

# MASTERColour CDM-TC

## MASTERColour CDM-TC 70W/830 G8.5 1CT/12

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

### 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)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic 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 | |
|---|---|
| **Cap-Base** | G8.5 [ G8.5] |
| **Operating Position** | UNIVERSAL [ Any or Universal (U)] |
| **Life to 5% Failures (Nom)** | 9000 h |
| **Life To 10% Failures (Nom)** | 8000 h |
| **Life to 20% Failures (Nom)** | 9000 h |
| **Life to 50% Failures (Nom)** | 12000 h |
| **ANSI Code HID** | C139/E |
| **Flux measurement reference** | Sphere |

| Light technical | |
|---|---|
| **Color Code** | 830 [ CCT of 3000K] |
| **Luminous Flux (Nom)** | 6300 lm |
| **Luminous Flux (Rated) (Nom)** | 6300 lm |
| **Color Designation** | Warm White (WW) |
| **Lumen Maintenance 10000 h (Nom)** | 65 % |
| **Lumen Maintenance 2000 h (Min)** | 75 % |
| **Lumen Maintenance 2000 h (Nom)** | 85 % |
| **Lumen Maintenance 5000 h (Min)** | 65 % |
| **Lumen Maintenance 5000 h (Nom)** | 75 % |
| **Chromaticity Coordinate X (Nom)** | 0.434 |
| **Chromaticity Coordinate Y (Nom)** | 0.398 |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 86 lm/W |
| **Color Rendering Index (Nom)** | 83 |

| Operating and electrical | |
|---|---|
| **Power (Nom)** | 73.2 W |

# MASTERColour CDM-TC

| | |
|---|---|
| **Lamp Current Run-Up (Max)** | 1.4 A |
| **Ignition Supply Voltage (Max)** | 198 V |
| **Ignition Peak Voltage (Max)** | 5000 V |
| **Ignition Supply Voltage (Min)** | 198 V |
| **Ignition Peak Voltage (Min)** | 3500 V |
| **Re-Ignition Time (Min) (Max)** | 15 min |
| **Ignition Time (Max)** | 30 s |
| **Voltage (Max)** | 87 V |
| **Voltage (Min)** | 78 V |
| **Voltage (Nom)** | 83 V |

## Controls and dimming

| | |
|---|---|
| **Dimmable** | No |
| **Run-Up Time 90% (Max)** | 3 min |

## Mechanical and housing

| | |
|---|---|
| **Bulb Finish** | Clear |
| **Bulb Material** | UV-Block Quartz |
| **Bulb Shape** | T14 [ T 14 mm] |

## Approval and application

| | |
|---|---|
| **Energy Efficiency Class** | G |
| **Mercury (Hg) Content (Max)** | 4.6 mg |
| **Mercury (Hg) Content (Nom)** | 4.6 mg |
| **Energy Consumption kWh/1000 h** | 74 kWh |
| **EPREL Registration Number** | 473344 |

## UV

| | |
|---|---|
| **Pet (Niosh) (Min)** | 8 h/500lx |
| **Damage Factor D/fc (Max)** | 0.3 |

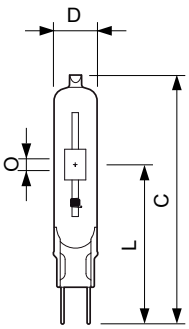
## Luminaire design requirements

| | |
|---|---|
| **Bulb Temperature (Max)** | 550 °C |
| **Pinch Temperature (Max)** | 300 °C |

## Product data

| | |
|---|---|
| **Full product code** | 871150020167615 |
| **Order product name** | MASTERColour CDM-TC 70W/830 G8.5 1CT/12 |
| **EAN/UPC - Product** | 8711500201676 |
| **Order code** | 928086505131 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 12 |
| **Material Nr. (12NC)** | 928086505131 |
| **Copy Net Weight (Piece)** | 0.010 kg |
| **ILCOS Code** | MT/UB-70/830-H-G8.5-17/85 |

## Dimensional drawing

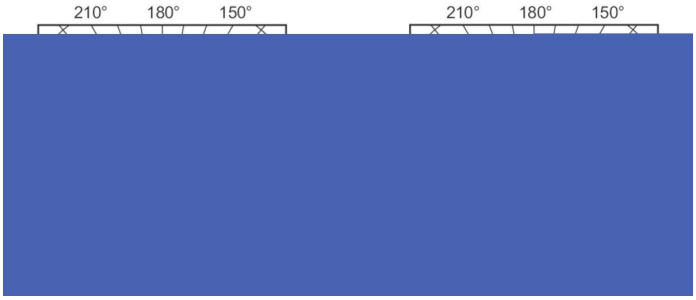


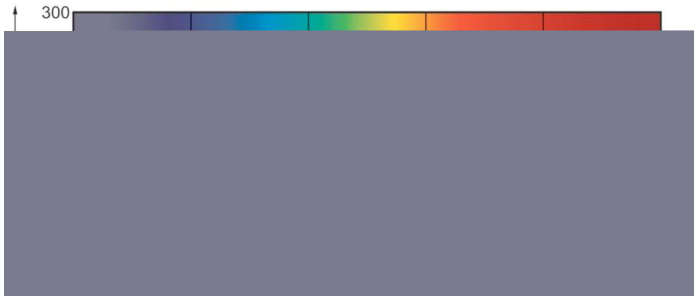

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| Product | D (max) | D | O | L (min) | L (max) | L | C (max) |
|---|---|---|---|---|---|---|---|
| MASTERColour CDM-TC 70W/830 G8.5 1CT/12 | 15 mm | 0.5 in | 7 mm | 51 mm | 53 mm | 52 mm | 85 mm |

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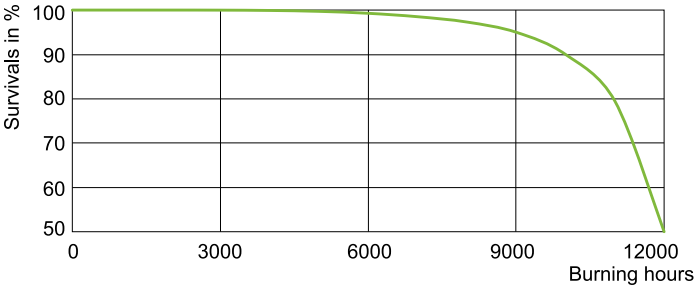
## Photometric data




## Lifetime




**LDLE_CDM-TC_0001-Life expectancy diagram**

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