



# MASTER SDW-TG Mini

## MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12

Range of high-efficiency, discharge lamps with warm color to be used in small, open luminaires designed around MASTERcolour CDM-T lamps

### Warnings and Safety

- Use only with dedicated Philips control gear
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

### Product data

General Information	
Cap-Base	GX12-1 [ GX12-1]
Operating Position	UNIVERSAL [ Any or Universal (U)]
Life to 5% Failures (Nom)	5000 h
Life to 20% Failures (Nom)	8000 h
Life to 50% Failures (Nom)	10000 h
ANSI Code HID	S167
System Description	-

Light Technical	
Color Code	825 [ CCT of 2500K]
Luminous Flux (Rated) (Min)	4400 lm
Luminous Flux (Rated) (Nom)	5300 lm
Color Designation	Golden White
Lumen Maintenance 10000 h (Min)	65 %
Lumen Maintenance 10000 h (Nom)	75 %
Lumen Maintenance 2000 h (Min)	85 %

Lumen Maintenance 2000 h (Nom)	95 %
Lumen Maintenance 5000 h (Min)	75 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	469
Chromaticity Coordinate Y (Nom)	406
Correlated Color Temperature (Nom)	2500 K
Luminous Efficacy (rated) (Nom)	52 lm/W
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82

Operating and Electrical	
Power (Nom)	102.0 W
Lamp Current Run-Up (Max)	2.4 A
Ignition Peak Voltage (Max)	4000 V
Ignition Supply Voltage (Min)	205 V
Re-Ignition Time (Min) (Max)	1.5 min
Ignition Time (Max)	60 s

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Voltage (Max)	98 V
Voltage (Min)	84 V
Voltage (Nom)	91 V

## Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	2 min

## Mechanical and Housing

Bulb Finish	Clear
Bulb Material	-

## Approval and Application

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	15.2 mg
Energy Consumption kWh/1000 h	109 kWh

## Luminaire Design Requirements

Bulb Temperature (Max)	650 °C
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Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C

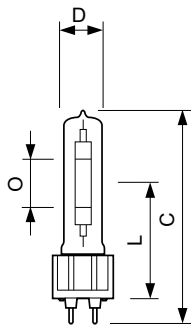
## Initial Performance (IEC Compliant)

Init. Color Rendering Index	82
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## Product Data

Full product code	871150020233815
Order product name	MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12
EAN/UPC - Product	8711500202338
Order code	928158905131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928158905131
Net Weight (Piece)	0.030 kg
ILCOS Code	STH-100/25/1B-GX12-1

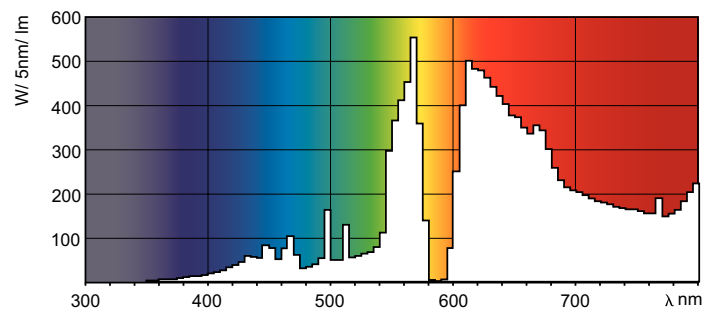
## Dimensional drawing



SDW-TG 100W/825 GX12-1

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12	20 mm	0.75 in	18 mm	54.5 mm	57.5 mm	56 mm	110 mm

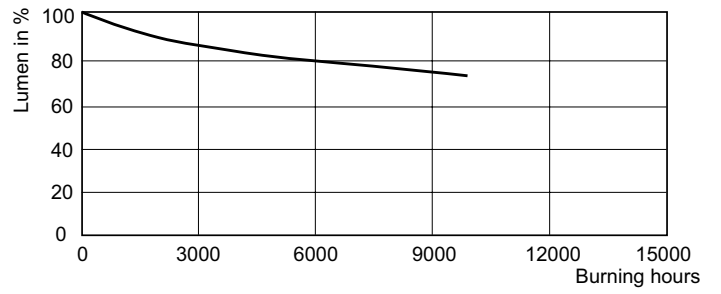
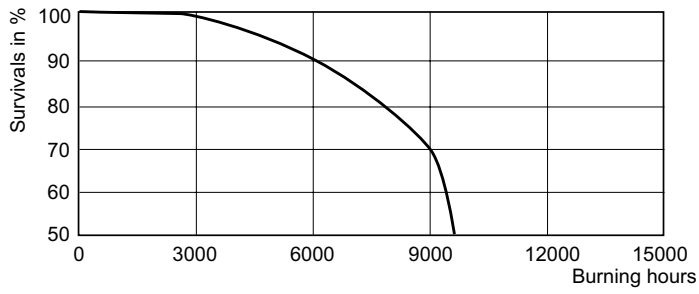
## Photometric data



LDPO\_SDW-TG-Spectral power distribution Colour

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## Lifetime



LDLM\_SDW-TG\_100W\_825-Lumen maintenance diagram

