

# PRODUCT DATASHEET

## P MR16 50 36° 8 W/4000K GU5.3

PARATHOM DIM MR16 | Dimmable 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 outdoor luminaires only (minimum IP65)

### 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
- Stepless dimming
- Very high dimmer compatibility, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)
- Compatible with many common conventional and electronic control gears (see also compatibility list)
- Instant 100 % light, no warm-up time

### PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- High color consistency:  $\leq 5$  SDCM
- Dimmable
- Base: GU5.3



- Lamp made of glass
- Very high color rendering ( $R_a : 90$ )
- Lifetime: up to 25,000 h

## TECHNICAL DATA

### Electrical data

Rated wattage	8.00 W
Nominal wattage	8.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	50 W
Max. lamp no. on circuit break. 10 A (B)	22
Max. lamp no. on circuit break. 16 A (B)	36
Operating frequency	50/60 Hz
Power factor $\lambda$	> 0.80

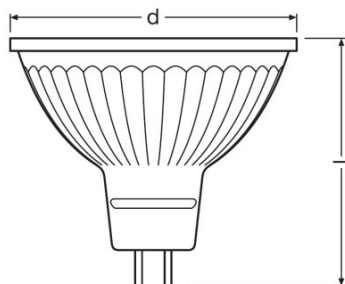
### Photometrical data

Nominal luminous flux	561 lm
Rated luminous flux	561 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	561 lm
Color rendering index $R_a$	$\geq 90$
Standard deviation of color matching	$\leq 5$ sdc
Rated color temperature	4000 K
Nominal useful luminous flux $90^\circ$	561 lm
Rated useful luminous flux $90^\circ$	561 lm
Rated peak intensity	1000 cd

### Light technical data

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

## Dimensions &amp; weight



<b>Overall length</b>	46.0 mm
<b>Diameter</b>	51.0 mm
<b>Outer bulb</b>	MR51
<b>Length</b>	46.0 mm
<b>Maximum diameter</b>	50.0 mm

## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	110 °C

## Lifespan

<b>Nominal lamp life time</b>	25000 h
<b>Rated lamp life time</b>	25000 h
<b>Number of switching cycles</b>	100000

## Additional product data

<b>Base (standard designation)</b>	GU5.3
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	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

## Capabilities

<b>Dimmable</b>	Yes
-----------------	-----

## Certificates &amp; standards

Energy efficiency class	A
Energy consumption	9 kWh/1000h

## Country-specific categorizations

Order reference	LPMR16D5036 8W/
-----------------	-----------------

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449428	Folding carton box 1	49 mm x 49 mm x 62 mm	50.00 g	0.15 dm <sup>3</sup>
4058075449435	Shipping carton box 10	255 mm x 107 mm x 72 mm	550.00 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 dimming conformity see

▶ [www.ledvance.com/dim](http://www.ledvance.com/dim)

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)

## DISCLAIMER

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