

# PHILIPS

## Lighting



# 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]
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	na [ -]

Light Technical	
Colour Code	825 [ CCT of 2500K]
Luminous Flux (Rated) (Min)	4400 lm
Luminous Flux (Rated) (Nom)	4900 lm
Colour 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

Colour Temperature, horizontal (Nom)	2500 K
Luminous Efficacy (rated) (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

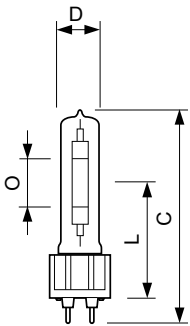
# MASTER SDW-TG Mini

Bulb Material	-
<b>Approval and Application</b>	
Energy Efficiency Label	B
Mercury (Hg) Content (Nom)	15.2 mg
Energy Consumption kWh/1000 h	109 kWh
<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	650 °C
Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C

<b>Product Data</b>	
Full product code	871150020233815
Order product name	MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12
EAN/UPC - Product	8711500202338
Order code	20233815
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

## Warnings and Safety

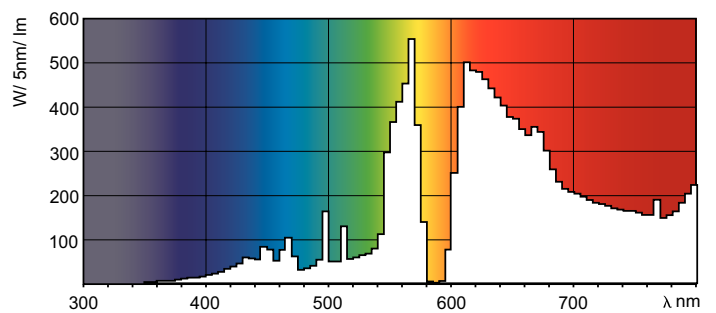
### Dimensional drawing



SDW-TG 100W/825 GX12-1

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

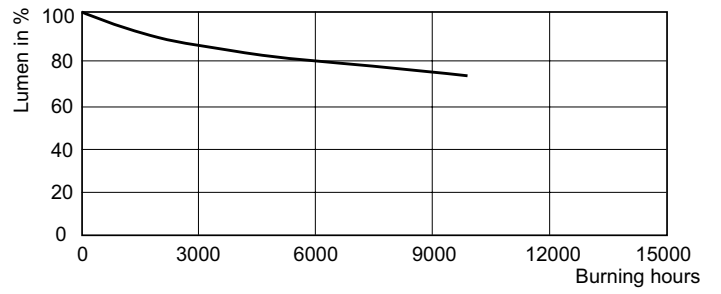
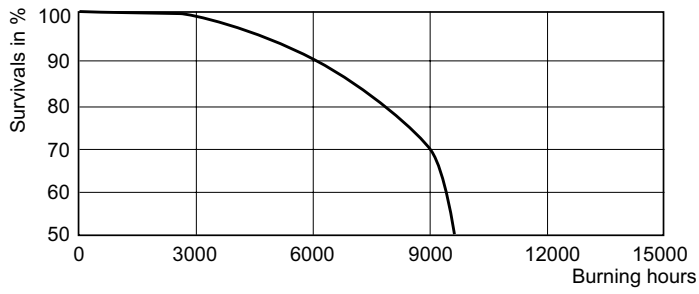
### Photometric data



LDPO\_SDW-TG-Spectral power distribution Colour

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## Lifetime



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

