PRODUCT DATASHEET
P PAR16 DIM 80 120° 7.9 W/3000 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: ≤ 5 SDCM
– Dimmable
– Lamp made of glass

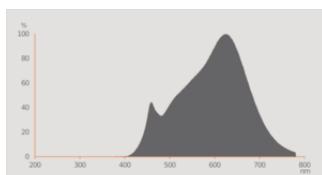– Very high color rendering (R_a: 90)

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 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	3000 K
Color rendering index Ra	≥90
Light color	930
Standard deviation of color matching	≤ 5 sdcm
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

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,

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	522996

DOWNLOAD DATA

Documents and certificates
Declarations Of Conformity CE

Photometric and lighting design files
Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597201462	Folding box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm³
4008597601460	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

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.