PRODUCT DATASHEET
P PAR16 100 36 ° 9.1 W/3000 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
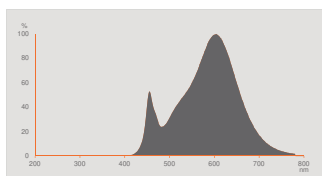– Good quality of light; color rendering index R_a: ≥ 80

– Lifetime: up to 15,000 h

TECHNICAL DATA

Electrical data

Nominal wattage	9.1 W
Construction wattage	9.10 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	64 mA
Type of current	AC
Inrush current	6 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Power factor λ	> 0.80

Photometrical data

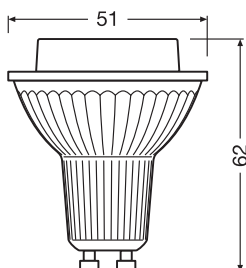|	
Luminous intensity	1280 cd
Luminous flux	750 lm
Nominal useful luminous flux 90°	750 lm
Luminous efficacy	82 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	≥80
Light color	830
Standard deviation of color matching	≤5 sdcm
Rated peak intensity	1280 cd
Rated LLMF at 6,000 h	0.80

Light technical data

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

Dimensions & Weight

Overall length	62.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	77.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	118 °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	No

Certificates & Standards

Energy efficiency class	A+ [1]
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC

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

Country-specific categorizations

Order reference	LPPAR1610036 9,

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
Length	62.00 mm
Height	51.00 mm
Width	51.00 mm

DOWNLOAD DATA

	Photometric and lighting design files
	IES file (IES)
	LDT file (Eulumdat)
	LDC typ cone
	LDC typ polar
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075096523	Folding box 1	49 mm x 49 mm x 62 mm	84.00 g	0.15 dm^3
4058075096530	Shipping box 10	255 mm x 107 mm x 72 mm	903.00 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 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.

References / Links