

PRODUCT DATASHEET

ST GX53 25 100 ° 3.5 W/2700 K GX53

LED STAR GX53 | Flat LED Lamp with GX53 socket



Areas of application

- Area lighting
- As a downlight for marking walkways, doors, stairs, etc.
- Background lighting
- Domestic applications
- Entrance lighting
- Exhibitions, department stores
- For indoor use only
- Kitchen lighting
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Compact dimensions
- Easy installation
- Excellent luminous efficiency
- Good quality of light
- Low weight and low profile
- Three year guarantee
- Lower energy consumption than incandescent or halogen lamps

Product features

- 230 V line voltage operation
- High color consistency: ≤ 6 SDCM
- Not dimmable



- Type of protection: IP20
- Very long average lifetime: 15,000 h (15 years at 2.7 h per day)

TECHNICAL DATA

Electrical data

Nominal wattage	3.5 W
Construction wattage	3.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	25 W
Nominal current	30 mA
Type of current	AC
Inrush current	3.3 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	70
Max. lamp no. on circuit break. 16 A (B)	120
Power factor λ	> 0.50

Photometrical data

Luminous intensity	85 cd
Luminous flux	270 lm
Nominal useful luminous flux 90°	270 lm
Luminous efficacy	77 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 sdc
Rated peak intensity	85 cd
Rated LLMF at 6,000 h	0.80

Light technical data

Beam angle	100 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	31.00 mm
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Diameter	75.00 mm
Maximum diameter	75 mm
Product weight	46.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	53 °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)	GX53
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
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Certificates & Standards

Energy efficiency class	A+ ¹⁾
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB / EAC
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference	LSGX5325100 3,5
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GX53
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Length	31.00 mm
Height	75.00 mm
Width	75.00 mm

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105539	Blister 1	37 mm x 140 mm x 120 mm	58.00 g	0.62 dm ³
4058075105546	Shipping box 9	345 mm x 153 mm x 136 mm	743.00 g	7.18 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 Guarantee see www.osram-lamps.com/guarantee

DISCLAIMER

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