

## PRODUCT DATASHEET

### LED Star GX53 40 120° 4.9W 840 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)

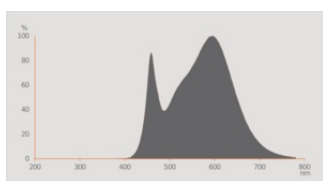
## TECHNICAL DATA

### Electrical data

|  |             |
|--|-------------|
| Nominal wattage                          | 4.9 W       |
| Construction wattage                     | 4.90 W      |
| Nominal voltage                          | 220...240 V |
| Operating mode                           | AC Mains    |
| 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)               | Cool White    |
| Color temperature                       | 4000 K        |
| Color rendering index Ra                | 80            |
| Light color                             | 840           |
| Standard deviation of color matching    | $\leq 6$ sdcn |
| 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 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) | 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 1)           |
| 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                            | 0.382                  |
| Chromaticity coordinate y                            | 0.380                  |
| 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   | 1403181,522970,1368233 |

|              |                         |
|--------------|-------------------------|
| Model number | AC32711,AC45703,AC24560 |
|--------------|-------------------------|

**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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075433465 | Folding box<br>1             | 30 mm x 76 mm x 130 mm               | 39.00 g      | 0.30 dm <sup>3</sup>  |
| 4058075617131 | Shipping box<br>6            | 198 mm x 88 mm x 139 mm              | 280.00 g     | 2.42 dm <sup>3</sup>  |
| 4058075452978 | Shipping box<br>80           |                                      |              |                       |
| 4058075617148 | Shipping box<br>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.