



# MASTER SDW-TG Mini

## MST SDW-TG MINI 100W/825 GX12-1 1CT/12

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

### Product data

General Information	
Cap base	GX12-1 [ GX12-1]
Burning Position	UNIVERSAL [ Any/Universal]
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	na [ -]

Light Technical	
Colour Code	825 [ CCT of 2,500 K]
Lamp Luminous Flux (Min)	4400 lm
Lamp Luminous Flux (Nom)	4900 lm
Colour Designation	Golden White
Lumen maintenance 10,000 hours (min.)	65 %
Lumen maintenance 10,000 hours (nom.)	75 %
Lumen maintenance 2,000 hours (min.)	85 %
Lumen maintenance 2,000 hours (nom.)	95 %
Lumen maintenance 5,000 hours (min.)	75 %
Lumen maintenance 5,000 hours (nom.)	80 %
Chromaticity coordinate X (nom.)	469
Chromaticity coordinate Y (nom.)	406

Colour Temperature, horizontal (Nom)	2500 K
Lamp Luminous Efficacy EM (Nom)	50 lm/W
Colour Rendering Index,horiz (Min)	80
Colour Rendering Index,horiz (Nom)	83

Operating and Electrical	
Power (Rated) (Nom)	99.0 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
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

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Bulb material	-
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## 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
Cap base temperature (max.)	280 °C
Pinch temperature (max.)	350 °C

## Product Data

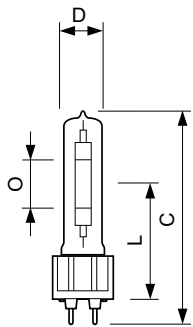
Full product code	871150020233815
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Order product name	MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12
EAN/UPC – product	8711500202338
Order code	20233815
Local Code	9281-589-05131
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928158905131
Net weight (piece)	0.030 kg
ILCOS Code	STH-100/25/1B-GX12-1

## 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.

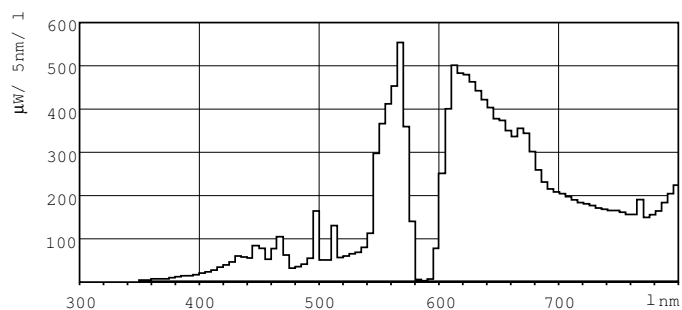
## Dimensional drawing



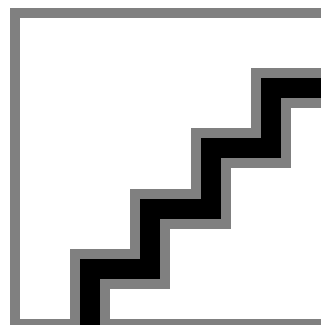
SDW-TG 100W/825 GX12-1

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTER SDW-TG Mini 100W/825 GX12-11CT/12	20 mm	0.75 in	18 mm	54.5 mm	57.5 mm	56 mm	110 mm

## Photometric data



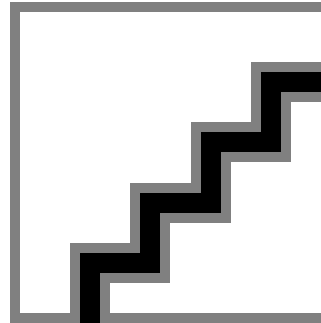
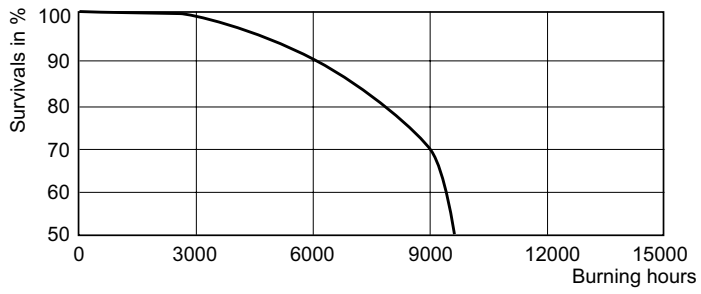
MASTER SDW-TG



LDPO\_SDW-TG-Spectral power distribution Colour

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## Lifetime



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

