

## PRODUCT DATASHEET

### ST PIN 20 1.8 W/2700 K G4 CL

LED STAR PIN G4 12 V | Special LED lamps



#### Areas of application

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

#### Product benefits

- Long lifetime of up to 15,000 h
- Low energy consumption
- Ideal for decorative and free-burning applications
- Three year guarantee

#### 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
Claimed equiv. conventional lamp power	20 W
Nominal current	230 mA
Type of current	AC/DC
Inrush current	17.7 A
Max. lamp no. on circuit break. 10 A (B)	33
Max. lamp no. on circuit break. 16 A (B)	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 sdcn
Rated LLMF at 6,000 h	0.80

### Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	36.00 mm
Diameter	13,0 mm
Maximum diameter	13 mm
Product weight	3.6 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	80 °C

### Lifespan

Lifespan	15000 h <sup>1)</sup>
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

<sup>1)</sup> L70/B50

### Additional product data

Base (standard designation)	G4
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear

### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	A++ <sup>1)</sup>
Energy consumption	2.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB / EAC
Photobiological safety group acc. to EN62778	RG0

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

### Country-specific categorizations

ILCOS	DRT/C-1,8/827-220-240-G4-14/36
Order reference	LEDSPIN20 CL 1,

### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G4
Length	36.00 mm
Height	13,0 mm
Width	13,0 mm

Displacement factor	0.5
EPREL ID	1403248

## DOWNLOAD DATA

### Documents and certificates



Declarations Of Conformity CE

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075093911	Blister 2	37 mm x 140 mm x 120 mm	18.00 g	0.62 dm <sup>3</sup>
4058075136083	Folding box 1	28 mm x 28 mm x 67 mm	7.00 g	0.05 dm <sup>3</sup>
4058075811973	Blister 1	37 mm x 140 mm x 120 mm	15.00 g	0.62 dm <sup>3</sup>
4058075093928	Shipping box 18	345 mm x 153 mm x 136 mm	295.00 g	7.18 dm <sup>3</sup>
4058075136090	Shipping box 10	158 mm x 68 mm x 76 mm	96.00 g	0.82 dm <sup>3</sup>
4058075811980	Shipping box 9	345 mm x 153 mm x 132 mm	295.00 g	6.97 dm <sup>3</sup>
4058075136106	Shipping box 120	325 mm x 213 mm x 167 mm	1317.00 g	11.56 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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