

## 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)

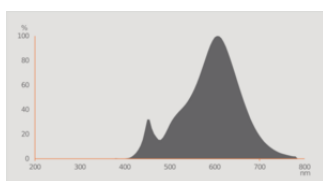
TECHNICAL DATA

Electrical data

Nominal wattage	7.9 W
Construction wattage	7.90 W
Nominal voltage	220...240 V
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	$\leq 5$ sdc
Rated peak intensity	210 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.2
Stroboscope effect metric (SVM)	0.4



**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**

Lifespan	25000 h <sup>1)</sup>
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

<sup>1)</sup> L70/B50

**Additional product data**

Base (standard designation)	GU10
Mercury content	0.0 mg
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	G <sup>1)</sup>
Energy consumption	9.00 kWh/1000h

Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations

Order reference	LPPR16D80120 7,
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### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	GU10
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	Yes
Length	52.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.455
Chromaticity coordinate y	0.405
R9 Colour rendering index	40
Beam angle correspondence	SPHERE_360
Survival factor	0,9
Displacement factor	0.70
LED light source replaces a fluorescent light source	No
EPREL ID	522997
Model number	AC32736

### 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
4058075609013	Folding box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm <sup>3</sup>
4058075609020	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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