

MASTERCcolour CDM-T

MASTERCcolour CDM-T 250W/830 G12 1CT

Range of single-ended, compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light



Product data

• General Characteristics

| | |
|-------------------------|----------------------------|
| Cap-Base | G12 |
| Bulb | T25 [T 25mm] |
| Bulb Finish | Clear |
| Operating Position | any [Any or Universal (U)] |
| Life to 5% failures EM | 3500 hr |
| Life to 5% failures EL | 3500 hr |
| Life to 10% failures EM | 4500 hr |
| Life to 10% failures EL | 4500 hr |
| Life to 20% failures EM | 5500 hr |
| Life to 20% failures EL | 5500 hr |
| Life to 50% failures EM | 8000 hr |
| Life to 50% failures EL | 8000 hr |

• Light Technical Characteristics

| | |
|-----------------------------|------------------------|
| Color Code | 830 [CCT of 3000K] |
| Color Rendering Index | 82 (min), 85 (nom) Ra8 |
| Color Designation (text) | Warm White |
| Color Temperature | 3000 K |
| Color Temperature Technical | 3000 K |
| Luminous Flux Lamp EM | 27540 Lm |
| Luminous Efficacy Lamp EM | 111 Lm/W |
| Lumen Maintenance EM 2000h | 98 % |

| | |
|-----------------------------|---------|
| Lumen Maintenance EM 5000h | 97 % |
| Lumen Maintenance EM 10000h | 92 % |
| Chromaticity Coordinate X | 0.435 - |
| Chromaticity Coordinate Y | 0.393 - |

• Electrical Characteristics

| | |
|--------------------------------|--------------|
| System Power EM | 271 W |
| System Power EL | 271 W |
| Lamp Wattage | 250 W |
| Lamp Wattage EM 25°C, Nominal | 250.0 W |
| Lamp Wattage EM 25°C, Rated | 249.0 W |
| Lamp Voltage | 95 V |
| Lamp Current EM | 2.99 A |
| Ignition Time | 30 (max) s |
| Run-up time 90% | 3 (max) min |
| Ignition Peak Voltage | 3500 (min) V |
| Re-ignition Time [min] | 15 (max) min |
| Dimmable | No |
| Ratio scotopic/photopic lumens | 1.30 - |

• Environmental Characteristics

| | |
|-------------------------------|---------|
| Energy Efficiency Label (EEL) | A+ |
| Mercury (Hg) Content | 27 mg |
| Energy consumption kWh/1000h | 273 kWh |

PHILIPS

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH) 0.15 - 8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature 280 (max) C
Pinch Temperature 350 (max) C
Bulb Temperature 700 (max) C

• Product Dimensions

Reference Length A 122 (max) mm
Overall Length C 135 (max) mm
Diameter D 25 (max) mm
Light Center Length L 71.5 (min), 72.5 (nom), 73.5 (max) mm
Arc Length O 12.3 mm

• Product Data

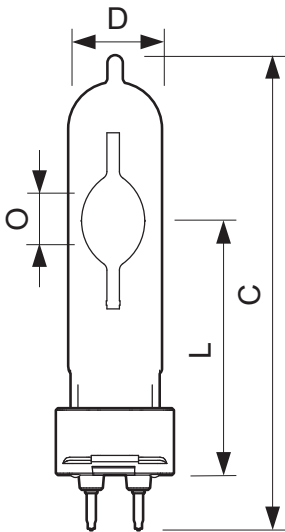
Order code 928089805131
Full product code 928089805131
Full product name MASTERColour CDM-T 250W/830 G12 1CT
Order product name MASTERC CDM-T 250W/830 G12 1CT/12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500208019
Bar code on outerbox - EAN3 8711500208026
Logistic code(s) - 12NC 928089805131
ILCOS code MT/UB-250/830-H-G12-25/135
Net weight per piece 0.039 kg

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control gear.

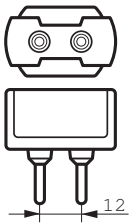
Dimensional drawing



MASTERColour CDM-T 250W/830 G12 1CT

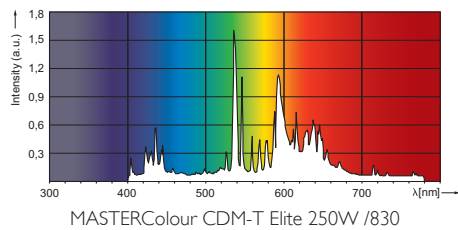
| Product | C (Max) | D (Max) | L (Min) | L (Norm) | L (Max) | O (Norm) |
|--------------------|---------|---------|---------|----------|---------|----------|
| CDM-T 250W/830 G12 | 135 | 25 | 71.5 | 72.5 | 73.5 | 12.3 |

Dimensional drawing



G12

Photometric data



© 2013 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2013, October 9
data subject to change