OSRAM

PRODUCT DATASHEET
LED ECO PAR16 36 ° 2.5 W/3000 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 93 % (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

TECHNICAL DATA

Electrical data

Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	35 W
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	0.40

Photometrical data

Luminous intensity	600 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	195 lm
Luminous efficacy	92 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	600 cd

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	30.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C

Lifespan

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

Dimmable	No

Certificates & Standards

Energy efficiency class	A+ [1]
Energy consumption	2.50 kWh/1000h

[1] Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

Order reference	LEPAR163536 2,5

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
Length	52.00 mm
Height	50.00 mm
Width	50.00 mm

DOWNLOAD DATA

Photometric and lighting design files	Document name
IES file (IES)	LED ECO PAR16 GU10

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075204515	Folding box 1	49 mm x 49 mm x 62 mm	37.00 g	0.15 dm^3
4058075204522	Shipping box 10	255 mm x 107 mm x 72 mm	420.00 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.