

## PRODUCT DATASHEET

### SST MR16 20 36 ° 3.4 W/2700 K GU5.3

LED SUPERSTAR MR16 12 V | Dimmable 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

- Very long lifetime of up to 25,000 h
- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Ideal for economical spotlighting

#### Product features

- LED alternative to conventional low voltage lamps
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Mercury-free lamps



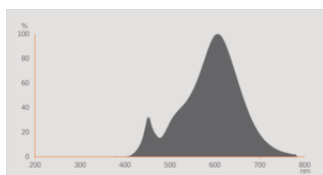
## TECHNICAL DATA

### Electrical data

Nominal wattage	3.4 W
Construction wattage	3.40 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Nominal current	530 mA
Type of current	AC/DC
Inrush current	14.3 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	29
Max. lamp no. on circuit break. 16 A (B)	48
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous intensity	560 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Luminous efficacy	67 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	≥90
Light color	927
Standard deviation of color matching	≤5 sdcn
Rated peak intensity	560 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	51,0 mm
Maximum diameter	51 mm
Product weight	35.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	77 °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	Yes
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**Certificates & Standards**

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

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

### Country-specific categorizations

Order reference	LSMR16D2036 3,4
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### 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	51,0 mm
Width	51,0 mm
EPREL ID	523025

### DOWNLOAD DATA

#### Documents and certificates



Declarations Of Conformity CE

#### Photometric and lighting design files



Spectral power distribution

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075431591	Blister 1	50 mm x 140 mm x 120 mm	49.00 g	0.84 dm <sup>3</sup>
4058075431799	Folding box 1	49 mm x 49 mm x 95 mm	45.00 g	0.23 dm <sup>3</sup>
4058075617209	Shipping box 6	159 mm x 110 mm x 70 mm	346.00 g	1.22 dm <sup>3</sup>
4058075431607	Shipping box 10	290 mm x 254 mm x 134 mm	616.00 g	9.87 dm <sup>3</sup>
4058075431805	Shipping box 10	257 mm x 110 mm x 70 mm	471.00 g	1.98 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 dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
  - 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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