

## PRODUCT DATASHEET

### ST GX53 40 120 ° 4.9 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

#### Product features

- 230 V line voltage operation
- High color consistency:  $\leq 6$  SDCM
- Not dimmable
- Type of protection: IP20



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

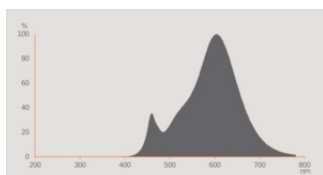
TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	40 mA
Type of current	AC
Inrush current	3.24 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	23
Max. lamp no. on circuit break. 16 A (B)	37
Total harmonic distortion	73.70 %
Power factor $\lambda$	> 0.40

Photometrical data

Luminous flux	470 lm
Luminous efficacy	95 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	$\leq 6$ sdc <sub>m</sub>
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	$\leq 1$
Stroboscope effect metric (SVM)	$\leq 0.4$



**Light technical data**

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

**Dimensions & Weight**

Overall length	28.00 mm
Diameter	75,0 mm
Maximum diameter	74 mm
Product weight	28.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C

**Lifespan**

Lifespan	15000 h <sup>1)</sup>
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

<sup>1)</sup> L70/B50

**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
----------	----

**Certificates & Standards**

Energy efficiency class	F <sup>1)</sup>
Energy consumption	5.00 kWh/1000h

Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

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

### Country-specific categorizations

Order reference	LSGX5340120 4,9
-----------------	-----------------

### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
------------------------------	--------------

### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	GX53
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
Length	28.00 mm
Height	75,0 mm
Width	75,0 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	✘0.4
LED light source replaces a fluorescent light source	No
EPREL ID	1403180,522969,1368232

Model number	AC32710,AC45702,AC24559
--------------	-------------------------

**DOWNLOAD DATA**

**Documents and certificates**



Declarations Of Conformity CE

**Photometric and lighting design files**



Spectral power distribution

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433441	Folding box 1	30 mm x 76 mm x 130 mm	39.00 g	0.30 dm <sup>3</sup>
4058075617100	Shipping box 6	198 mm x 88 mm x 139 mm	280.00 g	2.42 dm <sup>3</sup>
4058075452961	Shipping box 80			
4058075617117	Shipping box 48	368 mm x 214 mm x 304 mm	3040.00 g	23.94 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 Guarantee see [www.osram-lamps.com/guarantee](http://www.osram-lamps.com/guarantee)

**DISCLAIMER**

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