

# PRODUCT DATASHEET

## P PAR 16 80 36° 8.3 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
- High color consistency:  $\leq 5$  SDCM
- Dimmable
- Base: GU10
- Lamp made of glass



- Very high color rendering ( $R_a : 90$ )
- Lifetime: up to 25,000 h

## TECHNICAL DATA

### Electrical data

Rated wattage	8.30 W
Nominal wattage	8.30 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Max. lamp no. on circuit break. 10 A (B)	167
Max. lamp no. on circuit break. 16 A (B)	267
Operating frequency	50/60 Hz
Power factor $\lambda$	0.70

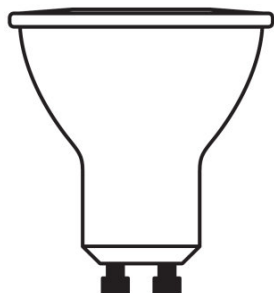
### Photometrical data

Nominal luminous flux	550 lm
Rated luminous flux	550 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	550 lm
Color rendering index Ra	$\geq 90$
Standard deviation of color matching	$\leq 5$ sdc
Rated color temperature	2700 K
Nominal useful luminous flux 90°	550 lm
Rated useful luminous flux 90°	550 lm
Rated peak intensity	840 cd

### Light technical data

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

## Dimensions &amp; weight



<b>Overall length</b>	52.0 mm
<b>Diameter</b>	50.0 mm
<b>Outer bulb</b>	PAR51
<b>Length</b>	52.0 mm
<b>Maximum diameter</b>	50.0 mm

## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	115 °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 &amp; standards

Energy efficiency class	A
Energy consumption	9 kWh/1000h

## Country-specific categorizations

Order reference	LPPAR16D8036 8,
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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449282	Folding carton box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm <sup>3</sup>
4058075449299	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 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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