

PRODUCT DATASHEET

P PAR 38 100 30 ° 13 W/6500 K E27

PARATHOM® PAR38 | LED reflector lamps PAR38 with retrofit screw base



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

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
- Lower energy consumption than incandescent or halogen lamps

Product features



- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 6 SDCM
- Not dimmable
- Base: E27
- Lamp made of glass
- Good quality of light; color rendering index CRI ≥ 80
- Lifetime up to 15,000 h
- Type of protection: IP65

TECHNICAL DATA

Electrical data

Nominal wattage	13 W
Construction wattage	13.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	106 mA
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous intensity	2500 cd
Luminous flux	1200 lm
Nominal useful luminous flux 90°	1035 lm
Luminous efficacy	92 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	2500 cd
Rated LLMF at 6,000 h	0.80

Light technical data

Beam angle	30 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	134.00 mm
Diameter	122.00 mm
Maximum diameter	122 mm
Product weight	350.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
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Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.80

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Product remark	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

Dimmable	No
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Certificates & Standards

Energy efficiency class	A+ ¹⁾
Energy consumption	13.00 kWh/1000h
Photobiological safety group acc. to EN62778	RG1

¹⁾ Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

Order reference	LPPAR3812030 13
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	134.00 mm
Height	122.00 mm
Width	122.00 mm

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075184473	Folding box 1	127 mm x 129 mm x 170 mm	450.00 g	2.79 dm ³
4058075184480	Shipping box 6	402 mm x 278 mm x 196 mm	3069.00 g	21.90 dm ³

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
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.