

# PRODUCT DATASHEET

## P PAR 16 80 36° 6.9 W/4000K GU10

PARATHOM PAR16 | LED reflector lamps PAR16 with retrofit pin base



### AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in outdoor luminaires only (minimum IP65)

### 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
- Instant 100 % light, no warm-up time

### PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- Not dimmable
- Base: GU10
- Lamp made of glass
- Good quality of light; color rendering index  $R_a: \geq 80$
- Lifetime: up to 15,000 h



## TECHNICAL DATA

### Electrical data

Rated wattage	6.90 W
Nominal wattage	6.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Max. lamp no. on circuit break. 10 A (B)	59
Max. lamp no. on circuit break. 16 A (B)	97
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous intensity [PIM]	1439 cd
Nominal luminous flux	525 lm
Rated luminous flux	575 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	525 lm
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcn
Rated color temperature	4000 K
Nominal useful luminous flux 90°	575 lm
Rated useful luminous flux 90°	575 lm
Rated peak intensity	1164 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>	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 &amp; operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	104 °C

## Lifespan

<b>Nominal lamp life time</b>	15000 h
<b>Rated lamp life time</b>	15000 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>	No
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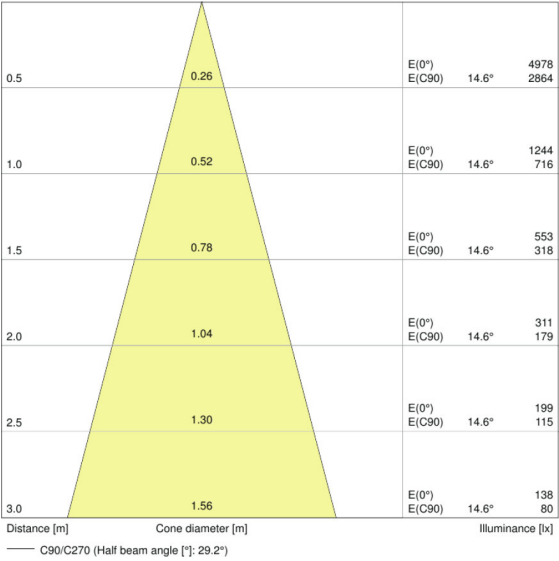
## Certificates &amp; standards

Energy efficiency class	A+
Energy consumption	7 kWh/1000h

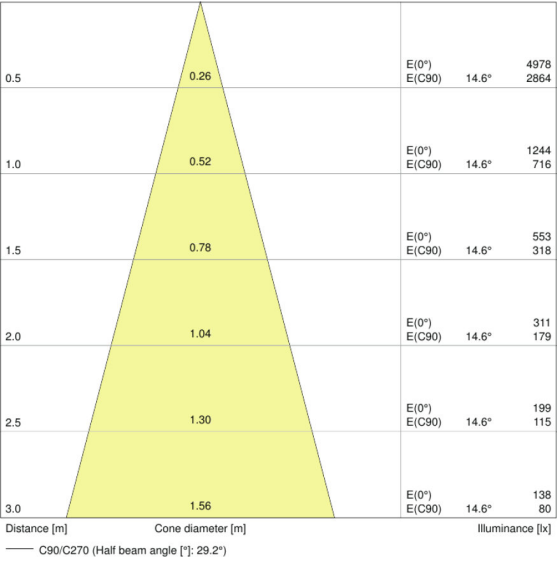
Country-specific categorizations

ILCOS	DRPAR-6,9/840-220-240-GU10-50/36
Order reference	LPPAR168036 6,9

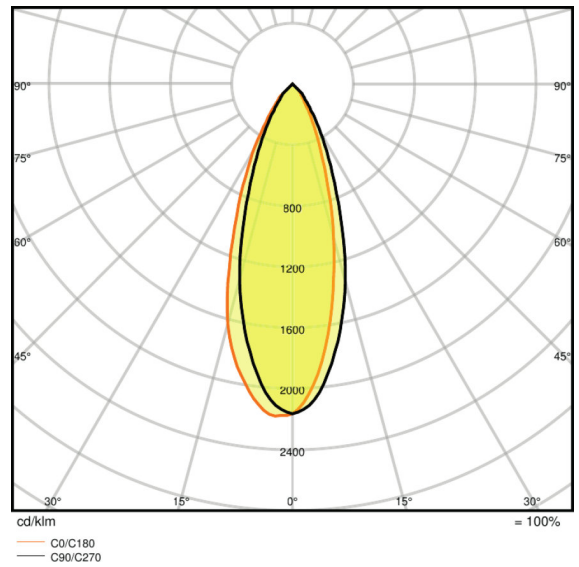
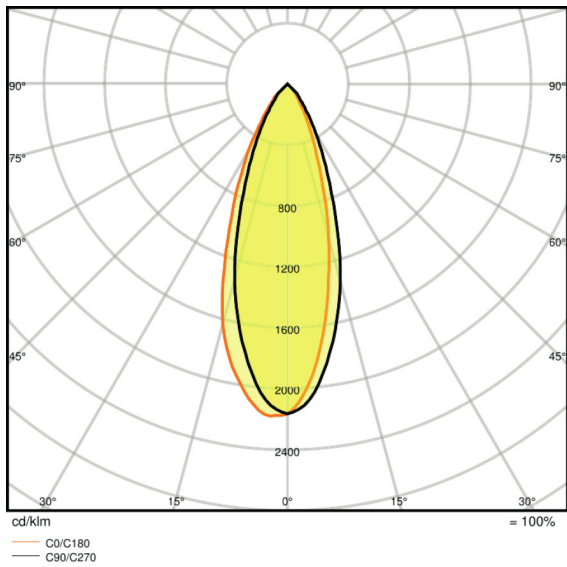
Light Distribution



LDC typ cone

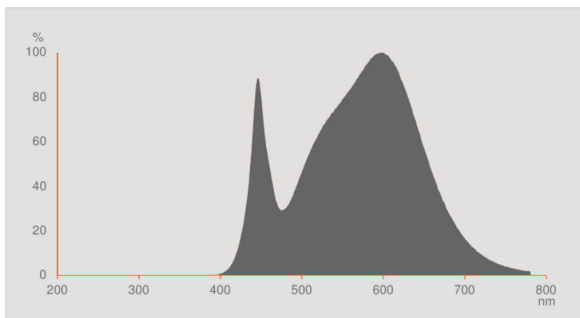


LDC typ cone



LDC typ polar

LDC typ polar



Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899958180	Folding carton box 1	49 mm x 49 mm x 62 mm	55.00 g	0.15 dm <sup>3</sup>
4052899958883	Shipping carton box 10	257 mm x 110 mm x 70 mm	600.00 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.

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#### REFERENCES / LINKS

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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