

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 outdoor luminaires only (minimum IP65)

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

Product features

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 5 SDCM
- Dimmable
- Base: GU10





- Lamp made of glass
- Very high color rendering (R_a: 90)
- Lifetime: up to 25,000 h

TECHNICAL DATA

Electrical data

Nominal wattage	7.9 W
Construction wattage	7.90 W
Nominal voltage	220240 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 λ	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	≥90
Light color	927
Standard deviation of color matching	≤5 sdcm
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
Rated beam angle (half peak value)	120.00 °

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

Nominal lamp life time	25000 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

Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	G ¹⁾
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

 $1) \ {\sf Energy \ efficiency \ class \ (EEC) \ on \ a \ scale \ of \ A \ (highest \ efficiency) \ to \ G \ (lowest \ efficiency)}$

Country-specific categorizations

Or	der reference	LPPR16D80120 7,

Energy labellling 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 Cloid-tuneable light source No Eivelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Liength 52.00 mm Height 50.00 mm Width 50.00 mm Chromaticity coordinate x 0.455 Chromaticity coordinate y 40 Re Colour rendering index 40 Beam angle 5PHERE_360 Survival factor 0,9 Displacement factor 7,0 LED light source replaces a fluorescent light source not applicable EPREL ID AC32736		
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Displacement factor 0.70 LED light source replaces a fluorescent light source not applicable EPREL ID 522997	Beam angle	SPHERE_360
LED light source replaces a fluorescent light source not applicable EPREL ID 522997	Survival factor	0,9
EPREL ID 522997	Displacement factor	0.70
	LED light source replaces a fluorescent light source	not applicable
Model number AC32736	EPREL ID	522997
	Model number	AC32736

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 dm³
4058075609020	Shipping box 10	255 mm x 107 mm x 72 mm	683.00 g	1.96 dm³

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

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