

# PRODUCT DATASHEET

## P PAR 16 80 120 ° 6.9 W/3000 K GU10

PARATHOM® PAR16 | LED reflector lamps PAR16 with retrofit pin base



### Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

### Product features

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 6$  SDCM
- Not dimmable
- Lamp made of glass
- Good quality of light; color rendering index  $R_a \geq 80$
- Lifetime: up to 15,000 h



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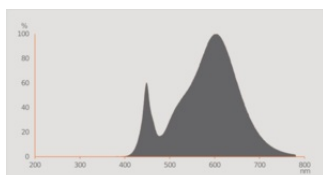
## TECHNICAL DATA

### Electrical data

Nominal wattage	6.9 W
Construction wattage	6.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	51 mA
Type of current	AC
Inrush current	5 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	59
Max. lamp no. on circuit break. 16 A (B)	97
Power factor $\lambda$	> 0.50

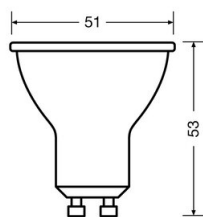
### Photometrical data

Luminous intensity	210 cd
Luminous flux	575 lm
Nominal useful luminous flux 90°	575 lm
Luminous efficacy	83 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	≥80
Light color	830
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	210 cd
Rated LLMF at 6,000 h	0.80



**Light technical data**

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	> 0.5 s
Rated beam angle (half peak value)	120.00 °

**Dimensions & Weight**

Overall length	55.00 mm
Diameter	51,0 mm
Maximum diameter	51 mm
Product weight	48.00 g

**Temperatures & operating conditions**

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

**Lifespan**

Lifespan	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)	GU10
Mercury content	0.0 mg
Mercury-free	Yes

Product remark	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
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### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	A+ <sup>1)</sup>
Energy consumption	7.00 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 E (lowest efficiency)



### Country-specific categorizations

ILCOS	DRPAR-6,9/830-220-240-GU10-50/120
Order reference	LPPAR1680120 6,

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

Light source cap-type (or other electric interface)	GU10
Length	55.00 mm
Height	51,0 mm
Width	51,0 mm

### DOWNLOAD DATA

DOWNLOAD DATA	
	PRODUCT DATASHEET
	IES file (IES)

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075815636	Folding box 1	49 mm x 49 mm x 62 mm	55.00 g	0.15 dm <sup>3</sup>
4058075815643	Shipping box 10	257 mm x 110 mm x 70 mm	600.00 g	1.98 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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