

PARATHOM MR16 20 36° ADV 5 W/830 GU5.3

PARATHOM MR16 advanced | Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base



Areas of application

- As a downlight for marking walkways, doors, stairs, etc.
- Exhibitions, department stores
- Outdoor use in outdoor luminaires only (minimum IP65)
- Directional light sources
- Museums
- Hospitality
- Shops

Product benefits

- Very low energy consumption
- Extremely long life
- Robust against vibrations
- No UV and near-IR radiation in the light beam
- Efficient generation of white light

Product features

- Professional LED lamp
- Dimmable (with many common dimmers, see also www.osram.com/dim)
- Base: GU5.3
- Lifetime: up to 25,000 h
- Mercury-free lamps
- High color consistency



Technical data

Electrical data

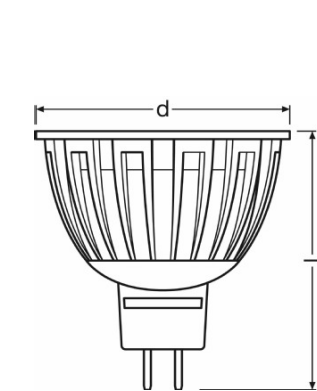
Rated wattage	5 W
Nominal wattage	5 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Operating frequency	50...60 Hz
Power factor λ	0.70
Energy consumption	6 kWh/1000h

Light technical data

Beam angle	36 °
Luminous intensity	550 cd
Nominal luminous flux	210 lm
Rated luminous flux	210 lm
Color temperature	3000 K
Color rendering index Ra	80
Warm-up time (60 %)	< 0.20 s
Light color as per EN 12464-1	Warm White
Starting time	< 0.5 s
Standard deviation of color matching	≤ 5 sdc _m
Nominal useful luminous flux 90°	230 lm
Rated useful luminous flux 90°	230 lm
Nominal beam angle	36.00 °
Rated beam angle	36.00 °
Rated peak intensity	550 cd

Dimensions & weight

Product datasheet



Product line drawing

Overall length	48.0 mm
Diameter	50.0 mm
Outer bulb	MR51
Length	48.0 mm
Maximum diameter	50.0 mm

Colors & materials

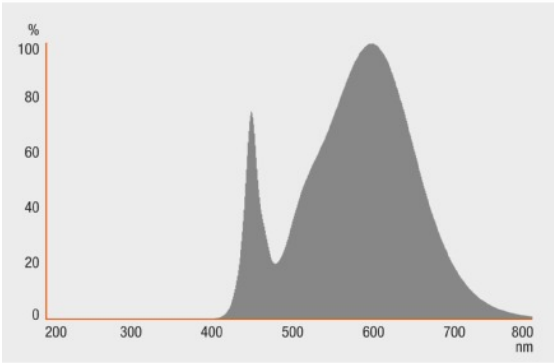
Lamp mercury content	0.0 mg
Mercury-free	Yes

Lifespan

Nominal lamp life time	25000 h
Rated lamp life time	25000 h
Number of switching cycles	100000

Additional product data

Product datasheet



Spectral power distribution

Base (standard designation)	GU5.3
Appropriate disposal acc. to WEEE	Yes
Footnote used only for product	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)

Capabilities

Dimmable	Yes ¹⁾
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¹⁾ With many common dimmers, see also www.osram.com/dim

Certificates & standards

Energy efficiency class	A
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Country specific categorizations

ILCOS	DRR-5-12-GU5,3-50/36
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Guarantee

Equipment / Accessories

- Equipped with high-power LEDs
- Suitable for many commercially available electronic or conventional transformers

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

Further information see

- ▶ www.osram.com/low-voltage-ledlamps

Disclaimer

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