

## PRODUCT DATASHEET

### P PAR 16 50 36 ° 5.5 W/4000 K GU10

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

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#### Areas of application

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

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#### 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
- Lower energy consumption than incandescent or halogen lamps

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#### 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	5.5 W
Construction wattage	5.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	32 mA
Type of current	AC
Inrush current	1 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	141
Max. lamp number on MCB B16 A	226
Power factor $\lambda$	> 0.80

### Photometrical data

Luminous intensity	720 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	63 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	≥90
Light color	940
Standard deviation of color matching	≤5 sdc
Rated peak intensity	720 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	55.00 mm
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Diameter	51.00 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	75 °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	6.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

### Country-specific categorizations

Order reference	LPPAR16D5036 5,
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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	55.00 mm
Height	51.00 mm
Width	51.00 mm
EPREL ID	1403127

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075260054	Folding box 1	49 mm x 49 mm x 62 mm	55.00 g	0.15 dm <sup>3</sup>
4058075260030	Folding box 5	52 mm x 186 mm x 57 mm	267.00 g	0.55 dm <sup>3</sup>
4058075260061	Shipping box 10	257 mm x 110 mm x 70 mm	549.00 g	1.98 dm <sup>3</sup>
4058075260047	Shipping box 50	382 mm x 268 mm x 72 mm	2829.00 g	7.37 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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