PRODUCT DATASHEET
P PAR 16 80 36 ° 8.3 W/4000 K 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
– Lower energy consumption than incandescent or halogen lamps

Product features

– LED alternative to high voltage halogen lamps
– High color consistency: ≤ 5 sdcm
– Dimmable
– Lamp made of glass
– Very high color rendering CRI > 90

TECHNICAL DATA

Electrical data

Nominal wattage	8.3 W
Construction wattage	8.30 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	46 mA
Type of current	AC
Inrush current	0.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	167
Max. lamp number on MCB B16 A	267
Power factor λ	0.70

Photometrical data

Luminous intensity	840 cd
Luminous flux	550 lm
Nominal useful luminous flux 90°	550 lm
Luminous efficacy	66 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥90
Light color	940
Standard deviation of color matching	≤5 sdcm
Rated peak intensity	840 cd
Rated LLMF at 6,000 h	0.80

Light technical data

Beam angle	36 °
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	115 °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
Mercury-free	Yes
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 E (lowest efficiency)

Country-specific categorizations

Order reference	LPPAR16D8036 8,

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	1403208
Model number	AC24605

Safety advice

– Do not touch the lamp if broken.
– Must not be used if outer bulb is defective.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449244	Folding box 1	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm³
4058075449251	Shipping box 10	255 mm x 107 mm x 72 mm	680.00 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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