

# PRODUCT DATASHEET

## P MR11 20 36° 2.5 W/2700K GU4

PARATHOM MR11 12 V | Low-voltage LED reflector lamps MR11 with retrofit pin base



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### AREAS OF APPLICATION

- Display cabinets and shop windows
- Museums, art galleries
- Exhibition rooms
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- Long lifetime of up to 15,000 h
- Low energy consumption
- Easy relamping thanks to compact design and GU4 base

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### PRODUCT FEATURES

- Professional LED alternative to halogen MR11 lamps
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

Rated wattage	2.50 W
Nominal wattage	2.50 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Max. lamp no. on circuit break. 10 A (B)	35
Max. lamp no. on circuit break. 16 A (B)	55
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.50

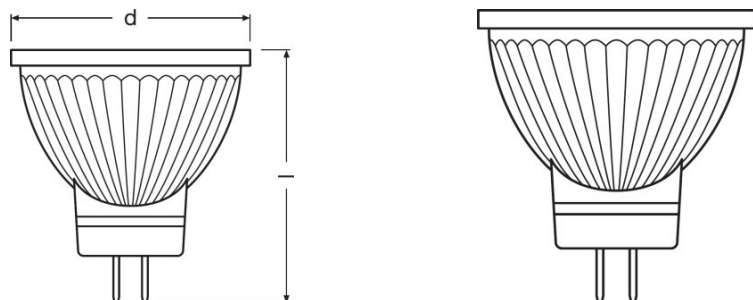
### Photometrical data

Nominal luminous flux	184 lm
Rated luminous flux	184 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	184 lm
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 6$ sdc
Color rendering index Ra	$\geq 80$
Nominal useful luminous flux 90°	184 lm
Rated useful luminous flux 90°	184 lm
Rated peak intensity	400 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 °

Dimensions & weight



<b>Overall length</b>	38.0 mm
<b>Diameter</b>	35.0 mm
<b>Outer bulb</b>	MR35
<b>Length</b>	38.0 mm
<b>Maximum diameter</b>	35.0 mm

Temperatures & operating conditions

<b>Maximum temperature at tc test point</b>	75 °C
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Lifespan

<b>Nominal lamp life time</b>	15000 h
<b>Rated lamp life time</b>	15000 h
<b>Number of switching cycles</b>	100000

Additional product data

<b>Base (standard designation)</b>	GU4
<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>	No
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Certificates & standards

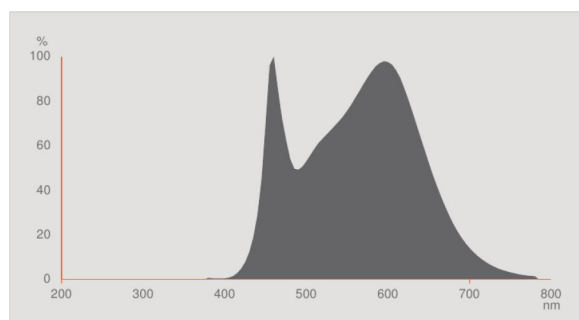
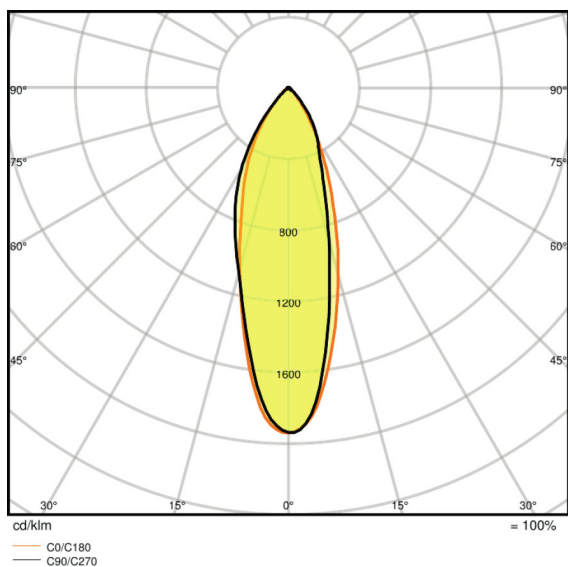
<b>Energy efficiency class</b>	A+
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<b>Energy consumption</b>	3 kWh/1000h
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Country-specific categorizations

<b>Order reference</b>	LEDPMR112036 2,
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Light Distribution



LDC typ polar

Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105195	Folding carton box 1	36 mm x 36 mm x 46 mm	22.00 g	0.06 dm <sup>3</sup>
4058075105201	Shipping carton box 10	188 mm x 78 mm x 55 mm	258.00 g	0.81 dm <sup>3</sup>
4058075131842	Shipping carton box 80	201 mm x 169 mm x 240 mm	2247.00 g	8.15 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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**DISCLAIMER**

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