

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
- 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



August 24, 2023, 17:04:19 P PAR16 DIM 80 120° 7.9 W/2700 K 220... 240 V GU10 - Very high color rendering (R_a: 90)

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 К
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

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

1) _{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
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) 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 usedLEDNon-directional or directionalNDLSMains or non-mainsMLSLight source cap-type (or other electric interface)GU10Connected light source (CLS)NoColor-tuneable light sourceNoStruelapeNoHigh luminance light sourceNoCorrectated color temperature typeSINGLE_VALUECorrelated color temperature typeSINGLE_VALUELighthSucomentHighthSucomentChromaticity coordinate xSucomentOther temperature typeOutonChromaticity coordinate xOutonOutonSucomentChromaticity coordinate xOutonOpfortuneating indexOutonSplacement factorSplacement factorDisplacement factorSplacement factorDisplacement factorSinglacement factorExplate factorSinglacement factorChromaticity condinate sSplacement factorSplacement factorSinglacement factorSplacement factorSinglacement factorChromaticity condinatesSinglacement factorSplacement factorSinglacement factorSplacement fact		
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LED light source replaces a fluorescent light source No EPREL ID 522997	Survival factor	0,9
EPREL ID 522997	Displacement factor	0.70
	LED light source replaces a fluorescent light source	No
Model number AC32736	EPREL ID	522997
	Model number	AC32736

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE
	Photometric and lighting design files
1	LDT file (Eulumdat)
	LDC typ polar
1	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 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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