

PRODUCT DATASHEET

ST MR16 50 36° 7.2 W/827 GU5.3

LED STAR MR16 12 V | 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

- Low energy consumption
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- Made in Germany (versions up to incl. 35 W)
- Mercury-free lamps



TECHNICAL DATA

Electrical data

| | |
|----------------------------------------|--------|
| Rated wattage | 7.20 W |
| Nominal wattage | 7.20 W |
| Nominal voltage | 12.0 V |
| Claimed equiv. conventional lamp power | 50 W |
| Power factor λ | 0.79 |

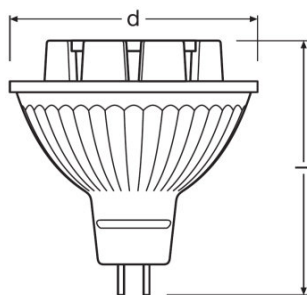
Photometrical data

| | |
|-----------------------------------------|---------------------------|
| Luminous intensity | 1430 cd |
| Nominal luminous flux | 621 lm |
| Rated luminous flux | 621 lm |
| Rated color temperature | 2700 K |
| Color rendering index Ra | ≥ 80 |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Standard deviation of color matching | ≤ 6 sdc _m |
| 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 | 0.0 s |
| Nominal beam angle | 36 ° |
| Rated beam angle (half peak value) | 36.00 ° |

Dimensions & weight



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

Lifespan

| | |
|-----------------------------------|---------|
| Nominal lamp life time | 15000 h |
| Rated lamp life time | 15000 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 | No |
|-----------------|----|

Certificates & standards

| | |
|--------------------------------|-------------|
| Energy efficiency class | A+ |
| Energy consumption | 8 kWh/1000h |

Country specific categorizations

| | |
|------------------------|----------------------------|
| ILCOS | DRR-7,2/827-12-GU5,3-50/36 |
| Order reference | STMR165036 7,2W |

LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|--------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899957794 | ST MR16 50 36° 7.2 W/827 GU5.3 | Shipping carton box 10 | 290 mm x 254 mm x 134 mm | 9.87 dm ³ | 1019.00 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.ledvance.com/ledlamps

For Guarantee see

- ▶ www.ledvance.com/guarantee

Further information see

- ▶ www.ledvance.com/low-voltage-ledlamps

DISCLAIMER

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