

PRODUCT DATASHEET LED PAR16 100 36° P 9.6W 830 GU10

LED PAR16 P | 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
- High color consistency: \leq 6 SDCM
- Not dimmable
- Lamp made of glass
- Good quality of light; color rendering index CRI ≥ 80



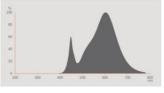
TECHNICAL DATA

Electrical data

Nominal wattage	9.6 W
Construction wattage	9.60 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	52 mA
Type of current	AC
Inrush current	1.3 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	102
Max. lamp number on MCB B16 A	163
Power factor λ	0.70

Photometrical data

Luminous intensity	1100 cd
Luminous flux	750 lm
Nominal useful luminous flux 90°	750 lm
Luminous efficacy	78 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	80
Light color	830
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	1100 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.2
Stroboscope effect metric (SVM)	0.4



OS S10x18 3000K

Light technical data

Beam angle	36 °
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	58.00 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	15000 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

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

Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LED PAR1610036
Order reference	LED PAR 1010030

Energy labelling regulation data acc EU 2019/2015

LED
DLS
MLS
GU10
No
SINGLE_VALUE
0 W
0 W
Yes
52.00 mm
50.00 mm
50.00 mm

Chromaticity coordinate x	0.430
Chromaticity coordinate y	0.393
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.9
Displacement factor	0.70
LED light source replaces a fluorescent light source	No
EPREL ID	522987
Model number	AC32754

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 PAR16	
	Photometric and lighting design files	Document name	
1	Spectral power distribution	OS S10x18 3000K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854070990	Folding box 1	49 mm x 49 mm x 62 mm	65.00 g	0.15 dm ³
4099854071003	Shipping box 10	255 mm x 107 mm x 72 mm	703.00 g	1.96 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 dimming conformity see www.ledvance.com/dim
- 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.