

## PRODUCT DATASHEET

### P PAR 16 80 36 ° 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



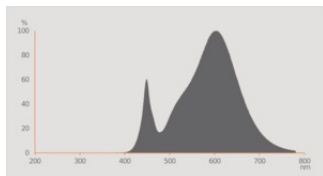
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**TECHNICAL DATA****Electrical data**

Nominal wattage	6.9 W
Construction wattage	6.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	41 mA
Type of current	AC
Inrush current	0.09 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	141
Max. lamp no. on circuit break. 16 A (B)	225
Power factor $\lambda$	0.60

**Photometrical data**

Luminous intensity	880 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	880 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.1
Stroboscope effect metric (SVM)	0.1



### Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	55.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	38.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	96 °C

### Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

### Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg

### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	F
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Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

### Country-specific categorizations

Order reference	RLPAR168036 6,9
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### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	GU10
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00 W
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	55.00 mm
Height	51.00 mm
Width	51.00 mm
Chromaticity coordinate x	0.430
Chromaticity coordinate y	0.393
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.9
Displacement factor	0.70
LED light source replaces a fluorescent light source	No
EPREL ID	734489
Model number	AC35479

### DOWNLOAD DATA

## Photometric and lighting design files



Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597203367	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm <sup>3</sup>
4008597403361	Shipping box 10	257 mm x 110 mm x 70 mm	503.00 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.

## 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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