

# PRODUCT DATASHEET

## P PAR 38 120 15° 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
- 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

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

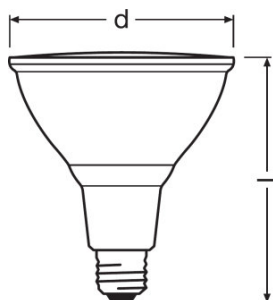
### Photometrical data

Nominal luminous flux	1035 lm
Rated luminous flux	1035 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	1035 lm
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Rated color temperature	2700 K
Color rendering index Ra	$\geq 80$
Nominal useful luminous flux 90°	1035 lm
Rated useful luminous flux 90°	1035 lm
Rated peak intensity	11000 cd

### Light technical data

Beam angle	15 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	15 °
Rated beam angle (half peak value)	15.00 °

Dimensions & weight



<b>Overall length</b>	134.0 mm
<b>Diameter</b>	122.0 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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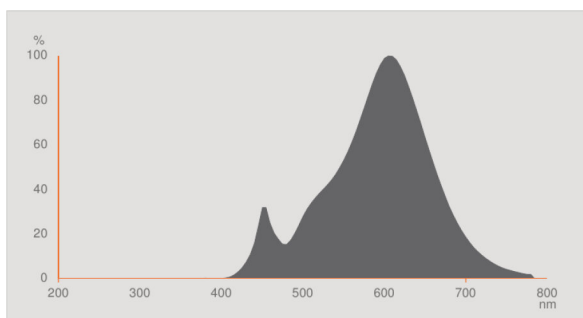
Certificates & standards

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

Country-specific categorizations

<b>Order reference</b>	LPPAR3812015 12
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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
4058075105454	Folding carton box 1	127 mm x 129 mm x 170 mm	515.00 g	2.79 dm <sup>3</sup>
4058075105461	Shipping carton box 6	393 mm x 269 mm x 184 mm	2237.00 g	19.45 dm <sup>3</sup>
4058075264069	Folding carton box 1	127 mm x 129 mm x 170 mm	480.00 g	2.79 dm <sup>3</sup>
4058075264076	Shipping carton box 6	402 mm x 278 mm x 196 mm	3195.00 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.