

# PRODUCT DATASHEET

## P PAR 16 50 36° 5.5 W/2700K 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 outdoor luminaires only (minimum IP65)

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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

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### PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- Dimmable
- Base: GU10
- Lamp made of glass
- Very high color rendering ( $R_a : 90$ )



– Lifetime: up to 25,000 h

## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	5.50 W
<b>Nominal wattage</b>	5.50 W
<b>Nominal voltage</b>	220...240 V
<b>Claimed equiv. conventional lamp power</b>	50 W
<b>Max. lamp no. on circuit break. 10 A (B)</b>	141
<b>Max. lamp no. on circuit break. 16 A (B)</b>	226
<b>Operating frequency</b>	50...60 Hz
<b>Power factor <math>\lambda</math></b>	> 0.80

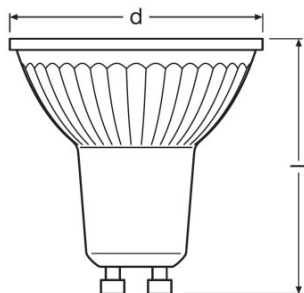
### Photometrical data

<b>Nominal luminous flux</b>	350 lm
<b>Rated luminous flux</b>	350 lm
<b>Lumen main.fact.at end of nom.life time</b>	0.70
<b>Light color (designation)</b>	Warm White
<b>Color temperature</b>	2700 K
<b>Luminous flux</b>	350 lm
<b>Color rendering index Ra</b>	≥90
<b>Standard deviation of color matching</b>	≤5 sdcn
<b>Rated color temperature</b>	2700 K
<b>Nominal useful luminous flux 90°</b>	350 lm
<b>Rated useful luminous flux 90°</b>	350 lm
<b>Rated peak intensity</b>	720 cd

### Light technical data

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

Dimensions & weight



<b>Overall length</b>	55.0 mm
<b>Diameter</b>	51.0 mm
<b>Outer bulb</b>	PAR51
<b>Length</b>	55.0 mm
<b>Maximum diameter</b>	51.0 mm

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	75 °C

Lifespan

<b>Nominal lamp life time</b>	25000 h
<b>Rated lamp life time</b>	25000 h
<b>Number of switching cycles</b>	100000

Additional product data

<b>Base (standard designation)</b>	GU10
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	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

<b>Dimmable</b>	Yes
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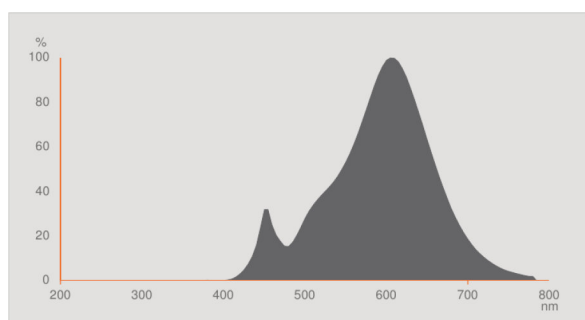
Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	6 kWh/1000h

Country-specific categorizations

<b>Order reference</b>	LPPAR16D5036 5,
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Light Distribution



Spectral power distribution

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075260139	Folding carton box 1	49 mm x 49 mm x 62 mm	44.00 g	0.15 dm <sup>3</sup>
4058075260146	Shipping carton box 10	255 mm x 107 mm x 72 mm	490.00 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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**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.