



MASTERColour CDM-T Elite

MASTERColour CDM-T Elite 70W/930 G12 1CT/12

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

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. 35W & 70W lamps may also use electromagnetic 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.

Product data

| General Information | | | |
|---------------------------------------|----------------------------|---------------------------------------|----------|
| Cap base | G12 [G12] | Lumen maintenance 10,000 hours (nom.) | 83 % |
| Operating position | UNIVERSAL [Any/Universal] | Lumen maintenance 2,000 hours (nom.) | 95 % |
| Life to 5% failures (nom.) | 12000 h | Lumen maintenance 4,000 hours (nom.) | 90 % |
| Life to 10% failures (nom.) | 14000 h | Lumen maintenance 5,000 hours (nom.) | 88 % |
| Life to 20% failures (nom.) | 16000 h | Chromaticity coordinate X (nom.) | 0.435 |
| Life to 50% failures (nom.) | 20000 h | Chromaticity coordinate Y (nom.) | 0.396 |
| ANSI code HID | C139/E | Correlated Colour Temperature (Nom) | 3000 K |
| | | Luminous efficacy (rated) (nom.) | 103 lm/W |
| | | Colour-rendering index (min.) | 87 |
| | | Colour rendering index (nom.) | 90 |
| Light Technical | | Operating and Electrical | |
| Colour Code | 930 [CCT of 3,000 K] | Power (Rated) (Nom) | 73.2 W |
| Luminous flux (rated) (nom.) | 7800 lm | Lamp current run-up (max.) | 2 A |
| Colour designation | Warm white (WW) | Lamp current (EM) (nom.) | 1 A |
| Lumen maintenance 1,000 hours (nom.) | 97 % | | |
| Lumen maintenance 12,000 hours (nom.) | 82 % | | |

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| | |
|--------------------------------|--------|
| Ignition supply voltage (max.) | 198 V |
| Ignition peak voltage (max.) | 5000 V |
| Ignition supply voltage (min.) | 198 V |
| Re-ignition time (min.) (max.) | 15 min |
| Ignition time (max.) | 30 s |
| Voltage (Max) | 90 V |
| Voltage (Min) | 79 V |
| Voltage (Nom) | 85 V |

Controls and Dimming

| | |
|------------------------|---------|
| Dimmable | No |
| Run-up time 90% (max.) | 3 min |
| Run-up time 90% (nom.) | 1.5 min |

Mechanical and Housing

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

Approval and Application

| | |
|------------------------------------|--------|
| Energy efficiency label (EEL) | A+ |
| Mercury (Hg) content (nom.) | 6.6 mg |
| Energy consumption kWh/1,000 hours | 80 kWh |

UV

| | |
|---------------------------|-----------|
| PET (NIOSH) (min.) | 8 h/500lx |
| Damage factor D/fc (max.) | 0.3 |

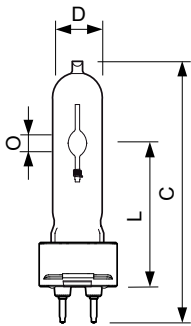
Luminaire Design Requirements

| | |
|-----------------------------|--------|
| Bulb temperature (max.) | 500 °C |
| Cap-base temperature (max.) | 250 °C |
| Pinch temperature (max.) | 350 °C |

Product Data

| | |
|-----------------------------------|--|
| Full product code | 872790091141100 |
| Order product name | MASTERColour CDM-T Elite 70W/930 G12 1CT/12 |
| EAN/UPC – product | 8727900911411 |
| Order code | 91141100 |
| Local order code | CDMTELITE70930 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| SAP material | 928185305131 |
| SAP net weight (piece) | 0.029 kg |
| ILCOS code | MT/UB-70/930-H-G12-20/90 |

Dimensional drawing

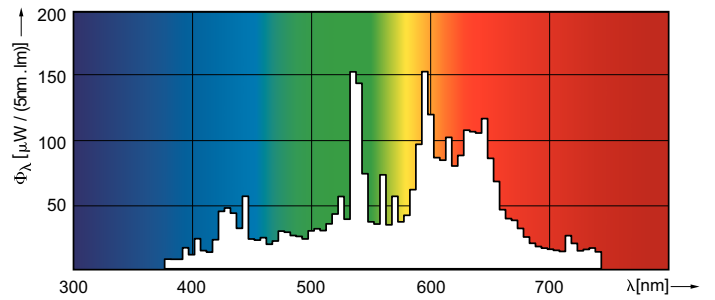


CDM-T Elite 70W/930 G12

| Product | D (max) | O | L (min) | L (max) | L | C (max) |
|--|---------|------------|---------|---------|-------|---------|
| MASTERColour CDM-T Elite 70W/930 G12 1CT/12 | 20 mm | 7.15 mm | 55 mm | 57 mm | 56 mm | 103 mm |

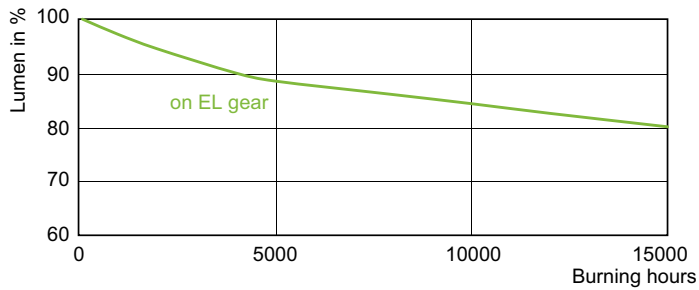
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Photometric data

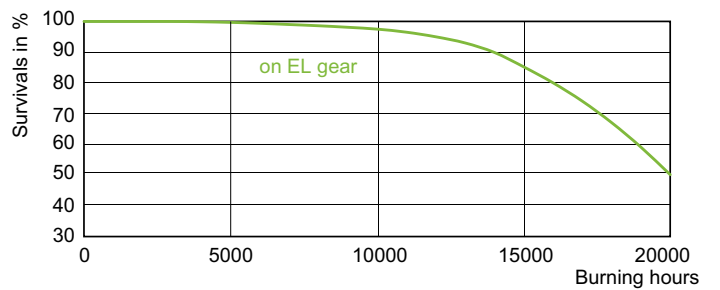


LDPO_CDM-T-E_0002-Spectral power distribution Colour

Lifetime



LDLM_CDM-T-E_0007-Lumen maintenance diagram



LDLE_CDM-T-E_0006-Life expectancy diagram

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