

# PRODUCT DATASHEET P MR16 35 36° 5 W/4000K 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  $R_a \ge 80$
- High color consistency:  $\leq$  5 SDCM
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Made in Germany (versions up to 35 W)
- Mercury-free lamps



# **TECHNICAL DATA**

## Electrical data

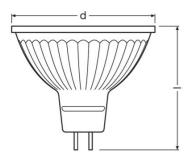
Rated wattage	5.00 W
Nominal wattage	5.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	35 W
Operating frequency	5060 Hz
Power factor λ	> 0.50

## Photometrical data

Nominal luminous flux	350 lm
Rated luminous flux	350 lm
Rated color temperature	4000 К
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 К
Luminous flux	350 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤5 sdcm
Color rendering index Ra	≥80
Nominal useful luminous flux 90°	350 lm
Rated useful luminous flux 90°	350 lm
Rated peak intensity	950 cd

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 °

## Dimensions & weight



Overall length	46.0 mm
Diameter	51.0 mm
Outer bulb	MR51
Length	46.0 mm
Maximum diameter	51.0 mm

## Temperatures & operating conditions

Maximum temperature at tc test point 80	80 °C
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## 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+	

#### PRODUCT DATASHEET

## Energy consumption

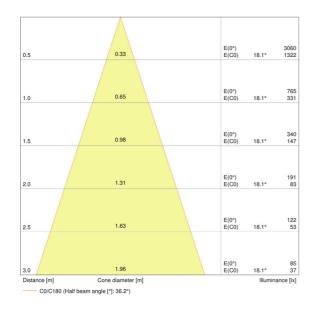
5 kWh/1000h

# Country-specific categorizations

Order reference

LPMR16D3536 5W/

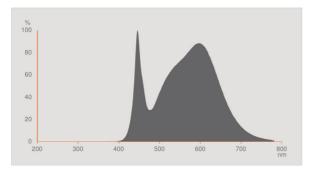
# Light Distribution



90° 75° 60° 60° 60° 

LDC typ cone

LDC typ polar



#### Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075094895	Folding carton box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm³
4058075094901	Shipping carton box 10	257 mm x 110 mm x 70 mm	498.00 g	1.98 dm³

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

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