

# PRODUCT DATASHEET

## P PAR 38 120 30° 12.5 W/2700K E27

PARATHOM PAR38 | LED reflector lamps PAR38 with retrofit screw 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
- Instant 100 % light, no warm-up time

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### PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 6$  SDCM
- Not dimmable
- Base: E27
- Lamp made of glass
- Good quality of light; color rendering index  $R_a: \geq 80$
- Lifetime: up to 15,000 h



– Type of protection: IP65

## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	12.50 W
<b>Nominal wattage</b>	12.50 W
<b>Nominal voltage</b>	220...240 V
<b>Claimed equiv. conventional lamp power</b>	120 W
<b>Max. lamp no. on circuit break. 10 A (B)</b>	90
<b>Max. lamp no. on circuit break. 16 A (B)</b>	145
<b>Operating frequency</b>	50...60 Hz
<b>Power factor <math>\lambda</math></b>	> 0.50

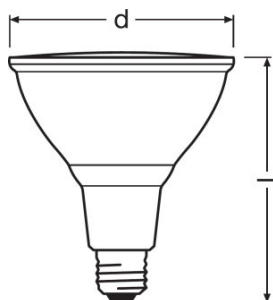
### Photometrical data

<b>Nominal luminous flux</b>	1035 lm
<b>Rated luminous flux</b>	1035 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>	1035 lm
<b>Color rendering index Ra</b>	≥80
<b>Standard deviation of color matching</b>	≤6 sdcn
<b>Rated color temperature</b>	2700 K
<b>Nominal useful luminous flux 90°</b>	1035 lm
<b>Rated useful luminous flux 90°</b>	1035 lm
<b>Rated peak intensity</b>	2600 cd

### Light technical data

<b>Beam angle</b>	30 °
<b>Warm-up time (60 %)</b>	< 0.50 s
<b>Starting time</b>	< 0.5 s
<b>Nominal beam angle</b>	30 °
<b>Rated beam angle (half peak value)</b>	30.00 °

Dimensions & weight



<b>Overall length</b>	134.0 mm
<b>Diameter</b>	120.0 mm
<b>Outer bulb</b>	PAR121
<b>Length</b>	134.0 mm
<b>Maximum diameter</b>	122.0 mm

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	85 °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>	E27
<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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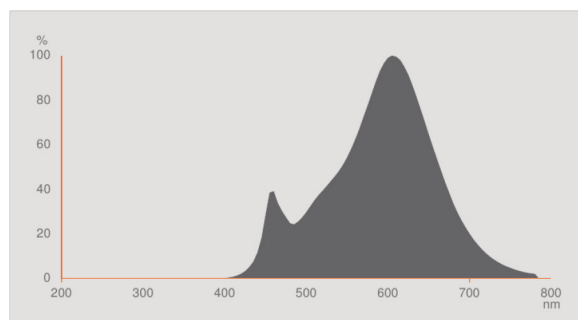
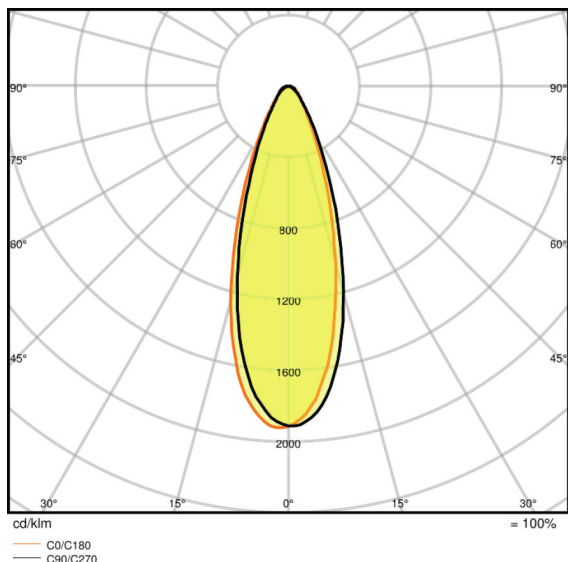
Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	13 kWh/1000h

Country-specific categorizations

<b>Order reference</b>	LPPAR3812030 12
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Light Distribution



LDC typ polar

Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075264106	Folding carton box 1	127 mm x 129 mm x 170 mm	470.00 g	2.79 dm <sup>3</sup>
4058075264113	Shipping carton box 6	402 mm x 278 mm x 196 mm	3086.00 g	21.90 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 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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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.