

## PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3

PARATHOM PRO 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](http://www.osram.com/dim))
- Base: GU5.3
- Lifetime: up to 50,000 h
- Mercury-free lamps
- High color consistency



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## Technical data

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### Electrical data

Rated wattage	5.00 W
Nominal wattage	5.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Operating frequency	50...60 Hz
Power factor $\lambda$	0.91
Energy consumption	6 kWh/1000h

### Photometrical data

Luminous intensity	500 cd
Nominal luminous flux	210 lm
Rated luminous flux	210 lm
Color temperature	3000 K
Color rendering index Ra	90
Lumen main.fact.at end of nom.life time	0.70
Light color as per EN 12464-1	Warm White
Nominal useful luminous flux 90°	210 lm
Rated useful luminous flux 90°	210 lm
Rated peak intensity	530 cd

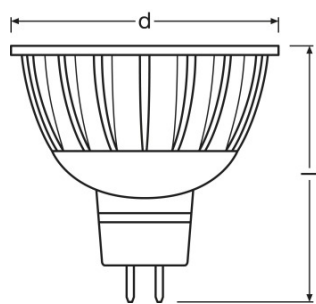
### Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.20 s
Starting time	0.2 s
Nominal beam angle	36.00 °
Rated beam angle (half peak value)	36.00 °

### Dimensions & weight

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Product datasheet



Product line drawing

Overall length	46.0 mm
Diameter	50.0 mm
Outer bulb	MR51
Length	46.0 mm
Maximum diameter	50.0 mm

Colors & materials

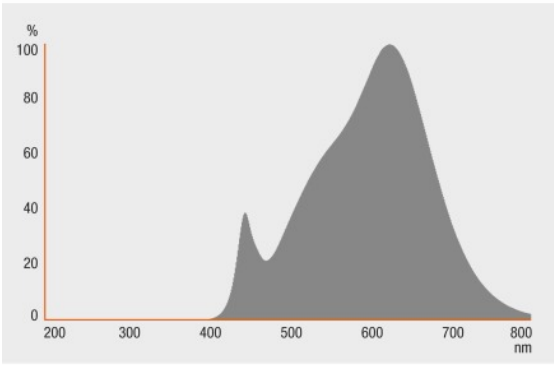
Lamp mercury content	0.0 mg
Mercury-free	Yes

Lifespan

Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	1000000

Additional product data

Product datasheet



Spectral power distribution

Base (standard designation)	GU5.3
Appropriate disposal acc. to WEEE	Yes
Footnote 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 <sup>1)</sup>
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<sup>1)</sup> With many common dimmers, see also [www.osram.com/dim](http://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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Product datasheet

Order reference	PPMR162036 5W/9
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Country specific information

Product code	METEL-Code	SEG number	STK number	UK Org
4008321972095	-	8334193	-	-
4052899904705	-	8334330	4730064	-

## Product datasheet



Guarantee

### Equipment / Accessories

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

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321972095	PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3	Folding carton box 1	52 mm x 52 mm x 53 mm	0.14 dm <sup>3</sup>	52.00 g
4008321972101	PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3	Shipping carton box 10	114 mm x 71 mm x 271 mm	2.19 dm <sup>3</sup>	670.00 g
4008321701374	PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3	Shipping carton box 90	290 mm x 241 mm x 361 mm	25.23 dm <sup>3</sup>	5855.00 g
4052899904705	PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3	Folding carton box 1	55 mm x 52 mm x 53 mm	0.15 dm <sup>3</sup>	44.00 g
4052899904767	PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3	Shipping carton box 10	71 mm x 114 mm x 271 mm	2.19 dm <sup>3</sup>	535.00 g
4008321841629	PARATHOM PRO MR16 20 36° ADV 5 W/930 GU5.3	Shipping carton box 90	- x - x -		

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](http://www.osram.com/DIM)

For further products and actual information concerning LED lamps see

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

For Guarantee see

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

Further information see

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

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## Disclaimer

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