

# 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
- Lower energy consumption than incandescent or halogen lamps

#### **Product features**

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 5$  sdcm
- Dimmable





- Lamp made of glass
- Very high color rendering CRI > 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 number on MCB B10 A	117
Max. lamp number on MCB B16 A	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
Flickering metric (Pst LM)	0.2
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST RKE 3000K

## 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 L70/B50 at 25 °C	25000 h
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
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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

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

# Country-specific categorizations

Order reference	LPPR16D80120 7,		
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	0.430		
Chromaticity coordinate y	0.393		
R9 Colour rendering index	1		
Beam angle correspondence	SPHERE_360		
Survival factor	0,9		
Displacement factor	0.70		
LED light source replaces a fluorescent light source	No		
EPREL ID	522996		
Model number	AC32737		

# Safety advice

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

## DOWNLOAD DATA

	Documents and certificates	Document name	
PDF	Declarations of conformity	LED lamp PAR16 50 100	
	Photometric and lighting design files	Document name	

Spectral power distribution

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#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075608993	Folding box	49 mm x 49 mm x 62 mm	63.00 g	0.15 dm <sup>3</sup>
4058075609006	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
- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- For Guarantee see www.ledvance.com/guarantee

#### **DISCLAIMER**

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