim of equivalent power	Yes
Length	40.00 mm
Height	15.00 mm
Width	15.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
Beam angle	SPHERE_360
Survival factor	0.90
LED light source replaces a fluorescent light source	not applicable
EPREL ID	522864
Model number	AC32099

### 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



Declarations of conformity  
LED PIN 20 NON-DIM 12V

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075622388	Folding box 1	28 mm x 28 mm x 67 mm	11.00 g	0.05 dm <sup>3</sup>
4058075622395	Shipping box 20	150 mm x 122 mm x 77 mm	246.00 g	1.41 dm <sup>3</sup>
4058075622401	Shipping box 120	256 mm x 160 mm x 248 mm	1611.00 g	10.16 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 Guarantee see [www.osram-lamps.com/guarantee](http://www.osram-lamps.com/guarantee)
  - For further products and actual information concerning LED lamps see [www.osram-lamps.com/led-lamps](http://www.osram-lamps.com/led-lamps)
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## DISCLAIMER

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