P MR16 20 36° 2.9 W/840 GU5.3

PARATHOM MR16 | Low-voltage LED reflector lamps MR16 with retrofit pin base



Areas of application

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Display cabinets and shop windows
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor applications only in suitable luminaires

Product benefits

- Long lifetime of up to 15,000 h
- Low energy consumption
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

Product features

- Professional LED alternative to low voltage halogen lamps
- Made in Germany (versions up to 35 W)
- Mercury-free lamps

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Technical data

Electrical data

Rated wattage	2.90 W
Nominal wattage	2.90 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	20 W
Max. lamp no. on circuit break. 10 A (B)	21
Max. lamp no. on circuit break. 16 A (B)	35
Power factor λ	> 0.50

Photometrical data

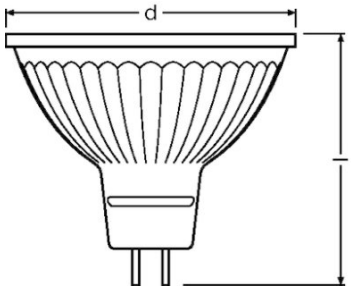
Luminous intensity	600 cd
Rated luminous flux	230 lm
Rated color temperature	4000 K
Color rendering index Ra	≥80
Light color (designation)	Cool White
Standard deviation of color matching	≤6 sdcm
Nominal luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Rated useful luminous flux 90°	230 lm
Rated peak intensity	600 cd
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °
Starting time	< 0.5 s

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Dimensions & weight



Overall length	46.0 mm
Diameter	51.0 mm
Outer bulb	MR51
Length	46.0 mm
Maximum diameter	51.0 mm

Lifespan

Nominal lamp life time	15000 h
Rated lamp life time	15000 h
Number of switching cycles	100000

Additional product data

Base (standard designation)	GU5.3
Mercury content	0.0 mg
Mercury-free	Yes
Appropriate disposal acc. to WEEE	Yes
Product remark	All technical parameters apply to the entire lampDue 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+

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Energy consumption	3 kWh/1000h

Country specific categorizations

ILCOS	DRR-2,9/840-12-GU5,3-50/36
Order reference	LEDPMR162036 2,

Equipment / Accessories

- Equipped with high-power LEDs

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899957732	P MR16 20 36° 2.9 W/840 GU5.3	Shipping carton box 10 Pieces Folding carton box	257 mm x 110 mm x 70 mm	1.98 dm^3	498.40 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 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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