



# Incredible colors, warm atmosphere

## MASTER SDW-TG Mini

Range of high-efficiency, discharge lamps with warm color to be used in small, open luminaires designed around MASTERColour CDM-T lamps

### 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 MASTERColour CDM-T power-spots
- UV-block glass

### Application

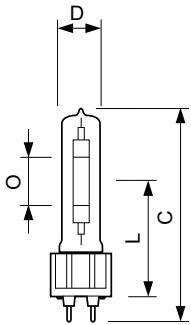
- Shop lighting (creates cosy atmosphere e.g. in furniture shops), excellent display of fresh goods (at butchers, bakeries, flower-shops)

# MASTER SDW-TG Mini

## Versions



## Dimensional drawing



| Product  | D (max) | D       | O          | L (min) | L (max) | L        | C (max) |
|--|---------|---------|------------|---------|---------|----------|---------|
| MASTER SDW-TG<br>Mini 50W/825<br>GX12-11CT/12  | 20 mm   | 0.75 in | 14.5<br>mm | 53.5 mm | 56.5 mm | 55 mm    | 103 mm  |
| MASTER SDW-TG<br>Mini 100W/825<br>GX12-11CT/12 | 20 mm   | 0.75 in | 18 mm      | 54.5 mm | 57.5 mm | 56<br>mm | 110 mm  |

# MASTER SDW-TG Mini

## Approval and Application

Energy Efficiency Label (EEL) B

## Controls and Dimming

Dimmable No

## General Information

Cap-Base GX12-1

Life To 50% Failures (Nom) 10000 h

Operating Position UNIVERSAL

System Description na

## Light Technical

Colour Code 825

Colour Designation Golden White

Correlated Colour Temperature (Nom) 2500 K

Colour Rendering Index (Min) 80

Lumen Maintenance 10000 h (Min) 65 %

Lumen Maintenance 10000 h (Nom) 75 %

Lumen Maintenance 2000 h (Min) 85 %

Lumen Maintenance 2000 h (Nom) 95 %

Lumen Maintenance 5000 h (Min) 75 %

## Mechanical and Housing

Bulb Finish Clear (CL)

Bulb Material -

Bulb Shape T19

## Approval and Application

| Order Code | Full Product Name                      | Energy Consumption kWh/<br>1000 h | Mercury (Hg) Content<br>(Nom) |
|------------|--|-----------------------------------|-------------------------------|
| 20233815   | MST SDW-TG MINI 100W/825 GX12-1 1CT/12 | 109 kWh                           | 15.2 mg                       |
| 20323615   | MST SDW-TG MINI 50W/825 GX12-1 1CT/12  | 59 kWh                            | 5.7 mg                        |

## Operating and Electrical (1/2)

| Order Code | Full Product Name                            | Voltage<br>(Max) | Voltage<br>(Min) | Voltage<br>(Nom) | Power<br>(Rated)<br>(Nom) |
|------------|--|------------------|------------------|------------------|---------------------------|
| 20233815   | MST SDW-TG MINI<br>100W/825 GX12-1<br>1CT/12 | 98 V             | 84 V             | 91 V             | 99.0 W                    |

| Order Code | Full Product Name                           | Voltage<br>(Max) | Voltage<br>(Min) | Voltage<br>(Nom) | Power<br>(Rated)<br>(Nom) |
|------------|---|------------------|------------------|------------------|---------------------------|
| 20323615   | MST SDW-TG MINI<br>50W/825 GX12-1<br>1CT/12 | 90 V             | 78 V             | 85 V             | 54.0 W                    |

## Operating and Electrical (2/2)

| Order Code | Full Product Name                      | Re-Ignition Time (Min) (Max) |
|------------|--|------------------------------|
| 20233815   | MST SDW-TG MINI 100W/825 GX12-1 1CT/12 | 1.5 min                      |

| Order Code | Full Product Name                     | Re-Ignition Time (Min) (Max) |
|------------|---------------------------------------|------------------------------|
| 20323615   | MST SDW-TG MINI 50W/825 GX12-1 1CT/12 | 1.0 min                      |

## General Information

| Order Code | Full Product Name                         | Life To 20%<br>Failures (Nom) | Life To 5%<br>Failures (Nom) |
|------------|---|-------------------------------|------------------------------|
| 20233815   | MST SDW-TG MINI 100W/825<br>GX12-1 1CT/12 | 8000 h                        | 5000 h                       |

| Order Code | Full Product Name                        | Life To 20%<br>Failures (Nom) | Life To 5%<br>Failures (Nom) |
|------------|--|-------------------------------|------------------------------|
| 20323615   | MST SDW-TG MINI 50W/825<br>GX12-1 1CT/12 | 9000 h                        | 7000 h                       |

## Luminaire Design Requirements

| Order Code | Full Product Name                      | Bulb Temperature (Max) |
|------------|--|------------------------|
| 20233815   | MST SDW-TG MINI 100W/825 GX12-1 1CT/12 | 650 °C                 |

# MASTER SDW-TG Mini

| Order Code | Full Product Name                     | Bulb Temperature (Max) |
|------------|---------------------------------------|------------------------|
| 20323615   | MST SDW-TG MINI 50W/825 GX12-1 1CT/12 | 500 °C                 |

## Light Technical (1/2)

| Order Code | Full Product Name                      | Colour                          |                                 |                       |                                |
|------------|--|---------------------------------|---------------------------------|-----------------------|--------------------------------|
|            |  | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Rendering Index (Nom) | Lumen Maintenance 5000 h (Nom) |
| 20233815   | MST SDW-TG MINI 100W/825 GX12-1 1CT/12 | 469                             | 406                             | 83                    | 80 %                           |
| 20323615   | MST SDW-TG MINI                        | 468                             | 408                             | 81                    | 85 %                           |

| Order Code | Full Product Name     | Colour                          |                                 |                       |                                |
|------------|-----------------------|---------------------------------|---------------------------------|-----------------------|--------------------------------|
|            |                       | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Rendering Index (Nom) | Lumen Maintenance 5000 h (Nom) |
|            | 50W/825 GX12-1 1CT/12 |                                 |                                 |                       |                                |

## Light Technical (2/2)

| Order Code | Full Product Name                      | Luminous               |                             |                             |
|------------|--|------------------------|-----------------------------|-----------------------------|
|            |  | Efficacy (rated) (Nom) | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (Nom) |
| 20233815   | MST SDW-TG MINI 100W/825 GX12-1 1CT/12 | 50 lm/W                | 4400 lm                     | 4900 lm                     |

| Order Code | Full Product Name                     | Luminous               |                             |                             |
|------------|---------------------------------------|------------------------|-----------------------------|-----------------------------|
|            |                                       | Efficacy (rated) (Nom) | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (Nom) |
| 20323615   | MST SDW-TG MINI 50W/825 GX12-1 1CT/12 | 44 lm/W                | 2100 lm                     | 2400 lm                     |

