

# PRODUCT DATASHEET

## SST MR16 20 36° 3.4 W/4000 K GU5.3

LED SUPERSTAR MR16 12 V | Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base



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### 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 applications only in suitable luminaires

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### 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

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### PRODUCT FEATURES

- LED alternative to conventional low voltage lamps
- Good quality of light; color rendering index  $R_a \geq 80$
- High color consistency:  $\leq 5$  SDCM
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Made in Germany (versions up to incl. 35 W)
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

Rated wattage	3.40 W
Nominal wattage	3.40 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	20 W
Max. lamp no. on circuit break. 10 A (B)	26
Max. lamp no. on circuit break. 16 A (B)	42
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous intensity [PIM]	600 cd
Nominal luminous flux	230 lm
Rated luminous flux	230 lm
Rated color temperature	4000 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	230 lm
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 5$ sdc
Color rendering index Ra	$\geq 80$
Nominal useful luminous flux 90°	230 lm
Rated useful luminous flux 90°	230 lm
Rated peak intensity	600 cd

### Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

Dimensions & weight



<b>Overall length</b>	46.0 mm
<b>Diameter</b>	51.0 mm
<b>Outer bulb</b>	MR51
<b>Length</b>	46.0 mm
<b>Maximum diameter</b>	51.0 mm

Temperatures & operating conditions

<b>Maximum temperature at tc test point</b>	69 °C
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Lifespan

<b>Nominal lamp life time</b>	25000 h
<b>Rated lamp life time</b>	25000 h
<b>Number of switching cycles</b>	100000

Additional product data

<b>Base (standard designation)</b>	GU5.3
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	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

<b>Dimmable</b>	Yes
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Certificates & standards

<b>Energy efficiency class</b>	A+
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<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	4 kWh/1000h

## Country-specific categorizations

<b>ILCOS</b>	DRR-3/840-12-GU5.3-50/36
<b>Order reference</b>	LSMR16D2036 3,4

## LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899390058	SST MR16 20 36° 3.4 W/4000 K GU5.3	Shipping carton box 10	290 mm x 254 mm x 134 mm	9.87 dm <sup>3</sup>	654.00 g

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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