

# PRODUCT DATASHEET

## PPRO MR16 35 36 ° 6.3 W/2700 K GU5.3

PARATHOM® PRO 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:  $\leq 3$  SDCM



- Dimmable
- Base: GU5.3
- Lamp made of glass
- Excellent color rendering (R<sub>a</sub>: 97)
- Lifetime: up to 40,000 h

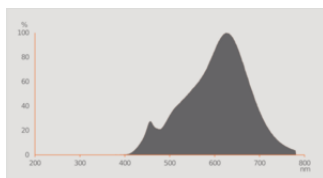
## TECHNICAL DATA

### Electrical data

Nominal wattage	6.3 W
Construction wattage	6.30 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	35 W
Nominal current	570 mA
Type of current	AC/DC
Inrush current	9.6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	25
Max. lamp no. on circuit break. 16 A (B)	40
Power factor $\lambda$	0.90

### Photometrical data

Luminous intensity	620 cd
Luminous flux	355 lm
Nominal useful luminous flux 90°	355 lm
Luminous efficacy	56 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	97
Light color	927
Standard deviation of color matching	$\leq 3$ sdcM
Rated peak intensity	620 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.2
Stroboscope effect metric (SVM)	0.4



### Light technical data

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

### Dimensions & Weight

Overall length	46.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	42.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	100 °C

### Lifespan

Nominal lamp life time	40000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

### Additional product data

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

### Capabilities

Dimmable	Yes
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### Certificates & Standards

Energy efficiency class	G 1)
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

Order reference	LPMR16D3536 6,3
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### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	GU5.3
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	Yes
Length	46.00 mm
Height	51.00 mm
Width	51.00 mm
Chromaticity coordinate x	0.455
Chromaticity coordinate y	0.405
R9 Colour rendering index	55
Beam angle	NARROW_CONE_90
Survival factor	0,9
Displacement factor	0.70
LED light source replaces a fluorescent light source	not applicable
EPREL ID	523031
Model number	AC32718

### DOWNLOAD DATA

## DOWNLOAD DATA



Declarations of conformity  
LED lamps MR16

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075609433	Folding box 1	49 mm x 49 mm x 62 mm	49.00 g	0.15 dm <sup>3</sup>
4058075609440	Shipping box 10	255 mm x 107 mm x 72 mm	543.00 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)

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