

## PRODUCT DATASHEET

### PPRO PAR 16 80 36 ° 9.5 W/4000 K GU10

PARATHOM® PRO PAR16 | Dimmable 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
- Stepless dimming
- Very high dimmer compatibility, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)
- Instant 100 % light, no warm-up time

#### Product features

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 3$  SDCM
- Dimmable
- Base: GU10
- Lamp made of glass
- Excellent color rendering CRI > 97



- Lifetime up to 40,000 h

## TECHNICAL DATA

### Electrical data

Nominal wattage	9.5 W
Construction wattage	9.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	54 mA
Type of current	AC
Inrush current	0.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	146
Max. lamp number on MCB B16 A	233
Power factor $\lambda$	0.70

### Photometrical data

Luminous intensity	840 cd
Luminous flux	545 lm
Nominal useful luminous flux 90°	545 lm
Luminous efficacy	57 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	97
Light color	940
Standard deviation of color matching	≤3 sdcn
Rated peak intensity	840 cd
Rated LLMF at 6,000 h	0.80

### Light technical data

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

### Dimensions & Weight

Overall length	52.00 mm
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Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	58.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	113 °C

### Lifespan

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
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

### Capabilities

Dimmable	Yes
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### Certificates & Standards

Energy efficiency class	A <sup>1)</sup>
Energy consumption	10.00 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

Order reference	LPPAR16D8036 9,
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### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
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Length	52.00 mm
Height	50.00 mm
Width	50.00 mm

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449060	Folding box 1	49 mm x 49 mm x 62 mm	65.00 g	0.15 dm <sup>3</sup>
4058075449077	Shipping box 10	255 mm x 107 mm x 72 mm	700.00 g	1.96 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 dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- 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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