

## PRODUCT DATASHEET

### P MR16 50 36 ° 8 W/2700 K GU5.3

PARATHOM® MR16 | 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 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
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps

#### Product features

- LED alternative to low voltage halogen lamps
- High color consistency:  $\leq 6$  SDCM
- Not dimmable
- Base: GU5.3



- Lamp made of glass
- Good quality of light; color rendering index CRI  $\geq$  80
- Lifetime up to 15,000 h

---

**TECHNICAL DATA****Electrical data**

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	50 W
Nominal current	720 mA
Type of current	AC/DC
Inrush current	15.5 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	22
Max. lamp number on MCB B16 A	36
Power factor $\lambda$	0.90

**Photometrical data**

Luminous intensity	1000 cd
Luminous flux	621 lm
Nominal useful luminous flux 90°	621 lm
Luminous efficacy	77 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 sdcn
Rated peak intensity	1000 cd
Rated LLMF at 6,000 h	0.80

**Light technical data**

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

**Dimensions & Weight**

Overall length	46.00 mm
----------------	----------

Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	45.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	110 °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)	GU5.3
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	No
----------	----

### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations

Order reference	LPMR165036 8W/8
-----------------	-----------------

### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU5.3
---	-------

Correlated colour temperature type	SINGLE_VALUE
Length	46.00 mm
Height	50.00 mm
Width	50.00 mm
EPREL ID	1403205
Model number	AC24594

### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449404	Folding box 1	49 mm x 49 mm x 62 mm	52.00 g	0.15 dm <sup>3</sup>
4058075449411	Shipping box 10	255 mm x 107 mm x 72 mm	570.00 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 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)

### DISCLAIMER

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