

## PRODUCT DATASHEET

### P PAR 16 50 36 ° 4.5 W/4000 K GU10

PARATHOM® DIM 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:  $\leq 5$  SDCM
- Dimmable
- Lamp made of glass
- Very high color rendering ( $R_a: 90$ )



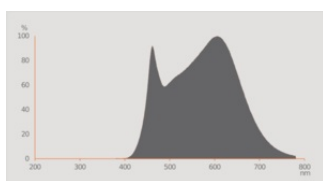
## TECHNICAL DATA

### Electrical data

Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220...240 V
Operating mode	AC
Claimed equiv. conventional lamp power	50 W
Nominal current	27 mA
Type of current	AC
Inrush current	1 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	80
Max. lamp no. on circuit break. 16 A (B)	130
Power factor $\lambda$	0.70

### Photometrical data

Luminous intensity	690 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	77 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	$\geq 90$
Light color	940
Standard deviation of color matching	$\leq 5$ sdcn
Rated peak intensity	690 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	54.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	41.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	87 °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

**Capabilities**

Dimmable	Yes
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**Certificates & Standards**

Energy efficiency class	F
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

**Country-specific categorizations**

Order reference	RLPAR16D5036 4,
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## Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
Correlated colour temperature type	SINGLE_VALUE
Length	54.00 mm
Height	51.00 mm
Width	51.00 mm
EPREL ID	522954

## 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
4008597201660	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm <sup>3</sup>
4008597601668	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 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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