

## PRODUCT DATASHEET

### P MR16 50 36 ° 8 W/4000 K GU5.3

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



#### Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- 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

#### Product features

- LED alternative to low voltage halogen lamps
- High color consistency:  $\leq 6$  SDCM
- Not dimmable
- Base: GU5.3
- Lamp made of glass



- Good quality of light; color rendering index  $R_a \geq 80$
- Lifetime: up to 15,000 h

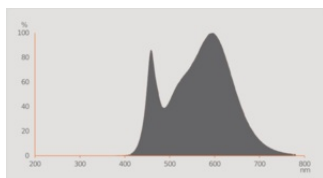
TECHNICAL DATA

Electrical data

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	50 W
Nominal current	720 mA
Type of current	AC/DC
Max. lamp no. on circuit break. 10 A (B)	22
Max. lamp no. on circuit break. 16 A (B)	36
Power factor $\lambda$	0.90

Photometrical data

Luminous intensity	1000 cd
Luminous flux	621 lm
Nominal useful luminous flux 90°	621 lm
Luminous efficacy	77 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	$\geq 80$
Light color	840
Standard deviation of color matching	$\leq 6$ sdc
Rated peak intensity	1000 cd
Rated LLMF at 6,000 h	0.80



Light technical data

Beam angle	36 °
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Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	46.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	46.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	102 °C

### Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

### Additional product data

Base (standard designation)	GU5.3
Mercury content	0.0 mg

### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	G
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

### Country-specific categorizations

Order reference	RLMR165036 8W/8
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### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU5.3
Correlated colour temperature type	SINGLE_VALUE

Length	46.00 mm
Height	51.00 mm
Width	51.00 mm
EPREL ID	523008

## EQUIPMENT / ACCESSORIES

- Equipped with high-power LEDs

## DOWNLOAD DATA

### Photometric and lighting design files



Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597197581	Folding box 1	49 mm x 49 mm x 62 mm	52.00 g	0.15 dm <sup>3</sup>
4008597597589	Shipping box 10	255 mm x 107 mm x 72 mm	573.00 g	1.96 dm <sup>3</sup>

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.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
- Further information see [www.ledvance.com/low-voltage-ledlamps](http://www.ledvance.com/low-voltage-ledlamps)

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