

## PRODUCT DATASHEET

### LED MR11 20 36° DIM P 3.2W 927 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

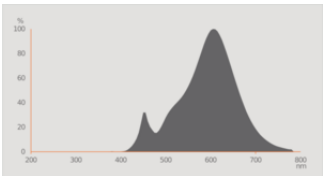
TECHNICAL DATA

Electrical data

Nominal wattage	3.2 W
Construction wattage	3.20 W
Nominal voltage	12 V
Operating mode	12V AC/DC
Claimed equiv. conventional lamp power	20 W
Nominal current	280 mA
Type of current	AC
Inrush current	8.6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	30
Max. lamp number on MCB B16 A	48
Power factor $\lambda$	$\geq 0.50$

Photometrical data

Luminous intensity	400 cd
Luminous flux	184 lm
Nominal useful luminous flux 90°	184 lm
Luminous efficacy	57 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	$\geq 90$
Light color	927
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Rated peak intensity	400 cd
Rated LLMF at 6,000 h	0.80

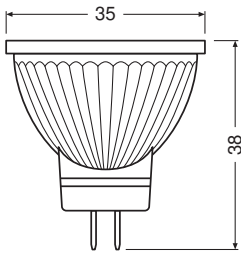


Everlight 67-23ST HKE 2700K

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	35.00 mm
Maximum diameter	35 mm
Product weight	19.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
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

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	G <sup>1)</sup>
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / CB
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations


Order reference	LPMR11D2036 3,2
-----------------	-----------------

### 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)	GU4
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	38.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1

Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
LED light source replaces a fluorescent light source	Yes
EPREL ID	522914
Model number	AC32693

## DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	LED lamp MR11

Photometric and lighting design files		Document name
	Spectral power distribution	Everlight 67-23ST HKE 2700K

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075636620	Folding box 1	36 mm x 36 mm x 46 mm	24.00 g	0.06 dm <sup>3</sup>
4058075636637	Shipping box 10	188 mm x 78 mm x 69 mm	273.00 g	1.01 dm <sup>3</sup>
4058075637474	Shipping box 80	201 mm x 169 mm x 240 mm	2327.00 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)

## DISCLAIMER

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