

PRODUCT DATASHEET LED Value PAR16 80 120° 6.9W 840 GU10

LED VALUE PAR16 | 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 high voltage halogen lamps
- Not dimmable
- Base: GU10
- Lamp made of glass
- Good quality of light; color rendering index CRI ≥ 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	220 cd
Luminous flux	620 lm
Luminous efficacy	90 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	220 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



OS S10x18 4000K

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

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	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
1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lo Country-specific categorizations Order reference	
	LVPAR1680120 6,
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Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LVPAR1680120 6, -20+80 °C LED NDLS MLS GU10 No
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	LVPAR1680120 6, -20+80 °C LED NDLS MLS GU10 No
Country-specific categorizations Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	LVPAR1680120 6, -20+80 °C LED NDLS MLS GU10 No No No
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54.00 mm

50.00 mm

Length

Height

Width	50.00 mm	
Chromaticity coordinate x	0.3818	
Chromaticity coordinate y	0.3797	
R9 Colour rendering index 1		
Beam angle correspondence	SPHERE_360	
Survival factor	0.90	
Displacement factor 0.70		
LED light source replaces a fluorescent light source No		
EPREL ID	522979,734497,1368245,1841996	
Model number	AC32751,AC35487,AC45673,AC57949,AC57949,AC57949	

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	
POF	Declarations of conformity	LED SPOT PAR16	
POF	Declarations of conformity	LED PA16	
POF	Declarations of conformity UKCA	LED PAR16	
	Photometric and lighting design files	Document name	
	IES file (IES)	PAR16 M3 80 120 4000K GU10	
	LDT file (Eulumdat)	PAR16 M3 80 120 4000K GU10	

LOGISTICAL DATA

Light distribution curve type polar

Spectral power distribution

PAR16 M3 80 120 4000K GU10

OS S10x18 4000K

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075096721	Folding box 1	52 mm x 52 mm x 60 mm	46.00 g	0.16 dm ³
4058075096738	Shipping box 10	270 mm x 114 mm x 72 mm	510.00 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.

DISCLAIMER

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