



# MASTER SDW-T

## MASTER SDW-T 50W/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.)	8000 h
Life to 20% failures (nom.)	12000 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)	2500 lm
Colour Designation	Golden White
Lumen maintenance 2,000 hours (nom.)	95 %
Lumen maintenance 5,000 hours (nom.)	90 %
Chromaticity coordinate X (nom.)	471
Chromaticity coordinate Y (nom.)	409
Colour Temperature, horizontal (Nom)	2500 K

Lamp Luminous Efficacy EM (Nom)	45.45 lm/W
Colour Rendering Index,horiz (Min)	80
Colour Rendering Index,horiz (Nom)	82

Operating and Electrical	
Power (Rated) (Nom)	55.5 W
Lamp current run-up (max.)	1.5 A
Lamp current (EM) (nom.)	0.78 A
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	205 V
Voltage (Max)	102 V
Voltage (Min)	82 V
Voltage (Nom)	90 V

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Lamp Finish	Clear

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Bulb material	Soft Glass
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## Approval and Application

Energy efficiency label (EEL)	B
Mercury (Hg) content (nom.)	7.6 mg
Energy consumption kWh/1,000 hours	61 kWh

## Luminaire Design Requirements

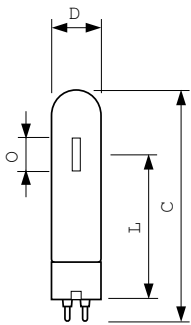
Bulb temperature (max.)	350 °C
Cap-base temperature (max.)	120 °C

## Product Data

Full product code	871150073403715
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Order product name	MASTER SDW-T 50W/825 PG12-1 1SL/12
EAN/UPC – product	8711500734037
Order code	928153909227
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12 NC)	928153909227
SAP net weight (piece)	0.048 kg
ILCOS code	STH-50-H/E-PG12

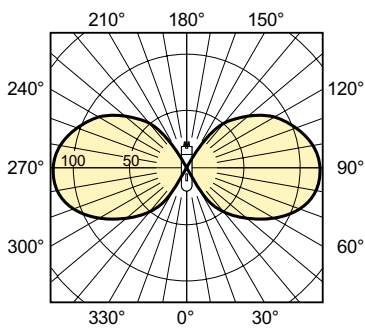
## Dimensional drawing



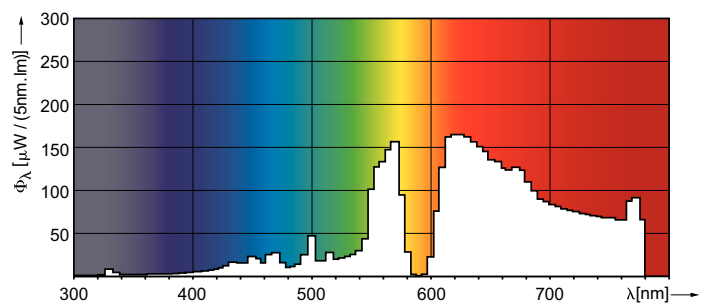
SDW-T 50W/825 PG12-1

Product	D (max)	O	L	C (max)
MASTER SDW-T 50W/825 PG12-1 1SL/12	32 mm	15.4 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

