



# MASTER SDW-T

MASTER SDW-T 100W/825 PG12-1 HG 1SL

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

## Product data

### • General Characteristics

|                      |                            |
|----------------------|----------------------------|
| System Description   | High Voltage [200-250V]    |
| Cap-Base             | PG12-1                     |
| Bulb                 | T31 [T 31mm]               |
| Bulb Material        | Hard Glass                 |
| Bulb Finish          | Clear                      |
| Operating Position   | any [Any or Universal (U)] |
| Life to 5% failures  | 5000 hr                    |
| Life to 20% failures | 10000 hr                   |
| Life to 50% failures | 15000 hr                   |
| Useful Life          | 10000 hr                   |

### • Light Technical Characteristics

|                             |                        |
|-----------------------------|------------------------|
| Color Code                  | 825 [CCT of 2500K]     |
| Color Rendering Index       | 80 (min), 83 (nom) Ra8 |
| Color Designation (text)    | Golden White           |
| Color Temperature           | 2500 K                 |
| Color Temperature Technical | 2500 K                 |
| Luminous Flux Lamp EM       | 5000 Lm                |
| Luminous Efficacy Lamp EM   | 52 Lm/W                |
| Lumen Maintenance 2000h     | 85 %                   |
| Lumen Maintenance 5000h     | 80 %                   |
| Luminance Average EM        | 530 cd/cm <sup>2</sup> |
| Chromaticity Coordinate X   | 464 -                  |
| Chromaticity Coordinate Y   | 404 -                  |

### • Electrical Characteristics

|                 |         |
|-----------------|---------|
| Lamp Wattage    | 100 W   |
| Lamp Wattage EM | 100.0 W |
| 25°C, Nominal   |         |
| Lamp Wattage EM | 97.0 W  |
| 25°C, Rated     |         |
| Lamp Voltage    | 98 V    |
| Lamp Current EM | 1.31 A  |
| Dimmable        | No      |

### • Environmental Characteristics

|                               |         |
|-------------------------------|---------|
| Energy Efficiency Label (EEL) | B       |
| Mercury (Hg) Content          | 11 mg   |
| Energy consumption kWh/1000h  | 106 kWh |

### • Luminaire Design Requirements

|                      |             |
|----------------------|-------------|
| Cap-Base Temperature | 120 (max) C |
| Bulb Temperature     | 450 (max) C |

### • Product Dimensions

|                       |              |
|-----------------------|--------------|
| Overall Length C      | 149 (max) mm |
| Diameter D            | 32 (max) mm  |
| Light Center Length L | 91 mm        |
| Arc Length O          | 19 mm        |

# PHILIPS

# MASTER SDW-T

## • Product Data

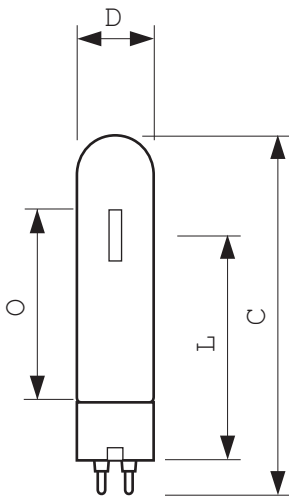
Order code 928154109201  
Full product code 928154109201  
Full product name MASTER SDW-T 100W/825 PG12-1  
HG 1SL  
Order product name MASTER SDW-T 100W/825 PG12-1  
HG 1SL  
Pieces per pack 1  
Packing configuration 12

Packs per outerbox 12  
Bar code on pack -  
EAN1 8711500734044  
Bar code on  
outerbox - EAN3 8711500183163  
Logistic code(s) -  
12NC 928154109201  
ILCOS code STH-100-H/E-PG12  
Net weight per piece 0.055 kg

## Warnings and Safety

- Use only with dedicated Philips control gear

## Dimensional drawing



PG12-1

## MASTER SDW-T 100W/825 PG12-1 HG 1SL

| Product               | C (Max) | D (Max) | L (Norm) | O (Norm) |
|-----------------------|---------|---------|----------|----------|
| SDW-T 100W/825 PG12-1 | 149     | 32      | 91       | 18.3     |

## Photometric data

