

# PRODUCT DATASHEET LED Star MR11 35 36° 4.2W 827 GU4

LED STAR MR11 12 V | LED reflector lamps



#### Areas of application

- Display cabinets and shop windows
- Museums, art galleries
- Exhibition rooms
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Outdoor use in suitable outdoor luminaires only

#### **Product benefits**

- Long lifetime of up to 15,000 h
- Lower energy consumption than incandescent or halogen lamps
- Easy relamping thanks to compact design and GU4 base

## Product features

- Professional LED alternative to halogen MR11 lamps
- Mercury-free lamps





# TECHNICAL DATA

# Electrical data

Nominal wattage	4.2 W
Construction wattage	4.20 W
Nominal voltage	12 V
Operating mode	CCG, ECG <sup>1)</sup>
Claimed equiv. conventional lamp power	35 W
Nominal current	500 mA
Type of current	AC/DC
Inrush current	< 18 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	32
Max. lamp number on MCB B16 A	40
Total harmonic distortion	< 120 %
Power factor $\lambda$	> 0.50

<sup>1)</sup> Check ECG compatibility at ledvance.com/compatibility

# Photometrical data

Luminous intensity	700 cd
Luminous flux	345 lm
Nominal useful luminous flux 90°	345 lm
Luminous efficacy	82 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 sdcm
Rated peak intensity	700 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST KKE 2700K

# Light technical data

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

# Dimensions & Weight

Overall length	38.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	17.5 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	94 °C

# Lifespan

Lifespan L70/B50 at 25 °C	15000 h
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)	GU4
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	
Capabilities		
Dimmable	No	
Certificates & Standards		
Energy efficiency class	F 1)	
Energy consumption	5.00 kWh/1000h	
Type of protection	IP20	
Standards	CE / UKCA / EAC	
Photobiological safety group acc. to EN62778	RG1	
Country-specific categorizations  Order reference	LEDSMR113536 4,	
_OGISTICAL DATA	EEDGIVII 11 10000 4,	
Temperature range at storage	-20+80 °C	
Energy labelling regulation data acc EU 2019/2015		
Lighting technology used	LED	
Non-directional or directional	DLS	
Mains or non-mains	NMLS	
Light source cap-type (or other electric interface)	GU4	
Connected light source (CLS)	No	
Color-tuneable light source	No	
Envelope	No	
High luminance light source	No	
Anti-glare shield	No	
Correlated colour temperature type	SINGLE_VALUE	
Standby power	0 W	
Networked standby power for CLS	0 W	
Claim of equivalent power	Yes	

38.00 mm

Length

Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	1403183,522965,1368219,2368080
Model number AC32697,AC45627,AC24562,AC45627,AC83954	

# Safety advice

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

## DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	MR11 M3 M2 GU4

Photometric and lighting design files Document name	
IES file (IES)	LEDPMR113536 4.2W 827 12V GU4
LDT file (Eulumdat)	LEDPMR113536 4,2W827 12V GU4
Light distribution curve type polar	LEDPMR113536 4,2W827 12V GU4
Spectral power distribution	Everlight 67-23ST KKE 2700K

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433380	Folding box	34 mm x 49 mm x 95 mm	25.50 g	0.16 dm <sup>3</sup>
4058075617056	Shipping box 6	121 mm x 109 mm x 104 mm	184.00 g	1.37 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075452930	Shipping box 80			
4058075617063	Shipping box 48	258 mm x 234 mm x 234 mm	2030.00 g	14.13 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 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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