

## P MR16 20 36° 2.9 W/827 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



## 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
Power factor $\lambda$	> 0,50

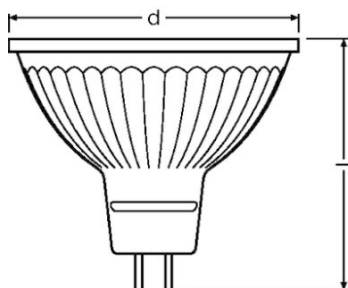
### Photometrical data

Luminous intensity	600 cd
Nominal luminous flux	230 lm
Rated luminous flux	230 lm
Rated color temperature	2700 K
Color rendering index Ra	$\geq 80$
Light color (designation)	Warm White
Standard deviation of color matching	$\leq 6$ sdcM
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
Color rendering index Ra	$\geq 80$

### 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

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

## Additional product data

Base (standard designation)	GU5.3
Mercury content	0,0 mg
Mercury-free	Si
Product remark	Tutti i parametri tecnici si applicano alla lampada completa. A causa del complesso processo di produzione dei diodi a emissione luminosa, i valori tipici forniti per i parametri LED tecnici sono puramente valori statistici che non corrispondono necessariamente ai parametri tecnici effettivi di ciascun prodotto singolo, che può variare dal valore tipico.

## Capabilities

Dimmable	No
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## Certificates & standards

Energy efficiency class	A+
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## Product datasheet

Energy consumption	3 kWh/1000h
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### Country specific categorizations

ILCOS	DRR-2,9/827-12-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
4052899957749	P MR16 20 36° 2.9 W/827 GU5.3	Shipping carton box 10 Pieces Folding carton box	257 mm x - x -	1.98 dm <sup>3</sup>	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](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)

### Disclaimer

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