



MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12

Single-ended, compact size, high-efficiency Ceramic Metal Halide discharge lamp

Product data

| General Information | | Colour Rendering Index,horiz (Min) | |
|---------------------------------------|----------------------------|------------------------------------|---------|
| Cap base | G8.5 [G8.5] | | 87 |
| Burning Position | UNIVERSAL [Any/Universal] | Colour Rendering Index,horiz (Nom) | 90 |
| Life to 5% failures (nom.) | 12000 h | Operating and Electrical | |
| Life to 10% failures (nom.) | 14000 h | Power (Rated) (Nom) | 39.0 W |
| Life to 20% failures (nom.) | 16000 h | Lamp current run-up (max.) | 1 A |
| Life to 50% failures (nom.) | 20000 h | Ignition supply voltage (max.) | 198 V |
| ANSI code HID | C130/E | Ignition peak voltage (max.) | 5000 V |
| Light Technical | | Ignition supply voltage (min.) | 198 V |
| Colour Code | 930 [CCT of 3,000 K] | Re-ignition time (min.) (max.) | 15 min |
| Lamp Luminous Flux (Min) | 3600 lm | Ignition time (max.) | 30 s |
| Lamp Luminous Flux (Nom) | 4000 lm | Voltage (Max) | 90 V |
| Colour Designation | Warm white (WW) | Voltage (Min) | 80 V |
| Lumen maintenance 12,000 hours (nom.) | 78 % | Voltage (Nom) | 85 V |
| Lumen maintenance 10,000 hours (nom.) | 80 % | Controls and Dimming | |
| Lumen maintenance 2,000 hours (nom.) | 93 % | Dimmable | no |
| Lumen maintenance 5,000 hours (nom.) | 88 % | Run-up time 90% (max.) | 3 min |
| Chromaticity coordinate X (nom.) | 0.435 | Run-up time 90% (nom.) | 1.5 min |
| Chromaticity coordinate Y (nom.) | 0.396 | | |
| Colour Temperature, horizontal (Nom) | 3000 K | | |
| Lamp Luminous Efficacy EM (Nom) | 102 lm/W | | |

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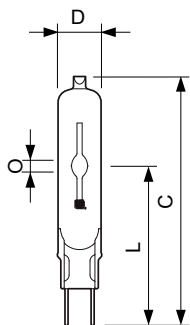
| Mechanical and Housing | |
|-------------------------------|-----------|
| Bulb finish | Clear |
| Approval and Application | |
| Energy efficiency label (EEL) | A+ |
| Mercury (Hg) content (nom.) | 4.7 mg |
| Energy Consumption kWh/1000 h | 43 kWh |
| UV | |
| PET (NIOSH) (min.) | 8 h/500lx |
| Damage factor D/fc (max.) | 0.3 |
| Luminaire Design Requirements | |
| Bulb temperature (max.) | 500 °C |
| Pinch temperature (max.) | 300 °C |

| Product Data | |
|---------------------------------|---|
| Full product code | 871869648467800 |
| Order product name | MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12 |
| EAN/UPC – product | 8718696484678 |
| Order code | 48467800 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| Material no. (I2NC) | 928189105129 |
| Net weight (piece) | 9.000 g |
| ILCOS Code | MT/UB-35/930-H-G8.5-17/85 |

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
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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.

Dimensional drawing

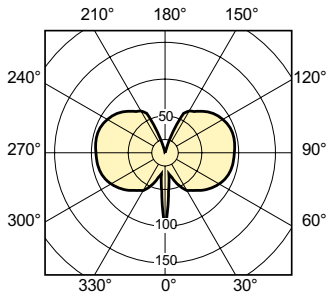


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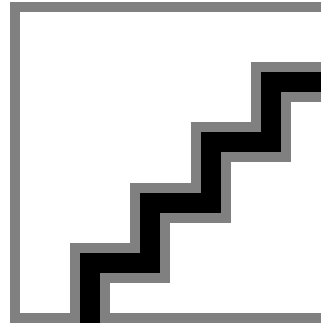
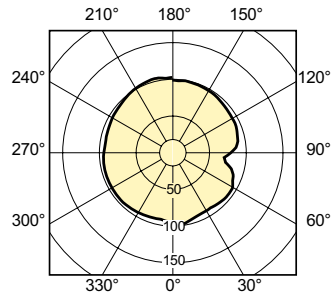
| Product | D (max) | O | L (min) | L (max) | L | C (max) |
|---|---------|--------|---------|---------|-------|---------|
| MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12 | 15 mm | 4.8 mm | 51 mm | 53 mm | 52 mm | 85 mm |

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Photometric data

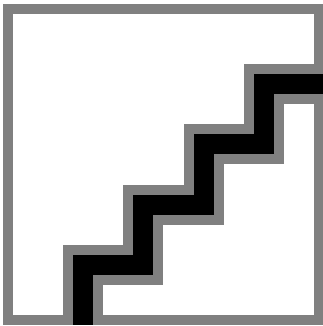


LDLD_CDMTC-E_0001-Light distribution diagram

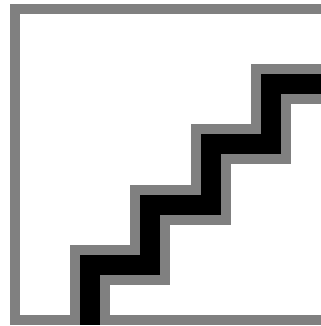


LDPO_CDMTC-E_0001-Spectral power distribution Colour

Lifetime



LDLM_CDMTC-E_0001-Lumen maintenance diagram



LDLE_CDMTC-E_0002-Life expectancy diagram

