



MASTER SDW-TG Mini

MST 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		Lumen maintenance 10,000 hours (nom.)	
Cap base	GX12-1 [GX12-1]	75 %	
Operating position	UNIVERSAL [Any or Universal (U)]	Lumen maintenance 2,000 hours (min.)	85 %
Life to 5% failures (nom.)	5000 h	Lumen maintenance 2,000 hours (nom.)	95 %
Life to 20% failures (nom.)	8000 h	Lumen maintenance 5,000 hours (min.)	75 %
Life to 50% failures (nom.)	10000 h	Lumen maintenance 5,000 hours (nom.)	80 %
ANSI code HID	S167	Chromaticity coordinate X (nom.)	0.478
System description	na [-]	Chromaticity coordinate Y (nom.)	0.415
	Sphere	Correlated Colour Temperature (Nom)	2500 K
		Luminous efficacy (rated) (nom.)	52 lm/W
		Colour-rendering index (min.)	80
		Colour rendering index (nom.)	82
Light Technical		Operating and Electrical	
Colour Code	825 [CCT of 2,500 K]	Power (Rated) (Nom)	102.0 W
Luminous flux (nom.)	5300 lm	Lamp current run-up (max.)	2.4 A
Luminous flux (rated) (min.)	4400 lm	Ignition peak voltage (max.)	4000 V
Luminous flux (rated) (nom.)	5300 lm	Ignition supply voltage (min.)	205 V
Colour designation	Golden White		
Lumen maintenance 10,000 hours (min.)	65 %		

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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

Lamp Finish	Clear
Bulb material	-
Bulb shape	T19 [T 19mm]

Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	15.2 mg
Mercury (Hg) content (nom.)	15.2 mg
Energy consumption kWh/1,000 hours	102 kWh
	473402

Luminaire Design Requirements

Bulb temperature (max.)	650 °C
Cap-base temperature (max.)	280 °C
Pinch temperature (max.)	350 °C

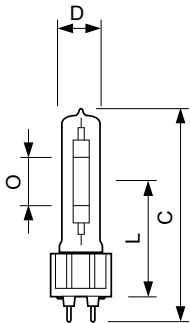
Initial Performance (IEC Compliant)

Init. Colour 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	20233815
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928158905131
SAP net weight (piece)	0.030 kg
ILCOS code	STH-100/25/1B-GX12-1

Dimensional drawing

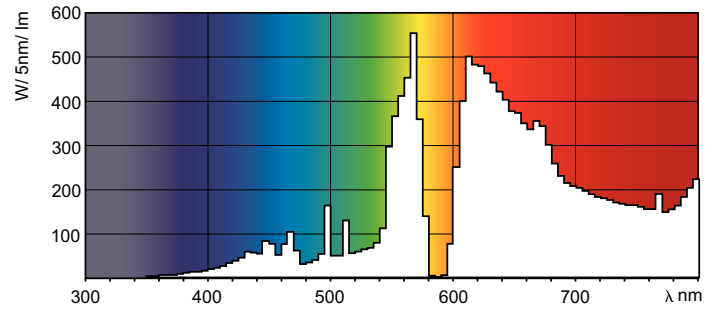


SDW-TG 100W/825 GX12-1

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

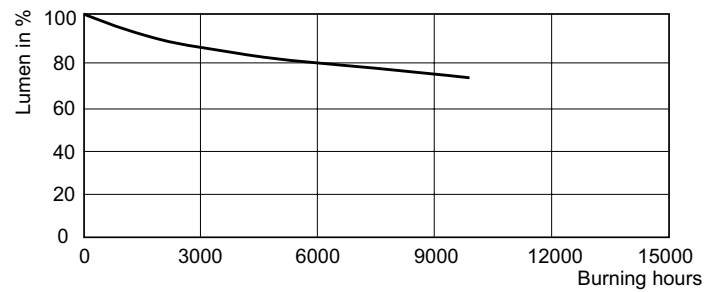
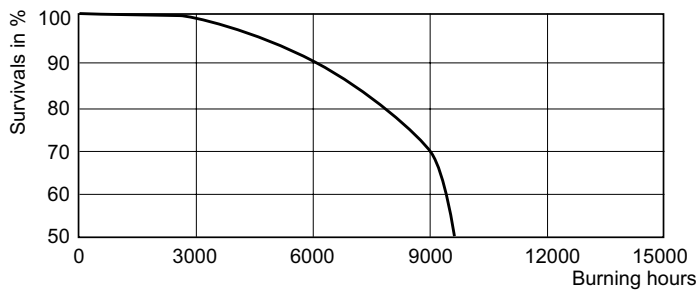
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Photometric data



LDPO_SDW-TG-Spectral power distribution Colour

Lifetime



LDLM_SDW-TG_100W_825-Lumen maintenance diagram

