



# Product Description

## MASTER SDW-TG Mini

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

### Benefits

- Exceptional brightness and colour rendering especially of warm colours, e.g. red and gold
- High lamp efficacy results in low operating costs and low heat generation
- Long lamp life compared with incandescent and halogen lamps

### Features

- Warm white colour impression, very good colour rendering, especially superb red rendition
- Lamp design is well-suited to be used in luminaires for MASTER Colour CDM-T power-spots
- UV-block glass

### Application

- Shop lighting (create cosy atmosphere e.g. in furniture shops), excellent display of fresh goods (at butchers, bakeries, flower-shops)

### Warnings and Safety

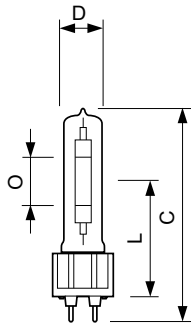
- Use only with dedicated Philips control gear
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling.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

# MASTER SDW-TG Mini

## Versions



## Dimensional drawing



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	110 mm
MASTER SDW-TG Mini 50W/825 GX12-11CT/12	20 mm	0.75 in	14.5	53.5 mm	56.5 mm	55 mm	103 mm

# MASTER SDW-TG Mini

## Controls and Dimming

Dimmable	No
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## General Information

Cap-Base	GX12-1
Life To 50% Failures (Nom)	10000 h
Operating Position	UNIVERSAL
System Description	na

## Light Technical

Chromaticity Coordinate X (Nom)	0.478
Chromaticity Coordinate Y (Nom)	0.415
Colour Code	825
Colour Designation	Golden White
Correlated Colour Temperature (Nom)	2500 K
Colour Rendering Index (Min)	80
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 %

## Mechanical and Housing

Bulb Finish	Clear
Bulb Material	-
Bulb Shape	T19

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
20233815	MST SDW-TG MINI 100W/825 GX12-1 1CT/12	102 kWh	15.2 mg	15.2 mg
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	54 kWh	5.7 mg	5.7 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
20233815	MST SDW-TG MINI 100W/825 GX12-1 1CT/12	98 V	84 V	91 V	102.0 W

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	90 V	78 V	85 V	54.0 W

## Operating and Electrical (2/2)

Order Code	Full Product Name	Re-Ignition Time (Min) (Max)
20233815	MST SDW-TG MINI 100W/825 GX12-1 1CT/12	1.5 min

Order Code	Full Product Name	Re-Ignition Time (Min) (Max)
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	1.0 min

## General Information

Order Code	Full Product Name	Life To 20% Failures (Nom)	Life To 5% Failures (Nom)
20233815	MST SDW-TG MINI 100W/825 GX12-1 1CT/12	8000 h	5000 h

Order Code	Full Product Name	Life To 20% Failures (Nom)	Life To 5% Failures (Nom)
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	9000 h	7000 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
20233815	MST SDW-TG MINI 100W/825 GX12-1 1CT/12	650 °C

Order Code	Full Product Name	Bulb Temperature (Max)
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	500 °C

# MASTER SDW-TG Mini

## Light Technical (1/2)

Order Code	Full Product Name	Colour		Luminous Efficacy	
		Rendering Index (Nom)	Maintenance 5000 h (Nom)	(rated) (Nom)	Luminous Flux (Nom)
20233815	MST SDW-TG MINI	82	80 %	52 lm/W	5300 lm

Order Code	Full Product Name	Colour		Luminous Efficacy	
		Rendering Index (Nom)	Maintenance 5000 h (Nom)	(rated) (Nom)	Luminous Flux (Nom)
	100W/825 GX12-1 1CT/12				
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	81	85 %	44 lm/W	2400 lm

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	
		(Rated) (Min)	(Rated) (Nom)
20233815	MST SDW-TG MINI 100W/825 GX12-1 1CT/12	4400 lm	5300 lm

Order Code	Full Product Name	Luminous Flux	
		(Rated) (Min)	(Rated) (Nom)
20323615	MST SDW-TG MINI 50W/825 GX12-1 1CT/12	2100 lm	2400 lm

