

# Product datasheet

## P MR16 2.9 W/830 GU5.3

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



- Shops and exhibition rooms Domestic applications  
Commercial applications Accent lighting Outdoor use in  
outdoor luminaires only (minimum IP65)

- Quick, simple and safe replacement without rewiring Design, dimensions, luminous flux comparable to an incandescent or  
halogen lamp Low maintenance costs thanks to long lifetime No UV and near-IR radiation in the light beam Instant 100 %  
light, no warm-up time



## Technical data

### Electrical data

Rated wattage	2.90 W
Nominal wattage	2.90 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Operating frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	21
Max. lamp no. on circuit break. 16 A (B)	35
Nominal current	0.34 A

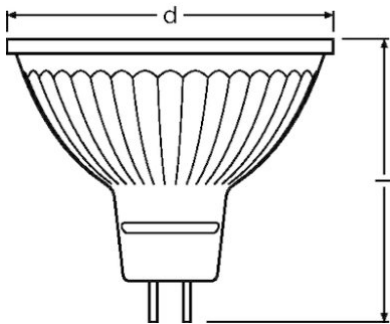
### Photometrical data

Luminous intensity	600 cd
Nominal luminous flux	230 lm
Rated luminous flux	230 lm
Rated color temperature	3000 K
Color rendering index Ra	≥80
Light color (designation)	Warm White
Standard deviation of color matching	≤6 sdc <sub>m</sub>
Nominal useful luminous flux 90°	230 lm
Rated useful luminous flux 90°	230 lm
Rated peak intensity	600 cd
Color temperature	3000 K
Luminous flux	230 lm
Lumen main.fact.at end of nom.life time	0.70

### Light technical data

Beam angle	36 °
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °
Starting time	< 0.5 s

Dimensions & weight



Overall length	46.0 mm
Diameter	51.0 mm
Outer bulb	MR51
Product weight	38.00 g
Length	46.0 mm
Maximum diameter	51.0 mm

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
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Lifespan

Nominal lamp life time	15000 h
Rated lamp life time	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service life	0.70

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 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

## Product datasheet

### Capabilities

Dimmable	No
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### Certificates & standards

Energy efficiency class	A+
Energy consumption	3 kWh/1000h
Type of protection	IP20

### Country specific categorizations

Order reference	LEDPMR162036 2,
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### Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4058075815391
Declaration No. in SCIP database	In work

#### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

#### References / Links

For further products and actual information concerning LED lamps see

▶ [www.osram.com/ledlamps](http://www.osram.com/ledlamps)

For Guarantee see [https://](https://www.inventronics-light.com/multilevel-guarantees)

▶ [www.inventronics-light.com/multilevel-guarantees](https://www.inventronics-light.com/multilevel-guarantees)

Further information see

▶ [www.osram.com/low-voltage-ledlamps](http://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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**OSRAM**

OSRAM GmbH  
Marcel-Breuer-Strasse 6  
80807 Munich, Germany