

# PRODUCT DATASHEET

## P MR11 20 36° 3.2 W/2700K GU4

**PARATHOM DIM MR11 | Dimmable low-voltage LED reflector lamps MR11 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
- Dimmable
- Base: G4
- Lamp made of glass



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

## TECHNICAL DATA

### Electrical data

Rated wattage	3.20 W
Nominal wattage	3.20 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Max. lamp no. on circuit break. 10 A (B)	30
Max. lamp no. on circuit break. 16 A (B)	48
Operating frequency	50...60 Hz
Power factor $\lambda$	0.95

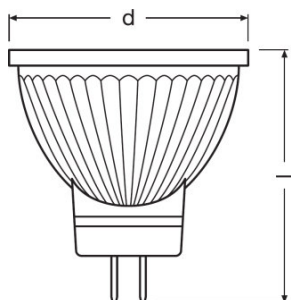
### Photometrical data

Luminous intensity [PIM]	400 cd
Nominal luminous flux	184 lm
Rated luminous flux	184 lm
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 $R_a$	$\geq 90$
Standard deviation of color matching	$\leq 6$ sdcn
Rated color temperature	2700 K
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>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	85 °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>	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>	Yes
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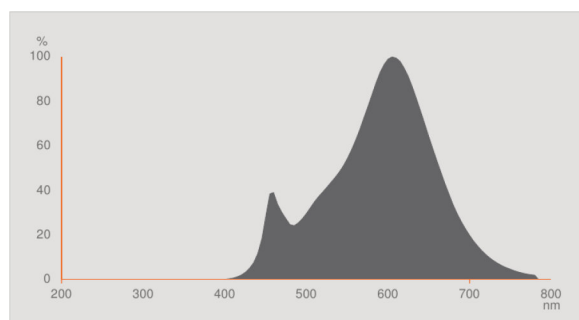
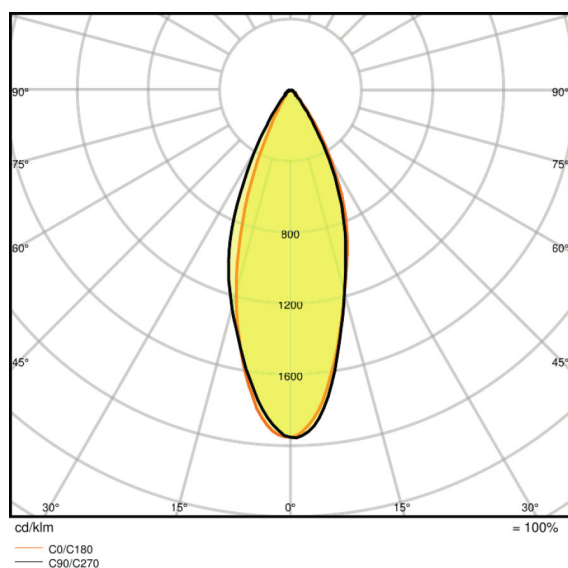
## Certificates & standards

Energy efficiency class	A+
Energy consumption	4 kWh/1000h

## Country-specific categorizations

ILCOS	DRR-3,3/827-12-GU4-35/36
Order reference	LPMR11D2036 3,2

## 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
4058075263925	Folding carton box 1	36 mm x 36 mm x 46 mm	24.00 g	0.06 dm <sup>3</sup>
4058075263932	Shipping carton box 10	188 mm x 78 mm x 55 mm	268.00 g	0.81 dm <sup>3</sup>
4058075284142	Shipping carton box 80	201 mm x 169 mm x 240 mm	2328.00 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)

For dimming conformity see

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

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