



# MASTER SDW-T



## MASTER SDW-T 100W/825 PG12-1 1SL/12

Range of high-efficiency, discharge lamps with warm colour to be used in open luminaires

### 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		Chromaticity Coordinate Y (Nom)	
Cap-Base	PG12-1 [ PG12-1]		0.415
Operating Position	UNIVERSAL [ Any or Universal (U)]	Colour Temperature, horizontal (Nom)	2500 K
Life to 5% Failures (Nom)	5000 h	Luminous Efficacy (rated) (Nom)	52.58 lm/W
Life to 20% Failures (Nom)	10000 h	Colour Rendering Index horiz (Nom)	83
Life to 50% Failures (Nom)	15000 h		
Useful Life (Nom)	10000 h	Operating and electrical	
ANSI Code HID	-	Power (Rated) (Nom)	97.0 W
System Description	High Voltage [ 200-250V (HV)]	Lamp Current Run-Up (Max)	2.8 A
Flux measurement reference	Sphere	Lamp Current (EM) (Nom)	0.13 A
		Ignition Peak Voltage (Max)	5000 V
		Ignition Supply Voltage (Min)	205 V
		Voltage (Max)	108 V
		Voltage (Min)	88 V
		Voltage (Nom)	97 V
Light technical		Controls and dimming	
Colour Code	825 [ CCT of 2500K]	Dimmable	No
Luminous Flux (Nom)	5100 lm		
Luminous Flux (Rated) (Nom)	5100 lm		
Colour Designation	Golden White		
Lumen Maintenance 2000 h (Nom)	85 %		
Lumen Maintenance 5000 h (Nom)	80 %		
Chromaticity Coordinate X (Nom)	0.478		

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## Mechanical and housing

Bulb Finish	Clear
Bulb Material	Hard Glass
Bulb Shape	T31 [ T 31mm]

## Approval and application

Energy Efficiency Class	G
Mercury (Hg) Content (Max)	11.4 mg
Mercury (Hg) Content (Nom)	11.4 mg
Energy Consumption kWh/1000 h	97 kWh
EPREL Registration Number	473397

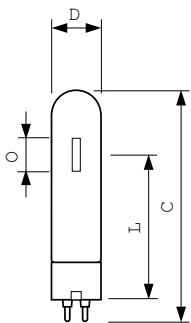
## Luminaire design requirements

Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	120 °C
Cap-Base Temperature (Max)-DUP(do not use)	248 °F

## Product data

Full product code	871150073404415
Order product name	MASTER SDW-T 100W/825 PG12-1 1SL/12
EAN/UPC - Product	8711500734044
Order code	73404415
Numerator - Quantity Per Pack	1
Local code description	8346795
Numerator - Packs per outer box	12
Material Nr. (12NC)	928154109227
Net Weight (Piece)	0.055 kg
ILCOS Code	STH-100-H/E-PG12

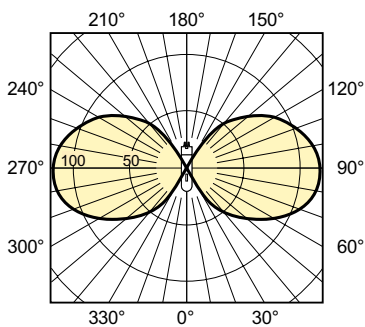
## Dimensional drawing



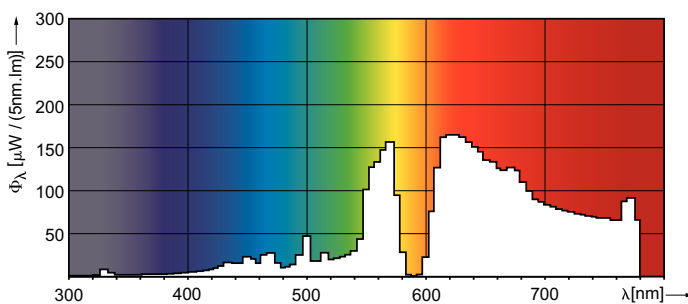
MASTER SDW-T 100W/825 PG12-1 1SL/12

Product	D (max)	O	L	C (max)
MASTER SDW-T 100W/825 PG12-1 1SL/12	32 mm	18.3 mm	91 mm	149 mm

## Photometric data



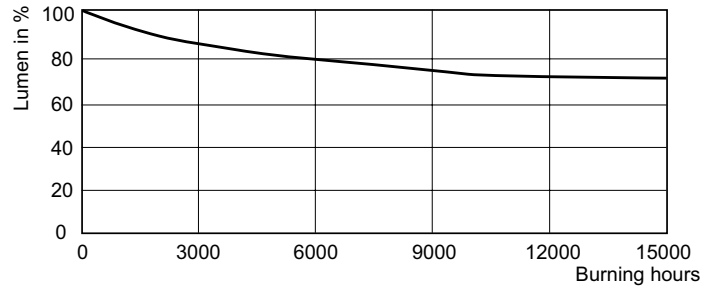
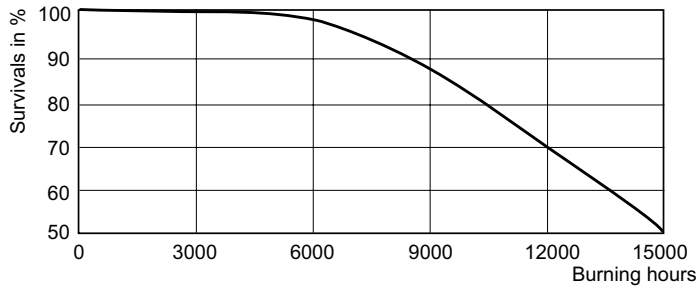
LDLD\_SDW-T-Light distribution diagram



LDPO\_SDW-T\_35W\_50W\_100W-Spectral power distribution Colour

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## Lifetime



LDLE\_SDW-T\_100W\_825-Life expectancy diagram

