

SDW White Son

SDW-T White Son



SDW-T 100W PG12-1

Product Description

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

Product Features

- Warm white color impression, very good color rendering, especially superb red rendition
- Lamp design is well-suited to be used in luminaires for power-spots (high intensity) and high-bay general lighting

Product Benefits

- Exceptional brightness and color rendering especially of warm colors, e.g. red and gold
- High lamp efficacy results in low operating costs and low heat generation
- Long lamp life compared with incandescent and halogen lamps

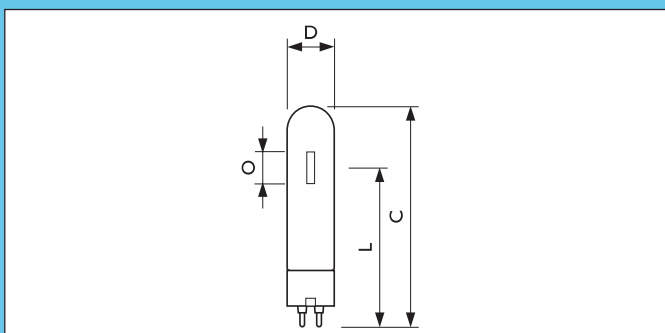
Application

- Shop lighting (create cosy atmosphere e.g. in furniture shops), excellent display of fresh goods (at butchers, bakeries, flower-shops) and decorative outdoor lighting (gas-lantern imitation)

System

- Must be used in combination with a ballast and a special Philips color control unit (CSLS) to avoid color shift. Not designed to be used in combination with electronic gear
- A high-current protection device (thermo-switch) in the gear is mandatory (IEC 61167)

Dimensions in mm



	Overall length	Diameter	Light center length	Arc length
Product ID	C max.	D max.	L nom.	O nom.
35W	149	32	91	13
50W	149	32	91	16
100W	149	32	91	19

Preferred selection

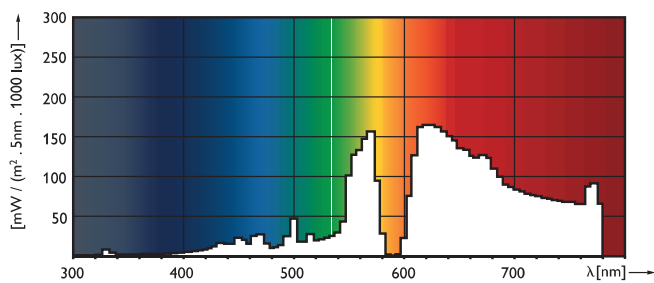
Product ID	Lamp Wattage EL (W)	Lamp Current EL (A)	Lamp Voltage (V)	Cap/ Base	Color Temperature (K)	Color Rendering Index (R _a)
MASTER SDW-T 35W/825 PG12-1 SLV	33	0.48	96	PG12-1	2500	83
MASTER SDW-T 50W/825 PG12-1 SLV	53	0.76	92	PG12-1	2500	83
MASTER SDW-T 100W/825 PG12-1 SLV	97	1.31	98	PG12-1	2550	83

Product ID	Chromaticity Coordinate X	Chromaticity Coordinate Y	Bulb Finish	Luminous Flux Lamp (lm)	Luminous Efficacy Lamp (lm/W)	Operating Position
MASTER SDW-T 35W/825 PG12-1 SLV	479	417	Clear	1300	40	ANY
MASTER SDW-T 50W/825 PG12-1 SLV	471	409	Clear	2300	44	ANY
MASTER SDW-T 100W/825 PG12-1 SLV	464	404	Clear	5000	52	ANY

Product ID	Ignition Peak Voltage	Cap/Base Temperature max. (°C)	Bulb Temperature max. (°C)	Net Weight Product (gr)	Comm Code
MASTER SDW-T 35W/825 PG12-1 SLV	5000	120	350	53	SDWT35W825
MASTER SDW-T 50W/825 PG12-1 SLV	5000	120	350	53	SDWT50W825
MASTER SDW-T 100W/825 PG12-1 SLV	5000	120	450	53	SDWT100W825

Spectral power distribution

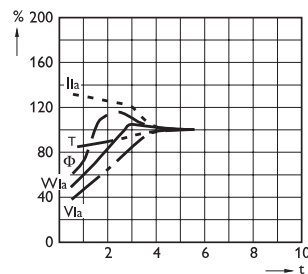
SDW-T 50W



Performance diagrams

MASTERColour SDW-T

Lamp performance during run up



- I_{la} = Lamp current
- Φ = Luminous Flux
- V_{la} = Lamp Voltage
- W_{la} = Lamp Wattage

Effects of mains voltage variations

