

# PRODUCT DATASHEET

## PIN 28 320 ° 2.6 W/2700 K G4

LED PIN 12 V | 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
- 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, GY6.35



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**TECHNICAL DATA****Electrical data**

Nominal wattage	2.6 W
Construction wattage	2.60 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	28 W
Nominal current	350 mA
Type of current	AC/DC
Inrush current	20.3 A
Max. lamp no. on circuit break. 10 A (B)	29
Max. lamp no. on circuit break. 16 A (B)	37
Total harmonic distortion	< 120 %
Power factor $\lambda$	> 0.50

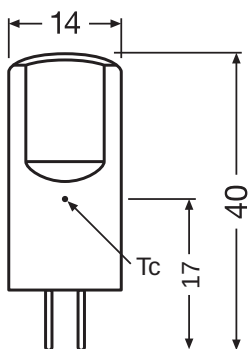
**Photometrical data**

Luminous flux	300 lm
Nominal useful luminous flux 90°	300 lm
Luminous efficacy	115 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

**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
Length	40.00 mm
Width (incl. round luminaires)	14,0 mm
Height (incl. round luminaires)	14,0 mm
Diameter	14,0 mm
Maximum diameter	14 mm
Product weight	4.3 g

#### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	78 °C

#### Lifespan

Nominal lamp life time	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
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#### Certificates & standards

Energy efficiency class	F 1)
Energy consumption	3.00 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	LEDPIN30 CL 2,6
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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

Light source cap-type (or other electric interface)	G4
Correlated colour temperature type	SINGLE_VALUE

### Safety advice

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

### 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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