

## PRODUCT DATASHEET

### ST MR16 12 V 50 36 ° 6.5 W/2700 K GU5.3

LED STAR MR16 12 V | Low-voltage LED reflector lamps MR16 with retrofit pin base



#### Areas of application

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Display cabinets and shop windows
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

#### Product features

- LED alternative to low voltage halogen lamps
- Mercury-free lamps



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## TECHNICAL DATA

### Electrical data

Nominal wattage	6.5 W
Construction wattage	6.50 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	50 W
Nominal current	590 mA
Rated lamp efficacy (HF data 25 °C)	76
Power factor $\lambda$	> 0.90

### Photometrical data

Luminous intensity	900 cd
Luminous flux	500 lm
Nominal useful luminous flux 90°	500 lm
Luminous efficacy	76 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 <sub>m</sub>
Rated peak intensity	900 cd
Rated LLMF at 6,000 h	0.80
Rated lamp efficacy (HF data 25 °C)	76

### Light technical data

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

### Dimensions & Weight

Overall length	45.00 mm
Diameter	50.80 mm
Maximum diameter	50 mm
Product weight	36.00 g

## Temperatures &amp; operating conditions

Ambient temperature range	-20...+40 °C
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## Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.80

## 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
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## Certificates &amp; Standards

Energy efficiency class	A+ <sup>1)</sup>
Energy consumption	6.50 kWh/1000h
Standards	CE / 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

Order reference	LED5MR165036 6,
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## Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU5.3
Length	45.00 mm
Height	50.80 mm
Width	50.80 mm

## Safety advice

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

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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075053007	Folding box 1	53 mm x 53 mm x 53 mm	51.00 g	0.15 dm <sup>3</sup>
4058075053014	Shipping box 10	276 mm x 116 mm x 67 mm	587.00 g	2.15 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.

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## 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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