PRODUCT DATASHEET
P PAR 16 50 120 ° 4.3 W/4000 K 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 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

Product features

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

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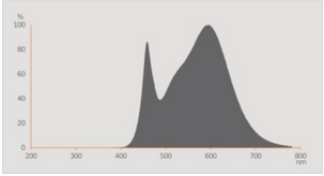
TECHNICAL DATA

Electrical data

Nominal wattage	4.3 W
Construction wattage	4.30 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	35 mA
Type of current	AC
Inrush current	4.5 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Max. lamp no. on circuit break. 10 A (B)	303
Max. lamp no. on circuit break. 16 A (B)	484
Power factor λ	> 0.40

Photometrical data

Luminous intensity	130 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	81 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	130 cd
Rated LLMF at 6,000 h	0.80



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Light technical data

Beam angle	120 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	120.00 °

Dimensions & Weight

Overall length	55.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	43.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	87 °C

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	GU10
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

Certificates & Standards

Energy efficiency class	G [1)]
Energy consumption	5.00 kWh/1000h
Type of protection	IP20

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Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

ILCOS	DRPAR-4,3/840-220-240-GU10-50/36
Order reference	LPPAR1650120 4,

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
Length	55.00 mm
Height	51.00 mm
Width	51.00 mm

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	PRODUCT DATASHEET
ZIP	zEulumdat (archived) - do not use

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899958142	Folding box 1	49 mm x 49 mm x 62 mm	50.00 g	0.15 dm^3
4052899958845	Shipping box 10	257 mm x 110 mm x 70 mm	518.00 g	1.98 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

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