



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.)	0.415
Cap base	PG12-1 [PG12-1]	Correlated Colour Temperature (Nom)	2500 K
Operating position	UNIVERSAL [Any/Universal]	Luminous efficacy (rated) (nom.)	52.58 lm/W
Life to 5% failures (nom.)	5000 h	Colour rendering index (nom.)	83
Life to 20% failures (nom.)	10000 h	Operating and Electrical	
Life to 50% failures (nom.)	15000 h	Power (Rated) (Nom)	97.0 W
Useful life (nom.)	10000 h	Lamp current run-up (max.)	2.8 A
ANSI code HID	-	Lamp current (EM) (nom.)	0.13 A
System description	High Voltage [200-250V (HV)]	Ignition peak voltage (max.)	5000 V
	Sphere	Ignition supply voltage (min.)	205 V
Light Technical		Voltage (Max)	108 V
Colour Code	825 [CCT of 2,500 K]	Voltage (Min)	88 V
Luminous flux (nom.)	5100 lm	Voltage (Nom)	97 V
Luminous flux (rated) (nom.)	5100 lm	Controls and Dimming	
Colour designation	Golden White	Dimmable	No
Lumen maintenance 2,000 hours (nom.)	85 %		
Lumen maintenance 5,000 hours (nom.)	80 %		
Chromaticity coordinate X (nom.)	0.478		

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Mechanical and Housing	
Lamp Finish	Clear
Bulb material	Hard Glass
Bulb shape	T31 [T 31mm]

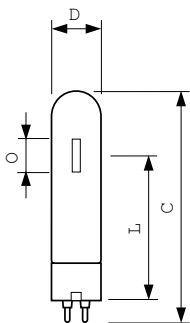
Approval and Application	
Energy Efficiency Class	G
Mercury (Hg) content (max.)	11.4 mg
Mercury (Hg) content (nom.)	11.4 mg
Energy consumption kWh/1,000 hours	97 kWh
	473397

Luminaire Design Requirements	
Bulb temperature (max.)	450 °C

Cap-base temperature (max.)	120 °C
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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
Local order code	100SDWT
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928154109227
ILCOS code	STH-100-H/E-PG12

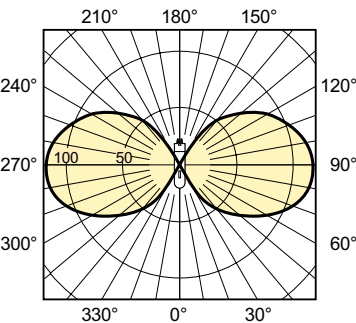
Dimensional drawing



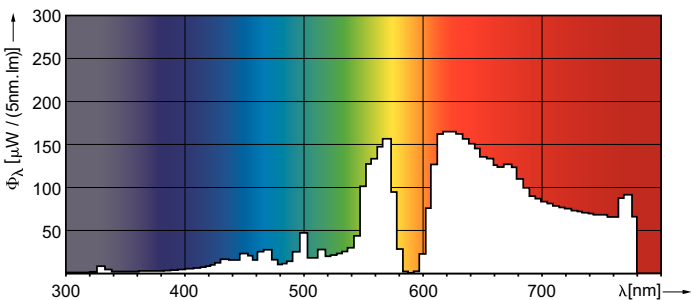
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Product	D (max)	O	L	C (max)
MASTER SDW-T 100W/825 PG12-1 1SL/12	32 mm	18.3 mm	91 mm	149 mm

Photometric data



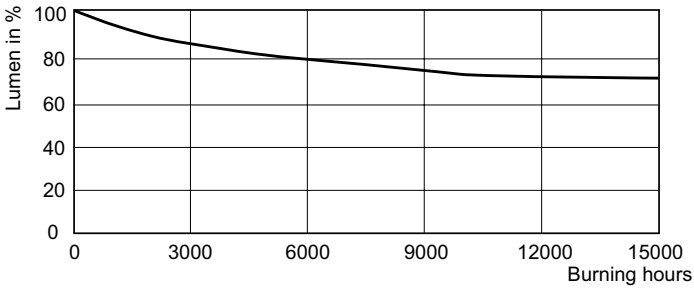
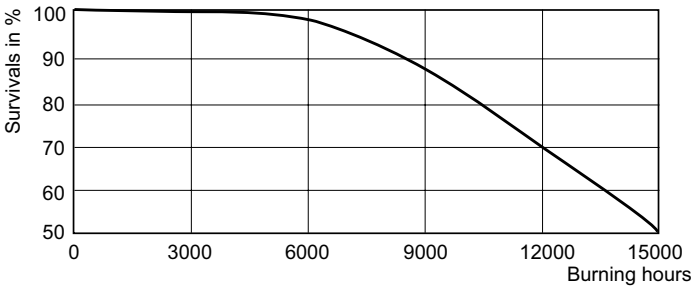
LDLD_SDW-T-Light distribution diagram



LDPO_SDW-T_35W_50W_100W-Spectral power distribution Colour

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Lifetime



LDLE_SDW-T_100W_825-Life expectancy diagram

