PRODUCT DATASHEET
LED PAR16 UE 50 36 ° 2.2 W/2700 K GU10

LED LAMPS ENERGY CLASS B ENERGY EFFICIENCY REFLECTOR | LED reflector lamps PAR16, ENERGY EFFICIENCY CLASS B

Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Design, dimensions, luminous flux comparable to a halogen lamp
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- LED alternative to high voltage halogen lamps
- Very long lifetime of up to 50,000 h
- Luminous efficacy: up to 180 lm/W
- High color consistency: ≤ 6 SDCM
- Very high number of switching cycles: up to 100,000

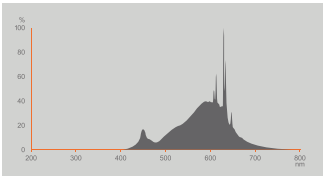
TECHNICAL DATA

Electrical data

Nominal wattage	2.2 W
Construction wattage	2.20 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	22 mA
Type of current	AC
Inrush current	0.022 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	28
Max. lamp no. on circuit break. 16 A (B)	36
Total harmonic distortion	< 180 %
Power factor λ	≥ 0.40

Photometrical data

Luminous intensity	850 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	159 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	850 cd
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0,4



Light technical data

Beam angle	36 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	55.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	45.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	60 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	B
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	LEDPAR1650 2,2W

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	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	not applicable
Networked standby power for CLS	not applicable
Claim of equivalent power	Yes
Length	55.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0,9

LED light source replaces a fluorescent light source	No
EPREL ID	1260025
Model number	AC43689

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE

	Photometric and lighting design files
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854009488	Folding box 1	49 mm x 49 mm x 95 mm	55.00 g	0.23 dm^3
4099854009495	Shipping box 6	168 mm x 111 mm x 71 mm	405.00 g	1.32 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.