

## PRODUCT DATASHEET

# P PAR16 DIM 80 120° 7.9 W/2700 K 220...240 V 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](http://www.ledvance.com/dim)
- Instant 100 % light, no warm-up time

### Product features

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 5$  SDCM
- Dimmable
- Lamp made of glass



- Very high color rendering ( $R_a$ : 90)

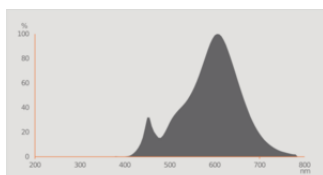
## TECHNICAL DATA

### Electrical data

Nominal wattage	7.9 W
Construction wattage	7.90 W
Nominal voltage	220...240 V
Operating mode	AC
Claimed equiv. conventional lamp power	51 W
Nominal current	45 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	117
Max. lamp no. on circuit break. 16 A (B)	187
Power factor $\lambda$	0.70

### Photometrical data

Luminous intensity	210 cd
Luminous flux	650 lm
Nominal useful luminous flux 90°	650 lm
Luminous efficacy	82 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	$\geq 90$
Light color	927
Standard deviation of color matching	$\leq 5$ sdcn
Rated peak intensity	210 cd
Rated LLMF at 6,000 h	0.80



**Light technical data**

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

**Dimensions & Weight**

Overall length	52.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	56.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	105 °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

**Capabilities**

Dimmable	Yes
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**Certificates & Standards**

Energy efficiency class	G
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

**Country-specific categorizations**

Order reference	RLPR16D80120 7,
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**Energy labelling regulation data acc EU 2019/2015**

Light source cap-type (or other electric interface)	GU10
Correlated colour temperature type	SINGLE_VALUE
Length	52.00 mm
Height	50.00 mm
Width	50.00 mm
EPREL ID	522997

## DOWNLOAD DATA

### Documents and certificates



Declarations Of Conformity CE

### Photometric and lighting design files



LDT file (Eulumdat)



LDC typ polar



Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597201455	Folding box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm <sup>3</sup>
4008597601453	Shipping box 10	255 mm x 107 mm x 72 mm	683.00 g	1.96 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 dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- 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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