PRODUCT DATASHEET
VALUE PAR 16 50 120 ° 4.5 W/4000 K GU10

LED VALUE PAR16 WHITE | LED reflector lamps PAR16 with retrofit pin base



Areas of application

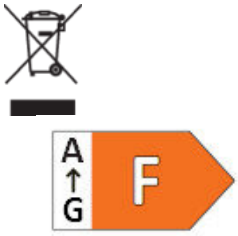
- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

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

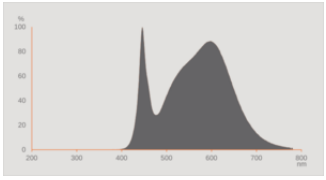
Electrical data

Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	34 mA
Type of current	AC
Inrush current	12 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Max. lamp number on MCB B10 A	170
Max. lamp number on MCB B16 A	280
Maximum total harmonic distortion	< 180 %
Power factor λ	> 0.40

Photometrical data

Luminous intensity	175 cd
Luminous flux	370 lm
Luminous efficacy	82 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	175 cd
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	≤0.4

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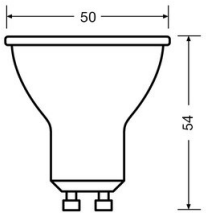


LISO spectral power distribution 4000K CRI80 v1

Light technical data

Beam angle	120 °
Starting time	< 0.5 s

Dimensions & Weight



Overall length	54.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	20.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	82 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

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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)]
Type of protection	IP20
Standards	CE / EAC / UKCA
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	LVPAR16501204,5

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
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
Standby power	0.00 W
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	54.00 mm

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Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	>0
Beam angle correspondence	WIDE_CONE_120
Survival factor	0.9
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	686619,2008251,2492120
Model number	AC32042,AC62656,AC32042,AC90817

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	PAR 16 non-dim GU10
PDF	Declarations of conformity	PAR16 35 NON-DIM
PDF	Declarations of conformity UKCA	PAR16 35 NON-DIM

	Photometric and lighting design files	Document name
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075198708	Folding box 1	51 mm x 51 mm x 60 mm	31.00 g	0.16 dm^3
4058075791763	Folding box 6	175 mm x 115 mm x 69 mm	371.00 g	1.39 dm^3
4058075198715	Shipping box 10	270 mm x 112 mm x 70 mm	390.00 g	2.12 dm^3
4058075791770	Shipping box 72	364 mm x 244 mm x 232 mm	4818.00 g	20.61 dm^3

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075198722	Shipping box 80	470 mm x 285 mm x 160 mm	3620.00 g	21.43 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

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