

PARATHOM PRO PAR16 50 36° ADV 6.8 W/930 GU10

PARATHOM PRO PAR16 advanced | Dimmable LED reflector lamps PAR16 with retrofit pin base



Areas of application

- Spot lighting for accents
- Display cabinets and shop windows
- Retail outlets and exhibition rooms
- Spot lighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in outdoor luminaires only (minimum IP65)
- Directional light sources
- Hospitality
- Shops

Product benefits

- Ideal for economical spot lighting
- Alternative to line-voltage halogen lamps
- Very low energy consumption
- Extremely long life
- No UV and near-IR radiation in the light beam
- Robust against vibrations
- Efficient generation of white light

Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.osram.com/dim)
- High color consistency; SDCM: < 4 (PARATHOM PRO)
- Base: GU10
- Mercury-free lamps
- Lifetime: up to 50,000 h



Technical data

Electrical data

Rated wattage	6.80 W
Nominal wattage	6.80 W
Nominal voltage	230 V
Claimed equiv. conventional lamp power	50 W
Rated luminous flux	350 lm
Operating frequency	50..60 Hz
Power factor λ	> 0.75

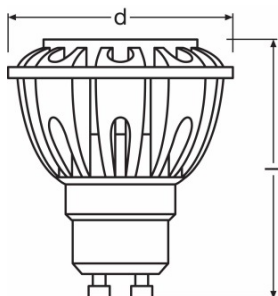
Photometrical data

Luminous intensity	900 cd
Nominal luminous flux	350 lm
Color temperature	3000 K
Color rendering index Ra	90
Light color as per EN 12464-1	Warm White
Standard deviation of color matching	≤ 4 sdc _m
Nominal useful luminous flux 90°	350 lm
Rated useful luminous flux 90°	350 lm
Rated peak intensity	900 cd

Light technical data

Beam angle	36.00 °
Warm-up time (60 %)	< 1.00 s
Starting time	< 0.3 s
Nominal beam angle	36.00 °
Rated beam angle (half peak value)	36.00 °

Dimensions & weight



Overall length	58.0 mm
Diameter	50.0 mm
Outer bulb	PAR51
Length	58.0 mm
Maximum diameter	50.0 mm

Lifespan

Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	1000000
Lumen main.fact.at end of nom.life time	0.70

Additional product data

Base (standard designation)	GU10
Lamp mercury content	0.0 mg
Mercury-free	Yes
Appropriate disposal acc. to WEEE	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/LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance)

Product datasheet

Capabilities

Dimmable	Yes ¹⁾
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¹⁾ With many common dimmers

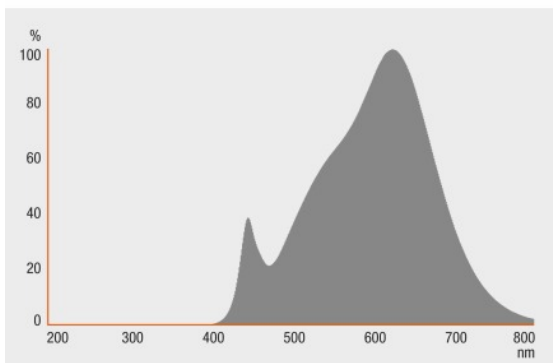
Certificates & standards

Energy efficiency class	A
Energy consumption	7 kWh/1000h

Country specific categorizations

ILCOS	DRPAR-7-230-GU10-50/36
Order reference	PPPAR165036 6,8

Light Distribution



Spectral power distribution

Product datasheet



Guarantee

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899901421	PARATHOM PRO PAR16 50 36° ADV 6.8 W/930 GU10	Shipping carton box 10	272 mm x 116 mm x 83 mm	2.62 dm ³	854.00 g

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.osram.com/DIM

For further products and actual information concerning LED lamps see

▶ www.osram.com/ledlamps

For Guarantee see

▶ www.osram.com/guarantee

Disclaimer

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