PRODUCT DATASHEET
LED ECO PAR16 36 ° 5 W/6500 K GU10

LED ECO PAR16 | LED reflector lamps PAR16 with retrofit pin base

Areas of application

- Hospitality
- Restaurants
- Residential interiors

Product benefits

- Uniform illumination thanks to TIR-reflector and fly eye single optic design
- Clear cast shadows for brilliant accent light
- Energy savings of up to 90 % (compared to halogen lamps)
- High color homogeneity
- Easy replacement of halogen lamps thanks to compact design
- Quick and simple LED conversion without modification of the existing installtion
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

Product features

- High-quality LED replacement for halogen reflector lamps
- High color consistency: < 6 SDCM
- Mercury-free lamps

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TECHNICAL DATA

Electrical data

Nominal wattage	5 W
Construction wattage	5.00 W
Nominal voltage	220…240 V
Operating mode	AC
Claimed equiv. conventional lamp power	50 W
Nominal current	35 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous intensity	700 cd
Luminous flux	450 lm
Luminous efficacy	90 lm/W
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	700 cd

Light technical data

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

Dimensions & Weight

Overall length	54.00 mm
Diameter	50.00 mm

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Maximum diameter	50 mm
Product weight	19.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	≤74.5 °C

Lifespan

Number of switching cycles	100000

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	F
Standards	CB / EMC

Country-specific categorizations

Order reference	LEPAR165036 5W/

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
Length	54.00 mm
Height	50.00 mm
Width	50.00 mm
Displacement factor	>0.7

DOWNLOAD DATA

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	Photometric and lighting design files	Document name
	LDT file (Eulumdat)	M3 APM LED ECO PAR1650 G6
	Light distribution curve type polar	M3 APM LED ECO PAR1650 G6

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854265785	Folding box 1	49 mm x 49 mm x 62 mm	26.00 g	0.15 dm^3
4099854265792	Shipping box 10	255 mm x 107 mm x 72 mm	313.00 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.

DISCLAIMER

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

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