

# PRODUCT DATASHEET

## PPRO PAR 16 80 36° 8.7 W/4000K GU10

PARATHOM PRO PAR16 | Dimmable LED reflector lamps PAR16 with retrofit pin base



### AREAS OF APPLICATION

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Display cabinets and shop windows
- Spotlighting heat-sensitive objects such as food, plants, etc.

### PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Premium light quality thanks to high color rendering index and narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic

### PRODUCT FEATURES

- Professional LED alternative to high voltage halogen lamps
- Very high color rendering ( $R_a: 90$ )
- Very high color consistency:  $\leq 3$  SDCM
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Made in Germany (versions up to 35 W)
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

Rated wattage	8.70 W
Nominal wattage	8.70 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Max. lamp no. on circuit break. 10 A (B)	129
Max. lamp no. on circuit break. 16 A (B)	206
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.80

### Photometrical data

Luminous intensity [PIM]	1439 cd
Nominal luminous flux	575 lm
Rated luminous flux	575 lm
Rated color temperature	4000 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	575 lm
Color rendering index Ra	97
Standard deviation of color matching	$\leq 3$ sdc <sub>m</sub>
Color rendering index Ra	97
Nominal useful luminous flux 90°	575 lm
Rated useful luminous flux 90°	575 lm
Rated peak intensity	1000 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 & weight



<b>Overall length</b>	62.0 mm
<b>Diameter</b>	51.0 mm
<b>Outer bulb</b>	PAR51
<b>Length</b>	62.0 mm
<b>Maximum diameter</b>	51.0 mm

### Temperatures & operating conditions

<b>Maximum temperature at tc test point</b>	80 °C
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### Lifespan

<b>Nominal lamp life time</b>	40000 h
<b>Rated lamp life time</b>	40000 h
<b>Number of switching cycles</b>	1000000

### 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

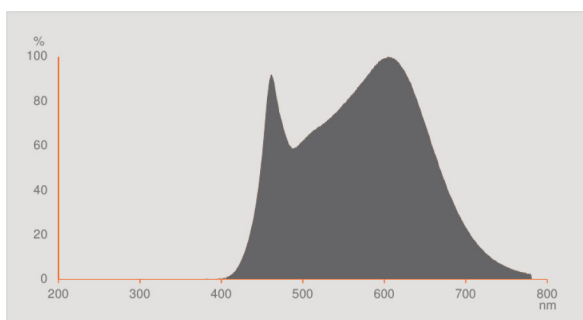
<b>Energy efficiency class</b>	A+
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<b>Energy consumption</b>	8 kWh/1000h
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Country-specific categorizations

<b>Order reference</b>	LPPAR16D8036 8,
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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
4058075260153	Folding carton box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm <sup>3</sup>
4058075260160	Shipping carton box 10	255 mm x 107 mm x 72 mm	892.00 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.