



MASTER SDW-TG Mini



MASTER 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 10000 h (Nom)	
Cap-Base	GX12-1 [GX12-1]	Lumen Maintenance 2000 h (Min)	75 %
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 2000 h (Nom)	85 %
Life to 5% Failures (Nom)	5000 h	Lumen Maintenance 5000 h (Min)	95 %
Life to 20% Failures (Nom)	8000 h	Lumen Maintenance 5000 h (Nom)	75 %
Life to 50% Failures (Nom)	10000 h	Chromaticity Coordinate X (Nom)	80 %
ANSI Code HID	S167	Chromaticity Coordinate Y (Nom)	0.478
System Description	-	Correlated Color Temperature (Nom)	0.415
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	2500 K
		Color Rendering Index (Min)	52 lm/W
		Color Rendering Index (Nom)	80
			82
Light technical		Operating and electrical	
Color Code	825 [CCT of 2500K]	Power (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
Color Designation	Golden White		
Lumen Maintenance 10000 h (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

Bulb 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/1000 h	102 kWh
EPREL Registration Number	473402

Luminaire design requirements

Bulb Temperature (Max)	650 °C
Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C

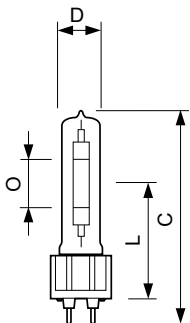
Initial performance (IEC compliant)

Init. Color 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	928158905131
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

Dimensional drawing

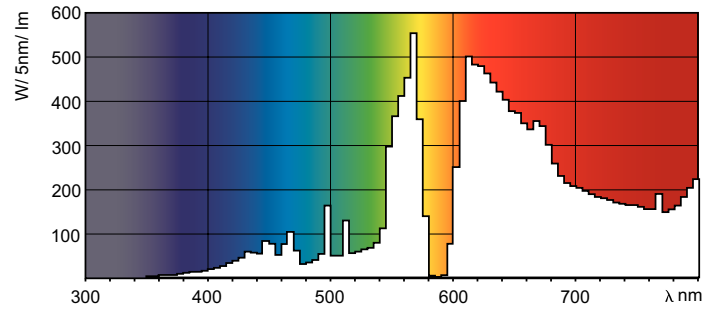


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Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12	20 mm	0.75 in	18 mm	54.5 mm	57.5 mm	56 mm	110 mm

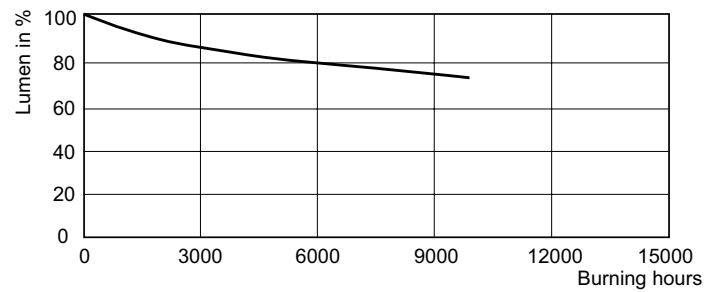
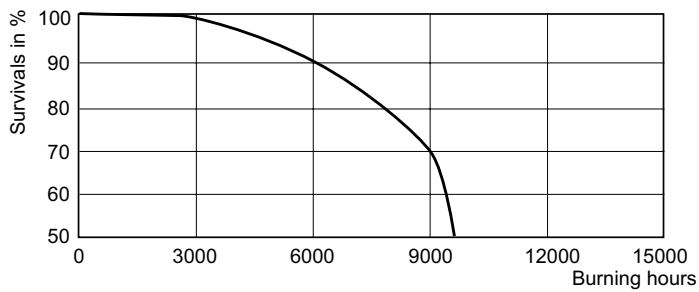
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Photometric data



LDPO_SDW-TG-Spectral power distribution Colour

Lifetime



LDLM_SDW-TG_100W_825-Lumen maintenance diagram

