PRODUCT DATASHEET
P MR16 50 36° 7.8 W/2700 K GU5.3

PARATHOM MR16 DIM | Dimmable 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

- Very long lifetime of up to 25,000 h
- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Ideal for economical spotlighting

PRODUCT FEATURES

- Professional LED alternative to low voltage halogen lamps
- Good quality of light; color rendering index R_a: ≥ 80
- High color consistency: ≤ 5 SDCM
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Made in Germany (versions up to 35 W)
- Mercury-free lamps



© 2018, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

Rated wattage	7.80 W
Nominal wattage	7.80 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	50 W
Max. lamp no. on circuit break. 10 A (B)	20
Max. lamp no. on circuit break. 16 A (B)	33
Operating frequency	50…60 Hz
Power factor λ	> 0.50

Photometrical data

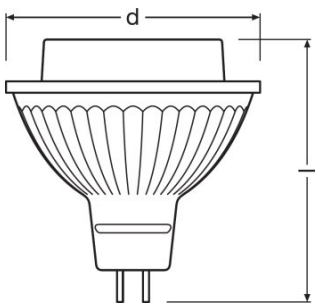
Luminous intensity [PIM]	1430 cd
Nominal luminous flux	621 lm
Rated luminous flux	621 lm
Rated color temperature	2700 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	621 lm
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Color rendering index Ra	≥80
Nominal useful luminous flux 90°	621 lm
Rated useful luminous flux 90°	621 lm
Rated peak intensity	1430 cd

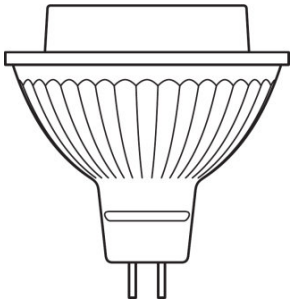
Light technical data

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

© 2018, LEDVANCE GmbH. All rights reserved.

Dimensions & weight





Overall length	53.0 mm
Diameter	51.0 mm
Outer bulb	MR51
Length	53.0 mm
Maximum diameter	51.0 mm

Temperatures & operating conditions

Maximum temperature at tc test point	90 °C

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	Yes
Show WEEE picto	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

Capabilities

Dimmable	Yes

Certificates & standards

Energy efficiency class	A+

© 2018, LEDVANCE GmbH. All rights reserved.

Energy efficiency class	A+
Energy consumption	8 kWh/1000h

Country-specific categorizations

ILCOS	DRR-7,8/827-12-GU5,3-50/36
Order reference	LPMR16D5036 7,8

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075095120	P MR16 50 36° 7.8 W/2700 K GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm^3	780.00 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 dimming conformity see
- www.ledvance.com/dim

For further products and actual information concerning LED lamps see
- www.ledvance.com/ledlamps

For Guarantee see
- www.ledvance.com/guarantee

Further information see
- 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.

© 2018, LEDVANCE GmbH. All rights reserved.