

PRODUCT DATASHEET

ST MR16 35 36 ° 3.8 W/2700 K 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 use in suitable outdoor luminaires only

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- 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
- Mercury-free lamps



TECHNICAL DATA**Electrical data**

Nominal wattage	3.8 W
Construction wattage	3.80 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	35 W
Nominal current	490 mA
Type of current	AC/DC
Inrush current	22 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	21
Max. lamp number on MCB B16 A	35
Power factor λ	> 0.50

Photometrical data

Luminous intensity	790 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	92 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	790 cd
Rated LLMF at 6,000 h	0.80



349927_2700K_Evl_5630.eps

Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	46.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	35.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	77 °C

Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	GU5.3
Mercury content	0.0 mg
Mercury-free	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
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Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

ILCOS	DRR-4,6/827-12-GU5,3-50/36
Order reference	LED5MR1635363,8


Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU5.3
Correlated colour temperature type	SINGLE_VALUE
Length	46.00 mm
Height	51.00 mm
Width	51.00 mm

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

Photometric and lighting design files		Document name
	Spectral power distribution	349927_2700K_Evl_5630.eps

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075431294	Blister 1	50 mm x 140 mm x 120 mm	49.00 g	0.84 dm ³
4058075431300	Shipping box 10	290 mm x 254 mm x 134 mm	608.00 g	9.87 dm ³

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

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