

# PRODUCT FAMILY DATASHEET

## LED STAR PIN G4 12 V

### Special LED lamps



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#### AREAS OF APPLICATION

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

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#### PRODUCT BENEFITS

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

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#### PRODUCT FEATURES

- LED alternative to conventional low voltage lamps
- Mercury-free lamps



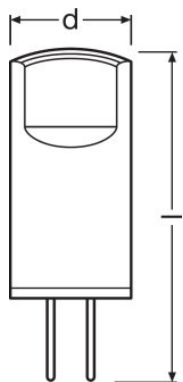
TECHNICAL DATA

Product description	Electrical data				Photometrical data				
	Nominal wattage	Nominal voltage	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Nominal luminous flux	Rated luminous flux	Lumen main.fact.at end of nom.life time	Light color (designation)	Color temperature
ST PIN 10 0.9 W/2700K G4 CL	0.90 W	12 V	48	61	100 lm	100 lm	0.70	Warm White	2700 K
ST PIN 20 1.7 W/2700K G4 FR	1.70 W	12 V			200 lm	200 lm	0.70	Warm White	2700 K
ST PIN 20 1.8 W/2700K G4 CL	1.80 W	12 V	33	42	200 lm	200 lm	0.70	Warm White	2700 K
ST PIN 28 2.4 W/2700K G4 FR	2.40 W	12 V			300 lm	300 lm	0.70	Warm White	2700 K
ST PIN 28 2.4 W/2700K G4 CL	2.40 W	12 V			300 lm	300 lm	0.70	Warm White	2700 K
ST PIN 20 1.8 W/4000K G4	1.80 W	12 V	28	44	200 lm	200 lm	0.70	Cool White	4000 K

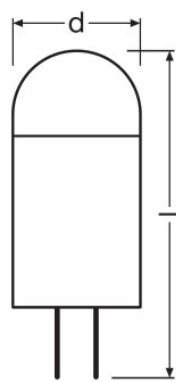
Product description	Light technical data		Dimensions & weight		Temperatures & operating conditions		Lifespan		
	Luminous flux	Color rendering index Ra	Warm-up time (60 %)	Beam angle	Overall length	Diameter	Ambient temperature range	Nominal lamp life time	Number of switching cycles
ST PIN 10 0.9 W/2700K G4 CL	100 lm	≥80	< 0.50 s	300.00 °	33.0 mm	12.0 mm	-20...+40 °C	15000 h	100000
ST PIN 20 1.7 W/2700K G4 FR	200 lm	≥80	< 0.50 s	300.00 °	36.0 mm	14.0 mm	-20...+40 °C	15000 h	100000
ST PIN 20 1.8 W/2700K G4 CL	200 lm	≥80	< 0.50 s	300.00 °	36.0 mm	13.0 mm	-20...+40 °C	15000 h	100000
ST PIN 28 2.4 W/2700K G4 FR	300 lm	≥80	< 0.50 s	300.00 °	44.0 mm	14.0 mm	-20...+40 °C	15000 h	100000
ST PIN 28 2.4 W/2700K G4 CL	300 lm	≥80	< 0.50 s	300.00 °	44.0 mm	13.0 mm	-20...+40 °C	15000 h	100000
ST PIN 20 1.8 W/4000K G4	200 lm	≥80	< 0.50 s	300.00 °	36.0 mm	13.0 mm	-20...+40 °C	15000 h	100000

Product description	Additional product data			Capabilities	Certificates & standards		Country-specific categorizations
	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST PIN 10 0.9 W/2700K G4 CL	G4	0.0 mg	Yes	No	A++	1 kWh/1000h	DRT/C-0,9/827-220-240-G4-12/33
ST PIN 20 1.7 W/2700K G4 FR	G4	0.0 mg	Yes	No	A++	2 kWh/1000h	DRT/F-1,7/827-12-G4-14/36
ST PIN 20 1.8 W/2700K G4 CL	G4	0.0 mg	Yes	No	A++	2 kWh/1000h	DRT/C-1,8/827-220-240-G4-14/36
ST PIN 28 2.4 W/2700K G4 FR	G4	0.0 mg	Yes	No	A++	3 kWh/1000h	DRT/F-2,4/827-12-G4-14/44
ST PIN 28 2.4 W/2700K G4 CL	G4	0.0 mg	Yes	No	A++	3 kWh/1000h	DRT/C-2,4/827-220-240-G4-13/44

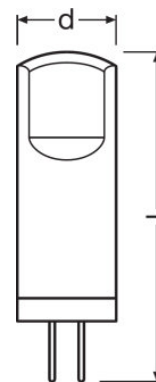
Product description	Additional product data			Capabilities	Certificates & standards		Country-specific categorizations
	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST PIN 20 1.8 W/4000K G4	G4	0.0 mg	Yes	No	A++	2 kWh/1000h	



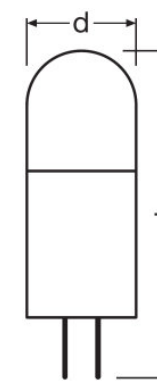
ST PIN 10 0.9 W/2700K G4 CL



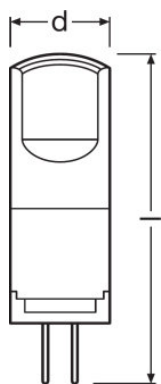
ST PIN 20 1.7 W/2700K G4 FR



ST PIN 20 1.8 W/2700K G4 CL, ST PIN 20 1.8 W/4000K G4



ST PIN 28 2.4 W/2700K G4 FR



ST PIN 28 2.4 W/2700K G4 CL

**APPLICATION ADVICE**

For more detailed application information and graphics please see product datasheet.

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075272057	Shipping carton box 10	158 mm x 68 mm x 76 mm	88.00 g	0.82 dm <sup>3</sup>
4058075811423	Shipping carton box 9	345 mm x 153 mm x 132 mm	346.00 g	6.97 dm <sup>3</sup>
4058075812321	Shipping carton box 18	345 mm x 153 mm x 136 mm	284.00 g	7.18 dm <sup>3</sup>
4052899964440	Shipping carton box 9	345 mm x 153 mm x 136 mm	312.00 g	7.18 dm <sup>3</sup>
4058075093928	Shipping carton box 18	345 mm x 153 mm x 136 mm	295.00 g	7.18 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075136090	Shipping carton box 10	158 mm x 68 mm x 76 mm	96.00 g	0.82 dm <sup>3</sup>
4058075811980	Shipping carton box 9	345 mm x 153 mm x 132 mm	295.00 g	6.97 dm <sup>3</sup>
4052899964464	Shipping carton box 9	345 mm x 153 mm x 136 mm	322.00 g	7.18 dm <sup>3</sup>
4058075812048	Shipping carton box 9	345 mm x 153 mm x 136 mm	338.00 g	7.18 dm <sup>3</sup>
4058075171381	Shipping carton box 9	345 mm x 153 mm x 136 mm	270.00 g	7.18 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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