



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 | | Color Designation | |
|-----------------------------|------------------------|------------------------------------|-----------------|
| Cap-Base | G8.5 [G8.5] | | Warm White (WW) |
| Operating Position | UNIVERSAL [Universal] | Lumen Maintenance 10000 h (Nom) | 65 % |
| Life to 5% Failures (Nom) | 9000 h | Lumen Maintenance 2000 h (Min) | 75 % |
| Life To 10% Failures (Nom) | 8000 h | Lumen Maintenance 2000 h (Nom) | 85 % |
| Life to 20% Failures (Nom) | 9000 h | Lumen Maintenance 5000 h (Min) | 65 % |
| Life to 50% Failures (Nom) | 12000 h | Lumen Maintenance 5000 h (Nom) | 75 % |
| ANSI Code HID | C139/E | Chromaticity Coordinate X (Nom) | 0.434 |
| Flux measurement reference | Sphere | Chromaticity Coordinate Y (Nom) | 0.398 |
| | | Correlated Color Temperature (Nom) | 3000 K |
| | | Luminous Efficacy (rated) (Nom) | 86 lm/W |
| | | Color Rendering Index (Nom) | 83 |
| Light technical | | Operating and electrical | |
| Color Code | 830 [CCT of 3000K] | Power (Rated) (Nom) | 73.2 W |
| Luminous Flux (Nom) | 6300 lm | | |
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MASTERColour CDM-TC

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|-------------------------------|--------|
| 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 | FadeBlock Quartz |
| Bulb Shape | T4 [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 |

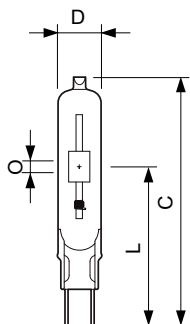
Luminaire design requirements

| | |
|---|--------|
| Bulb Temperature (Max) | 550 °C |
| Pinch Temperature (Max) | 300 °C |
| Pinch Temperature (Max)-DUP(do not use) | 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 |
| Local code description | 8348275 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 928086505131 |
| Net Weight (Piece) | 0.010 kg |
| ILCOS Code | MT/UB-70/830-H-G8.5-17/85 |

Dimensional drawing

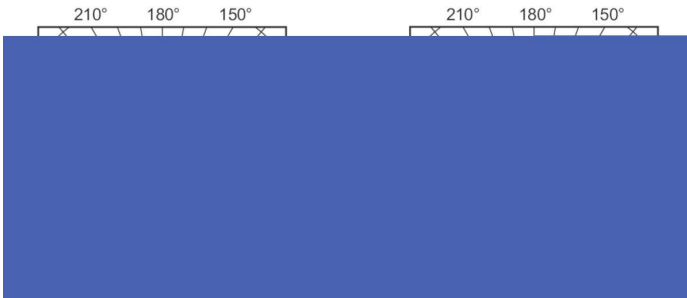


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| Product | D (max) | D | O | L (min) | L (max) | L | C (max) |
|---|---------|--------|------|---------|---------|-------|---------|
| MASTERColour CDM-TC 70W/830 G8.5 1CT/12 | 15 mm | 0.5 in | 7 mm | 51 mm | 53 mm | 52 mm | 85 mm |

MASTERCcolour CDM-TC

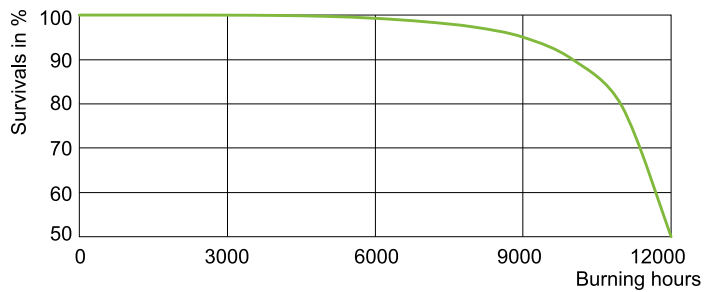
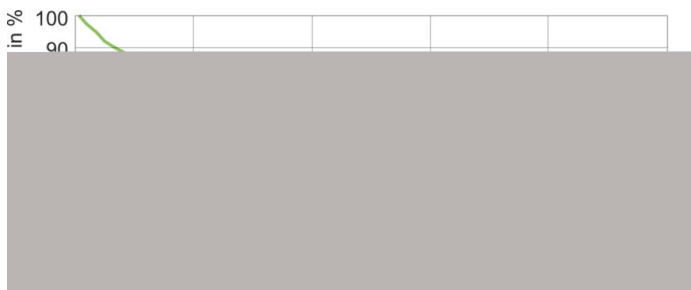
Photometric data



CDM-TC 35W, 70W /830

MASTERCcolour CDM-TC 35W, 70W /830

Lifetime



CDM-TC 70W Lumen Maintenance /830

CDM-TC 35W, 70W Life Expectancy /830, /842 G8.5

