



MASTER SDW-TG Mini

MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12

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

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 | | Lumen maintenance 10,000 hours (nom.) | |
|---------------------------------------|----------------------------|---------------------------------------|---------|
| Cap base | GX12-1 [GX12-1] | Lumen maintenance 2,000 hours (min.) | 75 % |
| Burning Position | UNIVERSAL [Any/Universal] | Lumen maintenance 2,000 hours (nom.) | 85 % |
| Life to 5% failures (nom.) | 5000 h | Lumen maintenance 5,000 hours (min.) | 95 % |
| Life to 20% failures (nom.) | 8000 h | Lumen maintenance 5,000 hours (nom.) | 75 % |
| Life to 50% failures (nom.) | 10000 h | Chromaticity coordinate X (nom.) | 80 % |
| ANSI code HID | S167 | Chromaticity coordinate Y (nom.) | 0.478 |
| System description | na [-] | Colour Temperature, horizontal (Nom) | 0.415 |
| | Sphere | Lamp Luminous Efficacy EM (Nom) | 2500 K |
| | | Colour Rendering Index,horiz (Min) | 52 lm/W |
| | | Colour Rendering Index,horiz (Nom) | 80 |
| | | | 82 |
| Light technical | | Operating and electrical | |
| Colour Code | 825 [CCT of 2,500 K] | Power (Rated) (Nom) | 102.0 W |
| Lamp Luminous Flux 25°C EL (Nom) | 5300 lm | Lamp current run-up (max.) | 2.4 A |
| Lamp Luminous Flux (Min) | 4400 lm | Ignition peak voltage (max.) | 4000 V |
| Lamp Luminous Flux (Nom) | 5300 lm | Ignition supply voltage (min.) | 205 V |
| Colour Designation | Golden White | | |
| Lumen maintenance 10,000 hours (min.) | 65 % | | |

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| | |
|--------------------------------|---------|
| Re-ignition time (min.) (max.) | 1.5 min |
| Ignition time (max.) | 60 s |
| Voltage (Max) | 98 V |
| Voltage (Min) | 84 V |
| Voltage (Nom) | 91 V |

Controls and dimming

| | |
|------------------------|-------|
| Dimmable | No |
| Run-up time 90% (max.) | 2 min |

Mechanical and housing

| | |
|---------------|---------------|
| Lamp Finish | Clear |
| Bulb material | - |
| Bulb shape | T19 [T 19mm] |

Approval and application

| | |
|------------------------------------|---------|
| Energy Efficiency Class | G |
| Mercury (Hg) content (max.) | 15.2 mg |
| Mercury (Hg) content (nom.) | 15.2 mg |
| Energy consumption kWh/1,000 hours | 102 kWh |
| | 473402 |

Luminaire design requirements

| | |
|-----------------------------|--------|
| Bulb temperature (max.) | 650 °C |
| Cap-base temperature (max.) | 280 °C |
| Pinch temperature (max.) | 350 °C |

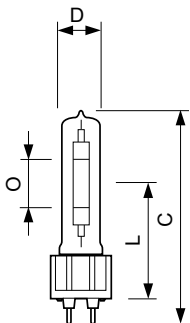
Initial performance (IEC compliant)

| | |
|------------------------|----|
| Colour Rendering Index | 82 |
|------------------------|----|

Product data

| | |
|-----------------------------------|--|
| Full product code | 871150020233815 |
| Order product name | MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12 |
| EAN/UPC – product | 8711500202338 |
| Order code | 928158905131 |
| Local order code | 9281-589-05131 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| SAP material | 928158905131 |
| Copy Net Weight (Piece) | 0.030 kg |
| ILCOS code | STH-100/25/1B-GX12-1 |

Dimensional drawing

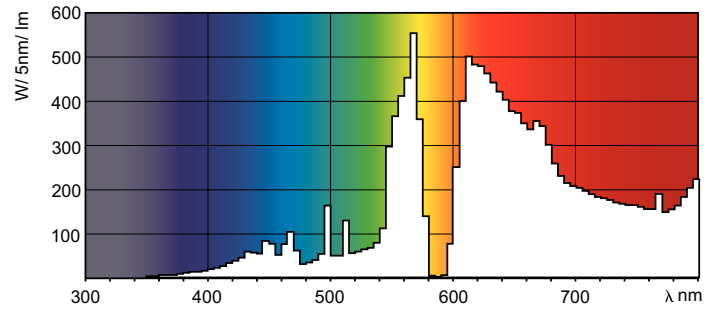


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| Product | D (max) | D | O | L (min) | L (max) | L | C (max) |
|---|---------|---------|-------|---------|---------|-------|---------|
| MASTER SDW-TG Mini 100W/825 GX12-1 1CT/12 | 20 mm | 0.75 in | 18 mm | 54.5 mm | 57.5 mm | 56 mm | 110 mm |

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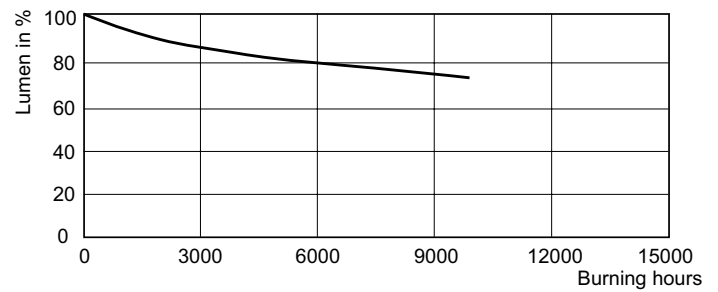
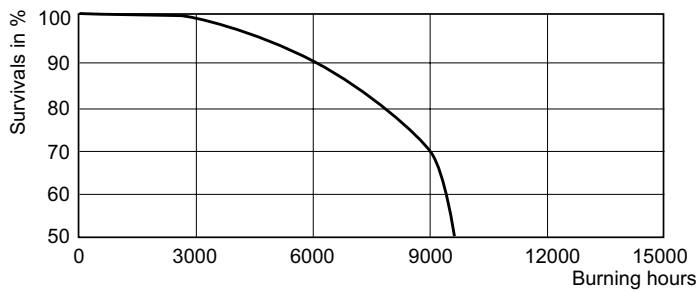
Photometric data



MASTER SDW-TG

LDPO_SDW-TG-Spectral power distribution Colour

Lifetime



LDLM_SDW-TG_100W_825-Lumen maintenance diagram

