

## LED SUPERSTAR MR16 35 36° ADV 5.9 W/840 GU5.3

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



### Areas of application

- All domestic rooms, especially where the lamps are visible
- Dimmable installations
- Outdoor applications only in suitable luminaires
- Directional light sources
- Accent lighting

### 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

- Consumer LED lamp
- Dimmable (with many common dimmers, see also [www.osram.com/dim](http://www.osram.com/dim))
- Base: GU5.3
- Lifetime: up to 25,000 h
- Mercury-free lamps



## Technical data

### Electrical data

Rated wattage	5.90 W
Nominal wattage	5.90 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	35 W
Operating frequency	50...60 Hz
Power factor $\lambda$	0.70

### Photometrical data

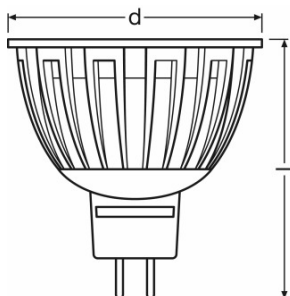
Luminous intensity	830 cd
Nominal luminous flux	400 lm
Rated luminous flux	400 lm
Color temperature	4000 K
Color rendering index Ra	80
Light color (designation)	Cool White
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Nominal useful luminous flux 90°	350 lm
Rated useful luminous flux 90°	350 lm
Rated peak intensity	950 cd

### Light technical data

Beam angle	36 °
Warm-up time (60 %)	0.20 s
Starting time	0.1 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

## Dimensions & weight

---



Overall length	51.0 mm
Diameter	50.0 mm
Outer bulb	MR51
Length	51.0 mm
Maximum diameter	50.0 mm

## Lifespan

Nominal lamp life time	25000 h
Rated lamp life time	25000 h
Number of switching cycles	100000
Lumen main.fact.at end of nom.life time	0.70

## Additional product data

Base (standard designation)	GU5.3
Lamp mercury content	0.0 mg
Mercury-free	Yes
Appropriate disposal acc. to WEEE	Yes

## Capabilities

Dimmable	Yes <sup>1)</sup>
----------	-------------------

<sup>1)</sup> With many common dimmers

## Certificates & standards

Energy efficiency class	A
Energy consumption	6 kWh/1000h

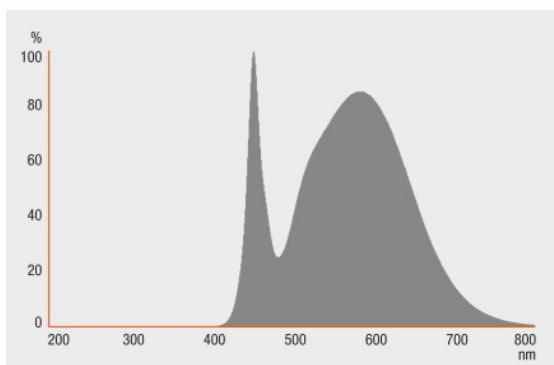
## Country specific categorizations

---

## Product datasheet

<b>ILCOS</b>	DRR-6,5-12-GU5,3-50/36
<b>Order reference</b>	SSTMR1635AD 5,9

### Light Distribution



Spectral power distribution

### Equipment / Accessories

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

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321882370	LED SUPERSTAR MR16 35 36° ADV 5.9 W/840 GU5.3	Shipping carton box 6	351 mm x 100 mm x 139 mm	4.88 dm <sup>3</sup>	645.00 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

## Product datasheet

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

For further products and actual information concerning LED lamps see

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

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)

---

### Disclaimer

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