

# PRODUCT DATASHEET LED PAR16 80 120° V 6.9W 865 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





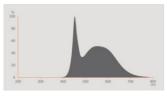
## TECHNICAL DATA

## 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 $\lambda$	> 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 Daylight
Color temperature	6500 K
Color rendering index Ra	80
Light color	865
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 8W6551FL11L3 6500K

# 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
Order reference  LOGISTICAL DATA	LED PAR1680120
Temperature range at storage	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
Energy labelling regulation data acc EU 2019/2015  Lighting technology used	LED
	LED NDLS
Lighting technology used	
Lighting technology used  Non-directional or directional	NDLS
Lighting technology used  Non-directional or directional  Mains or non-mains	NDLS MLS
Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	NDLS MLS GU10
Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	NDLS MLS GU10 No
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	NDLS MLS GU10 No No
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	NDLS MLS GU10 No No No
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  High luminance light source	NDLS MLS GU10 No No No No No
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  High luminance light source  Anti-glare shield	NDLS MLS GU10 No No No No No No
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  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	0.3123	
Chromaticity coordinate y	0.3282	
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	1368208,1842001	
Model number	AC45779,AC57950,AC57950,AC57950	

# 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 Document name	
IES file (IES)	PAR16 M3 80 120 6500K GU10
LDT file (Eulumdat)	PAR16 M3 80 120 6500K GU10
Light distribution curve type polar	PAR16 M3 80 120 6500K GU10
Spectral power distribution	OS 8W6551FL11L3 6500K

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854055256	Folding box 1	52 mm x 52 mm x 60 mm	52.00 g	0.16 dm <sup>3</sup>
4099854055263	Shipping box 10	270 mm x 114 mm x 72 mm	561.00 g	2.22 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 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.