



MASTERColour CDM-T

MASTERColour CDM-T 150W/942 G12 1CT

Range of single-ended, 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)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control 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 | G12 [G12] |
| Operating position | UNIVERSAL [Any or Universal (U)] |
| Life to 5% failures (nom.) | 9000 h |
| Life to 10% failures (nom.) | 10000 h |
| Life to 20% failures (nom.) | 11000 h |
| Life to 50% failures (nom.) | 12000 h |
| ANSI code HID | C142/E |
| Light Technical | |
| Colour Code | 942 [CCT of 4,200 K] |
| Luminous flux (rated) (min.) | 10900 lm |
| Luminous flux (rated) (nom.) | 12100 lm |

| | |
|---------------------------------------|-----------------|
| Colour designation | Cool White (CW) |
| Lumen maintenance 10,000 hours (nom.) | 70 % |
| Lumen maintenance 2,000 hours (min.) | 75 % |
| Lumen maintenance 2,000 hours (nom.) | 85 % |
| Lumen maintenance 5,000 hours (min.) | 70 % |
| Lumen maintenance 5,000 hours (nom.) | 80 % |
| Chromaticity coordinate X (nom.) | 0.375 |
| Chromaticity coordinate Y (nom.) | 0.363 |
| Correlated Colour Temperature (Nom) | 4200 K |
| Luminous efficacy (rated) (nom.) | 82 lm/W |
| Colour rendering index (nom.) | 96 |

MASTERCcolour CDM-T

Operating and Electrical

| | |
|--------------------------------|---------|
| Power (Rated) (Nom) | 150.1 W |
| Lamp current run-up (max.) | 2.5 A |
| Lamp current (EM) (nom.) | 1.9 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) | 98 V |
| Voltage (Min) | 82 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.) | 10.4 mg |

| | |
|------------------------------------|---------|
| Energy consumption kWh/1,000 hours | 162 kWh |
|------------------------------------|---------|

UV

| | |
|---------------------------|-----------|
| PET (NIOSH) (min.) | 8 h/500lx |
| Damage factor D/fc (max.) | 0.4 |

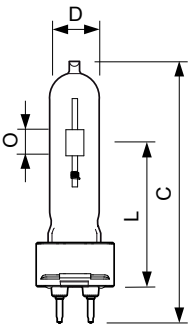
Luminaire Design Requirements

| | |
|-----------------------------|--------|
| Bulb temperature (max.) | 650 °C |
| Cap-base temperature (max.) | 280 °C |
| Pinch temperature (max.) | 350 °C |

Product Data

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|---------------------------------|--------------------------------------|
| Full product code | 871150020005115 |
| Order product name | MASTERCcolour CDM-T 150W/942 G12 1CT |
| EAN/UPC – product | 8711500200051 |
| Order code | 20005115 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| SAP material | 928084605131 |
| SAP net weight (piece) | 0.033 kg |
| ILCOS code | MT/UB-150/942-H-G12-21/100 |

Dimensional drawing

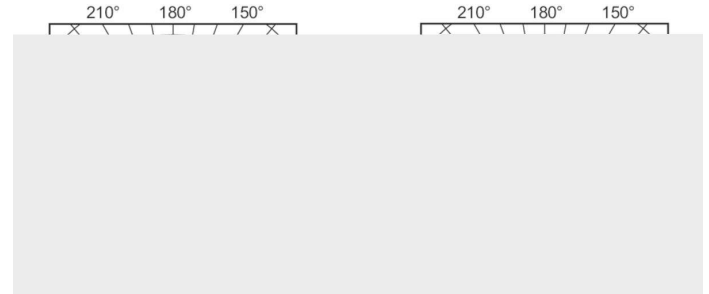


CDM-T 150W/942 G12

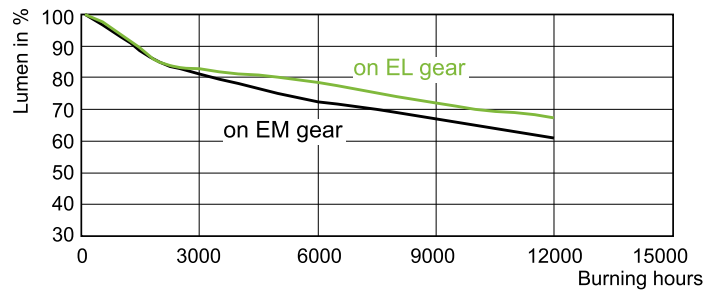
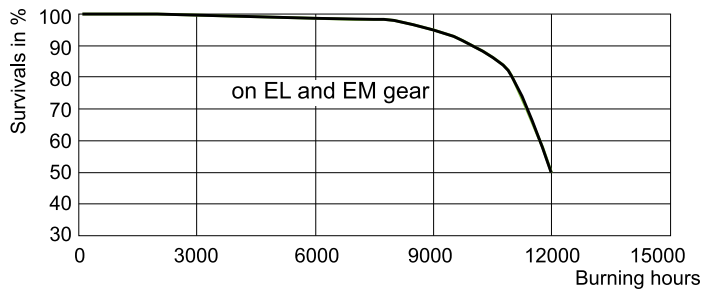
| Product | D (max) | D | O | L (min) | L (max) | L | C (max) |
|--------------------------------------|---------|---------|------|---------|---------|-------|---------|
| MASTERCcolour CDM-T 150W/942 G12 1CT | 20 mm | 0.75 in | 8 mm | 55 mm | 57 mm | 56 mm | 110 mm |

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Photometric data



Lifetime



LDLE_CDM-T_150W_942-Life expectancy diagram

LDLM_CDM-T_150W_942-Lumen maintenance diagram

