

# PRODUCT DATASHEET

## ST PAR 16 80 36° 6.9 W/4000K GU10

LED STAR PAR16 | LED reflector lamps PAR16 with retrofit pin base



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### AREAS OF APPLICATION

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

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### PRODUCT FEATURES

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



## TECHNICAL DATA

### Electrical data

Rated wattage	6.90 W
Nominal wattage	6.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Max. lamp no. on circuit break. 10 A (B)	59
Max. lamp no. on circuit break. 16 A (B)	97
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.50

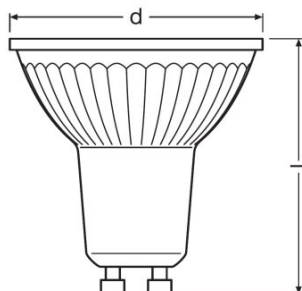
### Photometrical data

Luminous intensity [PIM]	1439 cd
Nominal luminous flux	575 lm
Rated luminous flux	575 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	575 lm
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 6$ sdc
Rated color temperature	4000 K
Color rendering index Ra	$\geq 80$
Nominal useful luminous flux 90°	575 lm
Rated useful luminous flux 90°	575 lm
Rated peak intensity	1164 cd

### Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

### Dimensions & weight



<b>Overall length</b>	55.0 mm
<b>Diameter</b>	51.0 mm
<b>Outer bulb</b>	PAR51
<b>Length</b>	55.0 mm
<b>Maximum diameter</b>	51.0 mm

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	104 °C

### Lifespan

<b>Nominal lamp life time</b>	15000 h
<b>Rated lamp life time</b>	15000 h
<b>Number of switching cycles</b>	100000

### Additional product data

<b>Base (standard designation)</b>	GU10
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	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

### Capabilities

<b>Dimmable</b>	No
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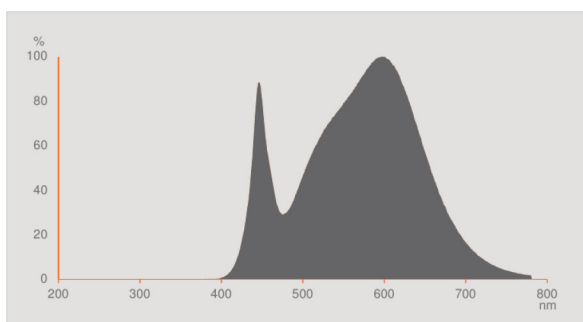
### Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	7 kWh/1000h

Country-specific categorizations

<b>ILCOS</b>	DRPAR-6,9/840-220-240-GU10-50/36
<b>Order reference</b>	LSPAR168036 6,9

Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075112629	Folding carton box 1	49 mm x 49 mm x 62 mm	55.00 g	0.15 dm <sup>3</sup>
4058075112636	Shipping carton box 10	266 mm x 111 mm x 71 mm	635.00 g	2.10 dm <sup>3</sup>
4058075453647	Folding carton box 1	49 mm x 49 mm x 95 mm	48.00 g	0.23 dm <sup>3</sup>
4058075453654	Shipping carton box 10	266 mm x 111 mm x 71 mm	563.00 g	2.10 dm <sup>3</sup>
4058075815612	Blister 1	50 mm x 140 mm x 120 mm	59.00 g	0.84 dm <sup>3</sup>
4058075815629	Shipping carton box 10	290 mm x 254 mm x 134 mm	663.00 g	9.87 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.

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#### REFERENCES / LINKS

For further products and actual information concerning LED lamps see

▶ [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)

For Guarantee see

▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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