

# PRODUCT DATASHEET

## SST MR16 50 36° 7.8 W/4000K 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 applications only in suitable luminaires

### 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
- Good quality of light; color rendering index  $R_a \geq 80$
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

Rated wattage	7.80 W
Nominal wattage	7.80 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	50 W
Max. lamp no. on circuit break. 10 A (B)	20
Max. lamp no. on circuit break. 16 A (B)	33
Power factor $\lambda$	0.50

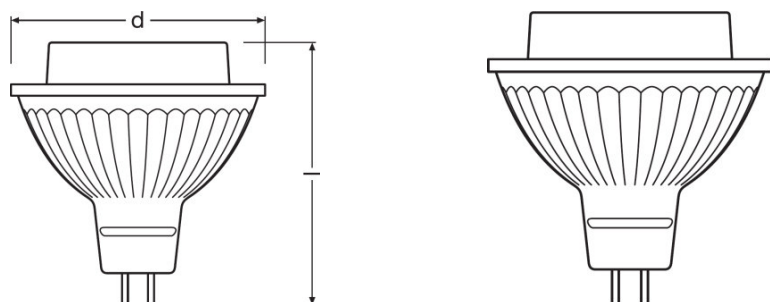
### Photometrical data

Luminous intensity [PIM]	1430 cd
Nominal luminous flux	621 lm
Rated luminous flux	621 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	621 lm
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 5$ sdcn
Color rendering index Ra	$\geq 80$
Nominal useful luminous flux 90°	621 lm
Rated useful luminous flux 90°	621 lm
Rated peak intensity	1430 cd

### Light technical data

Beam angle	36 °
Warm-up time (60 %)	1.00 s
Starting time	0.5 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

## Dimensions &amp; weight



Overall length	53.0 mm
Diameter	51.0 mm
Outer bulb	MR51
Length	53.0 mm
Maximum diameter	51.0 mm

## Temperatures &amp; operating conditions

Maximum temperature at tc test point	90 °C
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## Lifespan

Nominal lamp life time	25000 h
Rated lamp life time	25000 h
Number of switching cycles	100000

## Additional product data

Base (standard designation)	GU5.3
Mercury content	0.0 mg
Mercury-free	Yes
Show WEEE picto	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 &amp; standards

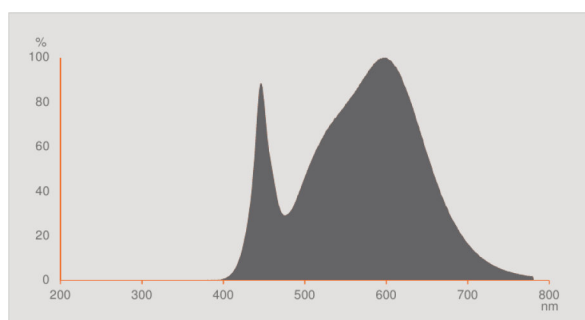
Energy efficiency class	A+
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<b>Energy consumption</b>	8 kWh/1000h
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## Country-specific categorizations

<b>ILCOS</b>	DRR-7,8/840-12-GU5,3-50/36
<b>Order reference</b>	LSMR16D5036 7,8

## Light Distribution



## Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899390119	Blister 1	50 mm x 140 mm x 120 mm	77.00 g	0.84 dm <sup>3</sup>
4052899390126	Shipping carton box 10	290 mm x 254 mm x 134 mm	960.00 g	9.87 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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## DISCLAIMER

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