PRODUCT DATASHEET

LED Star GX53 40 120° 4.9W 840 Frosted 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)

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TECHNICAL DATA

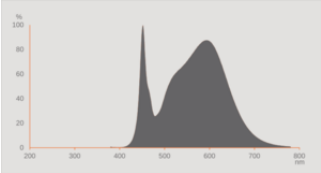
Electrical data

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	1.28 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	233
Max. lamp number on MCB B16 A	372
Maximum total harmonic distortion	152 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

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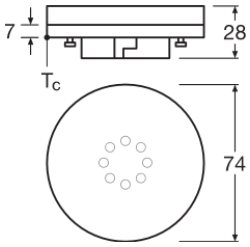


EPREL data spectral diagram PROF LEDr 4000K

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	74.00 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	78 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

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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 / UKCA
Photobiological safety group acc. to EN62778	RG1

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

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Claim of equivalent power	Yes
Length	28.00 mm
Height	74.00 mm
Width	74.00 mm
Chromaticity coordinate x	0.382
Chromaticity coordinate y	0.380
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.50
LED light source replaces a fluorescent light source	No
EPREL ID	1403181,522970,1368233,2501410
Model number	AC32711,AC45703,AC24560,AC45703,AC45703,AC91853

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	PAR16 and GX53
PDF	Declarations of conformity	LSGX5340120
PDF	Declarations of conformity UKCA	LSGX5340120

	Photometric and lighting design files	Document name
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433465	Folding box 1	30 mm x 76 mm x 130 mm	39.00 g	0.30 dm^3
4058075617131	Shipping box 6	198 mm x 88 mm x 139 mm	300.00 g	2.42 dm^3
4058075452978	Shipping box 80			

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075617148	Shipping box 48	368 mm x 214 mm x 304 mm	3040.00 g	23.94 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

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