

## PRODUCT DATASHEET

### P MR11 20 36 ° 2.6 W/2700 K 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 suitable outdoor luminaires only

#### 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:  $\leq 6$  SDCM



- Dimmable
- Base: G4
- Lamp made of glass
- Very high color rendering CRI > 90
- Lifetime up to 25,000 h

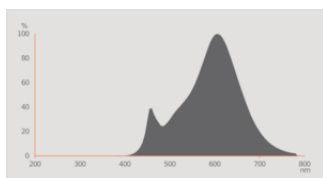
TECHNICAL DATA

Electrical data

Nominal wattage	2.6 W
Construction wattage	2.60 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Nominal current	235 mA
Type of current	AC
Inrush current	18 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Power factor $\lambda$	> 0.50

Photometrical data

Luminous intensity	400 cd
Luminous flux	184 lm
Nominal useful luminous flux 90°	184 lm
Luminous efficacy	70 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	≥80
Light color	827
Standard deviation of color matching	≤6 sdc
Rated peak intensity	400 cd
Rated LLMF at 6,000 h	0.80



Bridgelux 27E-13H-9B 2700K

Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	38.00 mm
Diameter	35,0 mm
Maximum diameter	35 mm
Product weight	16.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	83 °C

### Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

### Additional product data

Base (standard designation)	GU4
Mercury content	0.0 mg
Mercury-free	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
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### Certificates & Standards

Energy efficiency class	A+ <sup>1)</sup>
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB / EAC
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)





Country-specific categorizations

ILCOS	DRR-3,3/827-12-GU4-35/36
Order reference	LPMR11D2036 2,6

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU4
Length	38.00 mm
Height	35,0 mm
Width	35,0 mm

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	AC08767_MR11 DIM 20 36 2,6W 12V GU4
	LDT file (Eulumdat)	AC08767_MR11 DIM 20 36 2,6W 12V GU4
	Light distribution curve type polar	LPMR11D2036 2,6W 827 12V GU4 FS1 OSRAM
	Spectral power distribution	Bridgelux 27E-13H-9B 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075813458	Folding box 1	36 mm x 36 mm x 46 mm	21.00 g	0.06 dm <sup>3</sup>
4058075813465	Shipping box 10	188 mm x 78 mm x 55 mm	238.00 g	0.81 dm <sup>3</sup>
4058075031142	Shipping box 80	201 mm x 169 mm x 240 mm		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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