



# Incredible colors, amazing atmosphere

## MASTER SDW-T

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

### 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

### Features

- Unique warm color quality
- Lamp design is well-suited to be used in luminaires for power-spots (high intensity) and high-bay general lighting

### 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)

# MASTER SDW-T

## Versions



SDW-T, 35W, PG12-1

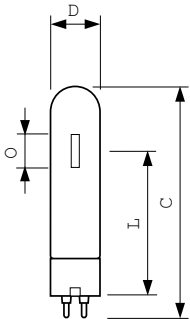


SDW-T, 50W, PG12-1



SDW-T, 100W, PG12-1

## Dimensional drawing



Product	D (max)	O	L	C (max)
MASTER SDW-T 35W/825 PG12-1 1SL/12	32 mm	12.7 mm	91 mm	149 mm
MASTER SDW-T 50W/825 PG12-1 1SL/12	32 mm	15.4 mm	91 mm	149 mm
MASTER SDW-T 100W/825 PG12-1 1SL/12	32 mm	18.3 mm	91 mm	149 mm

### Approval and Application

Energy Efficiency Label (EEL) B

### Controls and Dimming

Dimmable No

### General Information

Cap-Base PG12-1  
 Life To 50% Failures (Nom) 15000 h  
 Operating Position UNIVERSAL  
 System Description 200 to 250V

### Light Technical

Color Code 825  
 Color Designation Golden White  
 Correlated Color Temperature (Nom) 2500 K  
 Color Rendering Index (Nom) 83

### Mechanical and Housing

Bulb Finish Clear  
 Bulb Shape T31

### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	36 kWh	3.8 mg
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	58 kWh	7.5 mg
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	107 kWh	11.4 mg

## Operating and Electrical (1/2)

# MASTER SDW-T

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	0.48 A	106 V	86 V	96 V
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	0.76 A	102 V	82 V	92 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	1.31 A	108 V	88 V	98 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	33.0 W
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	53.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	97.0 W

## General Information

Order Code	Full Product Name	Life To 20%	Life To 5%
		Failures (Nom)	Failures (Nom)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	12000 h	8000 h
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	12000 h	8000 h

Order Code	Full Product Name	Life To 20%	Life To 5%
		Failures (Nom)	Failures (Nom)
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	10000 h	5000 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	350 °C
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	350 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	450 °C

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Lumen Maintenance	Lumen Maintenance
				2000 h (Nom)	5000 h (Nom)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	479	417	95 %	90 %
928153909227	MASTER SDW-T 50W/825	471	409	95 %	90 %

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Lumen Maintenance	Lumen Maintenance
				2000 h (Nom)	5000 h (Nom)
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	464	404	85 %	80 %

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	40 lm/W	1300 lm

# MASTER SDW-T

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	44 lm/W	2300 lm
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	52 lm/W	5000 lm

## Mechanical and Housing

Order Code	Full Product Name	Bulb Material
928153809230	MASTER SDW-T 35W/825 PG12-1 1SL/12	Soft Glass
928153909227	MASTER SDW-T 50W/825 PG12-1 1SL/12	Soft Glass

Order Code	Full Product Name	Bulb Material
928154109227	MASTER SDW-T 100W/825 PG12-1 1SL/12	Hard Glass

## Color Rendering Diagrams

