Product datasheet

OSRAM

PARATHOM MR16 35 24° ADV 4.9 W/827 GU5.3

PARATHOM advanced MR16 | 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 applications only in suitable luminaires
- 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 35,000 h
- Mercury-free lamps
- High color consistency; SDCM: < 5 (PARATHOM PRO)

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Electrical data

Rated wattage	4.90 W
Nominal wattage	4.90 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	35 W
Operating frequency	50...60 Hz
Power factor λ	> 0.70

Photometrical data

Luminous intensity	1500 cd
Nominal luminous flux	350 lm
Rated luminous flux	350 lm
Color temperature	2700 K
Color rendering index Ra	≥80
Light color (designation)	Warm White
Standard deviation of color matching	≤5 sdcm
Nominal useful luminous flux 90°	350 lm
Rated useful luminous flux 90°	350 lm
Rated peak intensity	1500 cd

Light technical data

Beam angle	24 °
Warm-up time (60 %)	0.20 s
Starting time	0.1 s
Nominal beam angle	24 °
Rated beam angle (half peak value)	24.00 °

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Dimensions & weight
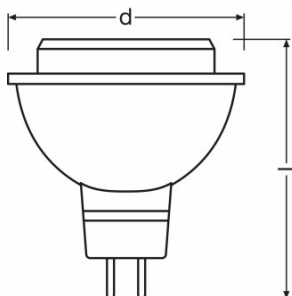
Overall length	51.7 mm
Diameter	49.8 mm
Outer bulb	MR51
Length	51.7 mm
Maximum diameter	50.0 mm

Lifespan

Nominal lamp life time	25000 h
Rated lamp life time	25000 h
Number of switching cycles	100000
Lumen main.fact.at end of nom.life time	0.70

Additional product data

Base (standard designation)	GU5.3
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)

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Capabilities

Dimmable	Yes [1]

[1] With many common dimmers, see also www.osram.com/dim

Certificates & standards

Energy efficiency class	A+
Energy consumption	5 kWh/1000h

Country specific categorizations

ILCOS	DRR-4,9/827-12-GU5.3-50/24
Order reference	PMR16D3524 4,9W

Guarantee

Equipment / Accessories

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

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899943711	PARATHOM MR16 35 24° ADV 4.9 W/827 GU5.3	Shipping carton box 10	267 mm x 111 mm x 69 mm	2.04 dm³	624.00 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

Product datasheet

- 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.

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