

## LED STAR MR16 20 36° 4 W/827 GU5.3

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



### Areas of application

- As a downlight for marking walkways, doors, stairs, etc.
- Exhibitions, department stores
- Outdoor use in outdoor luminaires only (minimum IP65)
- Directional light sources
- Museums
- Hospitality
- Shops

### Product benefits

- Very low energy consumption
- Extremely long life
- No UV and near-IR radiation in the light beam
- Shockproof and vibration-proof
- Efficient generation of white light

### Product features

- Professional LED lamp
- Not dimmable
- Base: GU5.3
- Lifetime: up to 15,000 h
- Mercury-free lamps



## Technical data

### Electrical data

Rated wattage	3.50 W
Nominal wattage	3.50 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Operating frequency	50...60 Hz
Power factor $\lambda$	0.68

### Photometrical data

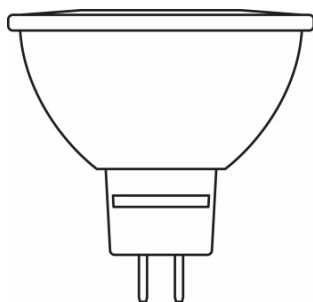
Luminous intensity	600 cd
Nominal luminous flux	210 lm
Rated luminous flux	210 lm
Color temperature	2700 K
Color rendering index Ra	80
Lumen main.fact.at end of nom.life time	0.70
Light color as per EN 12464-1	Warm White
Standard deviation of color matching	$\leq 6$ sdcn
Nominal useful luminous flux 90°	231 lm
Rated useful luminous flux 90°	231 lm
Rated peak intensity	600 cd

### Light technical data

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

### Dimensions & weight

## Product datasheet



<b>Overall length</b>	51.0 mm
<b>Diameter</b>	50.0 mm
<b>Outer bulb</b>	MR51
<b>Length</b>	51.0 mm
<b>Maximum diameter</b>	50.0 mm

### Lifespan

<b>Nominal lamp life time</b>	15000 h
<b>Rated lamp life time</b>	15000 h
<b>Number of switching cycles</b>	100000

### Additional product data

<b>Base (standard designation)</b>	GU5.3
<b>Lamp mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Appropriate disposal acc. to WEEE</b>	Yes
<b>Footnote only for product</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>	No
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### Certificates & standards

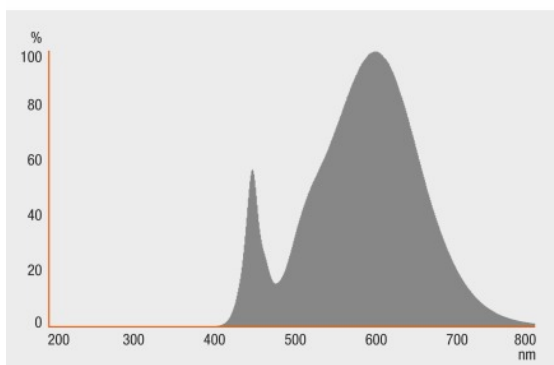
<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	5 kWh/1000h

### Country specific categorizations

## Product datasheet

<b>ILCOS</b>	DRR-4,5-12-GU5,3-50/36
<b>Order reference</b>	SMR162036 4,5W/

### Light Distribution



### Spectral power distribution

#### Equipment / Accessories

- Equipped with high-power LEDs
- Suitable for many commercially available conventional transformers

#### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4052899910485	LED STAR MR16 20 36° 4 W/827 GU5.3	Shipping carton box 6	134 mm x 154 mm x 319 mm	6.58 dm <sup>3</sup>	562.00 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 further products and actual information concerning LED lamps see

- ▶ [www.osram.com/ledlamps](http://www.osram.com/ledlamps)

## Product datasheet

For Guarantee see

▶ [www.osram.com/guarantee](http://www.osram.com/guarantee)

Further information see

▶ [www.osram.com/low-voltage-ledlamps](http://www.osram.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.