



MASTERCcolour CDM-TC Elite

MASTERCcolour CDM-TC Elite 50W/930 G8.5 1CT/12

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

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.

Product data

| General Information | |
|------------------------------|-----------------------------------|
| Cap base | G8.5 [G8.5] |
| Operating position | UNIVERSAL [Any or Universal (U)] |
| Life to 5% failures (nom.) | 12000 h |
| Life to 10% failures (nom.) | 14000 h |
| Life to 20% failures (nom.) | 16000 h |
| Life to 50% failures (nom.) | 20000 h |
| ANSI code HID | - |
| Light Technical | |
| Colour Code | 930 [CCT of 3,000 K] |
| Luminous flux (rated) (min.) | 4900 lm |

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|---------------------------------------|-----------------|
| Luminous flux (rated) (nom.) | 5400 lm |
| Colour designation | Warm White (WW) |
| Lumen maintenance 12,000 hours (nom.) | 82 % |
| Lumen maintenance 10,000 hours (nom.) | 83 % |
| Lumen maintenance 2,000 hours (nom.) | 95 % |
| Lumen maintenance 5,000 hours (nom.) | 88 % |
| Chromaticity coordinate X (nom.) | 0.435 |
| Chromaticity coordinate Y (nom.) | 0.396 |
| Correlated Colour Temperature (Nom) | 3000 K |
| Luminous efficacy (rated) (nom.) | 108 lm/W |
| Colour-rendering index (min.) | 88 |

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|---------------------------------|--------|
| Colour rendering index (nom.) | 91 |
| Operating and Electrical | |
| Power (Rated) (Nom) | 50.2 W |
| Lamp current run-up (max.) | 2 A |
| 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) | 96 V |
| Voltage (Min) | 84 V |
| Voltage (Nom) | 90 V |
| Controls and Dimming | |
| Dimmable | No |
| Run-up time 90% (max.) | 3 min |
| Mechanical and Housing | |
| Lamp Finish | Clear |
| Approval and Application | |
| Energy efficiency label (EEL) | A+ |
| Mercury (Hg) content (nom.) | 6.6 mg |

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|--------------------------------------|---|
| Energy consumption kWh/1,000 hours | 55 kWh |
| 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.) | 350 °C |
| Product Data | |
| Full product code | 872790093062700 |
| Order product name | MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12 |
| EAN/UPC – product | 8727900930627 |
| Order code | 93062700 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| SAP material | 928191805131 |
| SAP net weight (piece) | 0.010 kg |
| ILCOS code | MT/UB-50/930-H-G8.5-17/85 |

Dimensional drawing

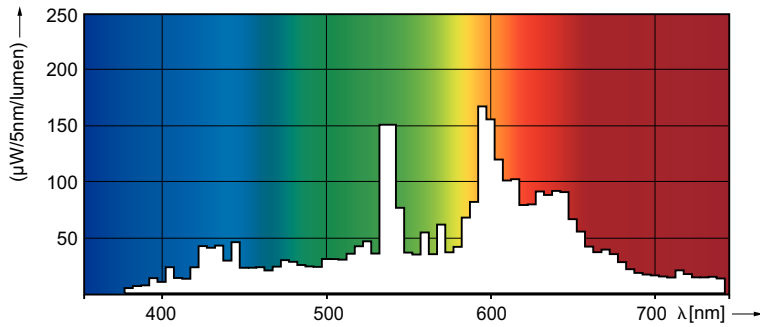
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| Product | D (max) | O | L (min) | L (max) | L | C (max) |
|---|---------|------|---------|---------|-------|---------|
| MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12 | 15 mm | 6 mm | 51 mm | 53 mm | 52 mm | 85 mm |

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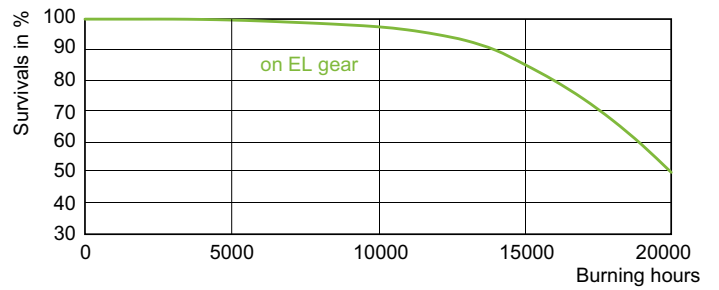
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Photometric data



LDPO_CDMTC-E_50W_930-Spectral power distribution Colour

Lifetime



LDLE_CDMTC-E_0002-Life expectancy diagram

