



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	
Cap base	PG12-1 [PG12-1]
Burning Position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	5000 h
Life to 20% failures (nom.)	10000 h
Life to 50% failures (nom.)	15000 h
Useful life (nom.)	10000 h
ANSI code HID	-
System description	High Voltage [200-250V (HV)]
Light Technical	
Colour Code	825 [CCT of 2,500 K]
Lamp Luminous Flux (Nom)	5100 lm
Colour Designation	Golden White
Lumen maintenance 2,000 hours (nom.)	85 %
Lumen maintenance 5,000 hours (nom.)	80 %
Chromaticity coordinate X (nom.)	464
Chromaticity coordinate Y (nom.)	404
Colour Temperature, horizontal (Nom)	2500 K

Lamp Luminous Efficacy EM (Nom)	52.58 lm/W
Colour Rendering Index,horiz (Nom)	83
Operating and Electrical	
Power (Rated) (Nom)	97.0 W
Lamp current run-up (max.)	2.8 A
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
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear

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Bulb material	Hard Glass
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Approval and Application

Energy efficiency label (EEL)	B
Mercury (Hg) content (nom.)	11.4 mg
Energy consumption kWh/1,000 hours	107 kWh

Luminaire Design Requirements

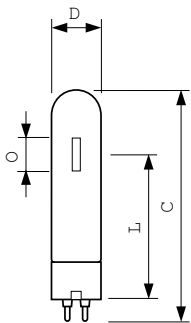
Bulb temperature (max.)	450 °C
Cap-base temperature (max.)	120 °C

Product Data

Full product code	871150073404415
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Order product name	MASTER SDW-T 100W/825 PG12-1 1SL/12
EAN/UPC – product	8711500734044
Order code	928154109227
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928154109227
SAP net weight (piece)	0.055 kg
ILCOS code	STH-100-H/E-PG12

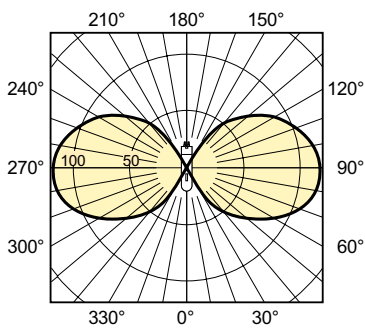
Dimensional drawing



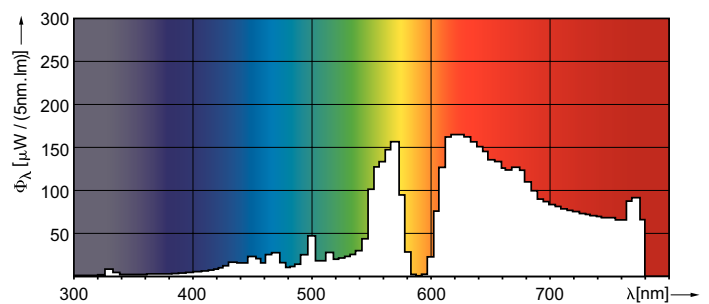
SDW-T 100W/825 PG12-1

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



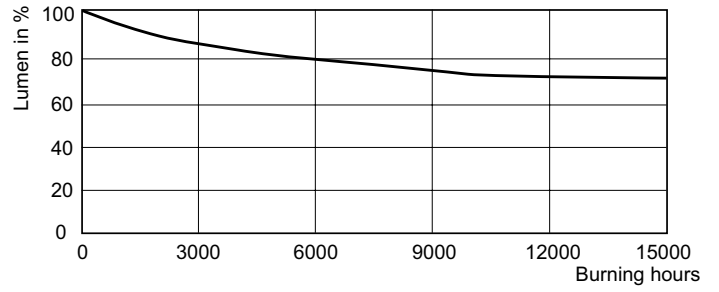
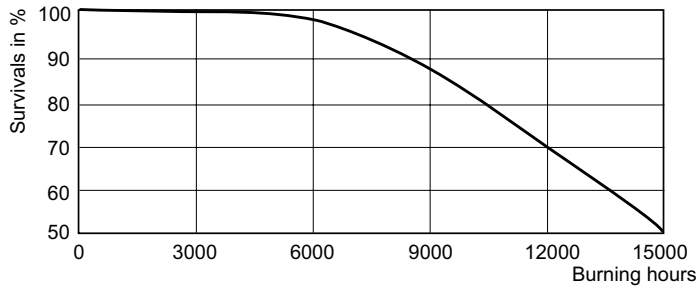
LDLD_SDW-T-Light distribution diagram



LDPO_SDW-T_35W_50W_100W-Spectral power distribution Colour

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Lifetime



LDLE_SDW-T_100W_825-Life expectancy diagram

