

# PHILIPS

## Lighting



# MASTER SDW-TG Mini

## MST SDW-TG MINI 50W/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/Universal]
Life to 5% failures (nom.)	7000 h
Life to 20% failures (nom.)	9000 h
Life to 50% failures (nom.)	10000 h
ANSI code HID	-
System description	na [-]

Light Technical	
Colour code	825 [ CCT of 2,500 K]
Luminous flux (rated) (min.)	2100 lm
Luminous flux (rated) (nom.)	2400 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.)	85 %
Chromaticity coordinate X (nom.)	468
Chromaticity coordinate Y (nom.)	408

Correlated Colour Temperature (Nom)	2500 K
Luminous efficacy (rated) (nom.)	44 lm/W
Color rendering index (min.)	80
Color rendering index (nom.)	81

Operating and Electrical	
Power (Rated) (Nom)	54.0 W
Lamp current run-up (max.)	1.6 A
Ignition peak voltage (max.)	4000 V
Ignition supply voltage (min.)	205 V
Re-ignition time (min.) (max.)	1.0 min
Ignition time (max.)	60 s
Voltage (Max)	90 V
Voltage (Min)	78 V
Voltage (Nom)	85 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.)	5.7 mg
Energy Consumption kWh/1000 h	59 kWh

## Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Cap base temperature (max.)	280 °C
Pinch temperature (max.)	350 °C

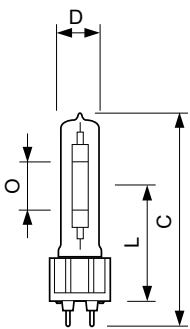
## Product Data

Full product code	871150020323615
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Order product name	MASTER SDW-TG Mini 50W/825 GX12-1 1CT/12
EAN/UPC – product	8711500203236
Order code	20323615
Local Code	50SDWTG
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928159905131
Net weight (piece)	0.034 kg
ILCOS Code	STH-50/25/1B-GX12-1

## Warnings and Safety

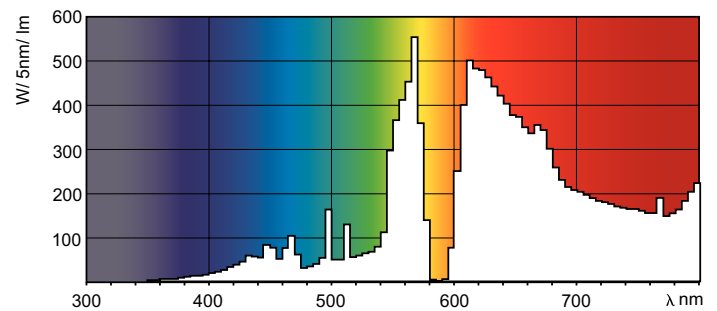
### Dimensional drawing



SDW-TG 50W/825 GX12-1

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTER SDW-TG	20 mm	0.75 in	14.5	53.5 mm	56.5 mm	55 mm	103 mm
Mini 50W/825			mm				
GX12-11CT/12							

### Photometric data

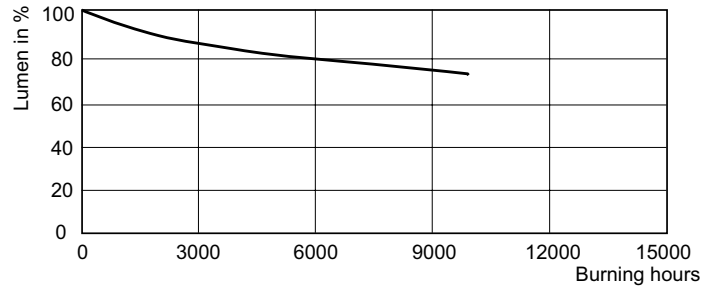


LDPO\_SDW-TG-Spectral power distribution Colour

MASTER SDW-TG

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## Lifetime



LDLM\_SDW-TG\_50W\_825-Lumen maintenance diagram

