

PRODUCT DATASHEET

P PAR 16 80 36 ° 8 W/4000 K GU10

PARATHOM® DIM PAR16 | Dimmable 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
- Stepless dimming
- Very high dimmer compatibility, see also www.ledvance.com/dim
- 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: ≤ 5 sdcm
- Dimmable
- Lamp made of glass
- Very high color rendering CRI > 90



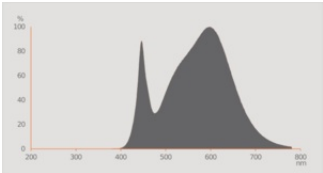
TECHNICAL DATA

Electrical data

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	47 mA
Type of current	AC
Inrush current	0.74 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Power factor λ	> 0.80

Photometrical data

Luminous intensity	1439 cd
Luminous flux	575 lm
Nominal useful luminous flux 90°	575 lm
Luminous efficacy	71 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	≤5 sdc
Rated peak intensity	1439 cd
Rated LLMF at 6,000 h	0.80



OS S10x18 4000K

Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	55.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	56.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	95 °C

Lifespan

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

Energy efficiency class	A+ ¹⁾
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
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

Order reference	LPPAR16D8036 8W
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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

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	AC08000_PAR16 80 DIM 8W 230 GU10
	LDT file (Eulumdat)	AC08000_PAR16 80 DIM 8W 230 GU10
	Light distribution curve type cone	LPPAR16D8036 8W 840 230V GU10 FS1 OSRAM
	Light distribution curve type polar	LPPAR16D8036 8W 840 230V GU10 FS1 OSRAM
	Spectral power distribution	OS S10x18 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075095441	Folding box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm ³
4058075095458	Shipping box 10	255 mm x 107 mm x 72 mm	704.00 g	1.96 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 dimming conformity see www.ledvance.com/dim

- 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.