

# PRODUCT DATASHEET

## PPRO PAR 16 80 36 ° 9.5 W/3000 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 outdoor luminaires only (minimum IP65)

### 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 ( $R_a: 97$ )



- Lifetime: up to 40,000 h

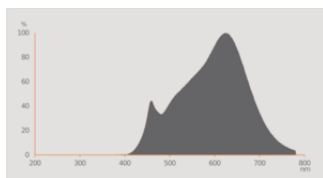
## TECHNICAL DATA

### 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	52 mA
Type of current	AC
Inrush current	1.3 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	102
Max. lamp no. on circuit break. 16 A (B)	163
Power factor $\lambda$	0.70

### Photometrical data

Luminous intensity	840 cd
Luminous flux	575 lm
Nominal useful luminous flux 90°	575 lm
Luminous efficacy	60 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	97
Light color	930
Standard deviation of color matching	$\leq 3$ sdc <sub>m</sub>
Rated peak intensity	840 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.2
Stroboscope effect metric (SVM)	0.4



### Light technical data

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

### Dimensions & Weight

Overall length	52.00 mm
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	105 °C

### Lifespan

Nominal lamp life time	40000 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

### Capabilities

Dimmable	Yes
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### Certificates & Standards

Energy efficiency class	G 1)
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

Order reference	LPPAR16D8036 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
Claim of equivalent power	Yes
Length	52.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.430
Chromaticity coordinate y	0.393
R9 Colour rendering index	55
Beam angle	NARROW_CONE_90
Survival factor	0,9
Displacement factor	0.70
LED light source replaces a fluorescent light source	not applicable
EPREL ID	522993
Model number	AC32728

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075608931	Folding box 1	49 mm x 49 mm x 62 mm	65.00 g	0.15 dm <sup>3</sup>
4058075608948	Shipping box 10	255 mm x 107 mm x 72 mm	703.00 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.

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### 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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