

PRODUCT DATASHEET LED PAR16 80 120° V 6.9W 830 GU10

LED PAR16 V | 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
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to halogen lamps
- Not dimmable
- Base: GU10
- Lamp made of glass
- Good quality of light; color rendering index CRI \geq 80





TECHNICAL DATA

Electrical data

Nominal wattage	6.9 W
Construction wattage	6.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	49 W
Nominal current	50 mA
Type of current	AC
Inrush current	4.84 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	116
Max. lamp number on MCB B16 A	184
Total harmonic distortion	150 %
Power factor λ	> 0.50

Photometrical data

Luminous intensity	200 cd
Luminous flux	620 lm
Luminous efficacy	90 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	200 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



OS S10x18 3000K

Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	54.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	39.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	97.5 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg
Mercury-free	Yes

	All technical parameters apply to the entire lamp / Due to the complex	
Product remark	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	No	
Certificates & Standards		
Energy efficiency class	F 1)	
Energy consumption	7.00 kWh/1000h	
Type of protection	IP20	
Standards	CE / UKCA / EAC	
Photobiological safety group acc. to EN62778 RG1		
Country-specific categorizations Order reference	LED PAR1680120	
Order reference	LED PAR1680120	
LOGISTICAL DATA		
Temperature range at storage	-20+80 °C	
Energy labelling regulation data acc EU 2019/2015		
Lighting technology used		
	LED	
Non-directional or directional	LED NDLS	
Non-directional or directional Mains or non-mains		
	NDLS	
Mains or non-mains	NDLS MLS	
Mains or non-mains Light source cap-type (or other electric interface)	MLS GU10	
Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	NDLS MLS GU10 No	
Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	NDLS MLS GU10 No No	
Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	NDLS MLS GU10 No No No	
Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source	NDLS MLS GU10 No No No No	
Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield	NDLS MLS GU10 No No No No No No No	
Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Correlated colour temperature type	NDLS MLS GU10 No No No No No SINGLE_VALUE	

50.00 mm

Height

Chromaticity coordinate x	0.4000
	0.4338
Chromaticity coordinate y	0.4030
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	1368244,1841995
Model number	AC45672,AC57948,AC57948,AC57948

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 SPOT PAR16	
PDF	Declarations of conformity	LED PA16	
PDF	Declarations of conformity UKCA	LED PAR16	
	Photometric and lighting design files	Document name	
	Photometric and lighting design files IES file (IES)	PAR16 M3 80 120 3000K GU10	
	IES file (IES)	PAR16 M3 80 120 3000K GU10	

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LOGISTICAL DATA

Spectral power distribution

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854055096	Folding box 1	52 mm x 52 mm x 60 mm	52.00 g	0.16 dm ³
4099854055102	Shipping box 10	270 mm x 114 mm x 72 mm	554.00 g	2.22 dm ³

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 Guarantee see www.ledvance.com/guarantee

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