



MASTERCcolour CDM-T Elite

MASTERCcolour CDM-T Elite 70W/930 G12 1CT

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

Product data

• General Characteristics

| | |
|-------------------------|---------------------|
| Cap-Base | G12 |
| Bulb | T19 [T 19mm] |
| Bulb Finish | Clear |
| Burning Position | any [Any/Universal] |
| Life to 50% failures EL | 15000 hr |
| Life to 5% failures EL | 9000 hr |
| Life to 20% failures EL | 12000 hr |
| Life to 10% failures EL | 10000 hr |

• Light Technical Characteristics

| | |
|------------------------------|------------------------|
| Colour Code | 930 [CCT of 3000K] |
| Colour Rendering Index | 87 (min), 90 (nom) Ra8 |
| Colour Designation | Warm white |
| Colour Temperature | 3000 K |
| Colour Temperature Technical | 2970 K |
| Chromaticity Coordinate X | 0.435 - |
| Chromaticity Coordinate Y | 0.396 - |
| Lamp Luminous Flux EM | 7500 Lm |
| Lamp Luminous Flux EL | 7750 Lm |
| Lamp Luminous Efficacy EM | 103 Lm/W |
| Lamp Luminous Efficacy EL | 106 Lm/W |
| Lumen Maintenance EL 2000h | 94 % |

| | |
|-----------------------------|---------|
| Lumen Maintenance EL 5000h | 88 % |
| Lumen Maintenance EL 10000h | 83 % |
| Lumen Maintenance EL 12000h | 82 % |
| Design Mean Lumens EL | 6730 Lm |

• Electrical Characteristics

| | |
|------------------------|--------------|
| System Power EL | 80 W |
| Lamp Wattage | 70 W |
| Lamp Wattage EM | 72 W |
| Lamp Wattage EL | 73 W |
| Lamp Voltage | 84 V |
| Lamp Current EM | 1 A |
| Lamp Current EL | 0.89 A |
| Ignition Time | 30 (max) s |
| Run-up time 90% | 3 (max) min |
| Re-ignition Time [min] | 15 (max) min |
| Dimmable | no |

• Environmental Characteristics

| | |
|----------------------|--------|
| Mercury (Hg) Content | 6.6 mg |
|----------------------|--------|

• UV-related Characteristics

| | |
|--------------------------------|---|
| Damage Factor D/fc PET (NIOSH) | 0.2 (nom), 0.3 (max) - 8 (min), 64 (nom) h500lx |
|--------------------------------|---|



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sense and simplicity

• Luminaire Design Requirements

| | |
|----------------------|-------------|
| Cap-Base Temperature | 250 (max) C |
| Pinch Temperature | 350 (max) C |
| Bulb Temperature | 500 (max) C |

• Product Dimensions

| | |
|------------------------------|---------------------------------------|
| Reference Length A | 90 (max) mm |
| Overall Length C | 103 (max) mm |
| Diameter D | 20 (max) mm |
| Light Center Length L | 55 (min), 56 (nom), 57 (max) mm |
| Arc Length O | 7.15 mm |
| Light Center Length L [inch] | 2.16 (min), 2.20 (nom), 2.24 (max) in |
| Overall Length C [inch] | 4 (max) in |
| Diameter D [inch] | 0.79 (max) in |

• Product Data

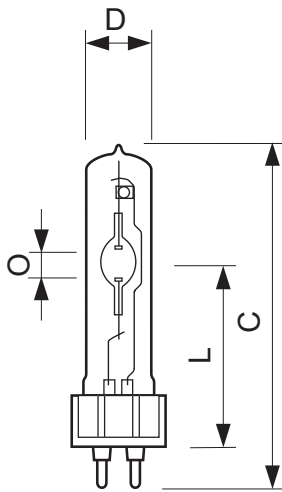
| | |
|-----------------------------|--|
| Order code | 911411 00 |
| Full product code | 872790091141100 |
| Full product name | MASTERColour CDM-T Elite 70W/930 G12 1CT |
| Order product name | MASTERC CDM-T Elite 70W/930 G12 1CT/12 |
| Pieces per pack | 1 |
| Packing configuration | 12 |
| Packs per outerbox | 12 |
| Bar code on pack - EAN1 | 8727900911411 |
| Bar code on outerbox - EAN3 | 8727900911428 |
| Logistic code(s) - 12NC | 928185305131 |
| Net weight per piece | 0.029 kg |

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

- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

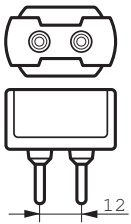
Dimensional drawing



CDM-T Elite 35W - 100W G12

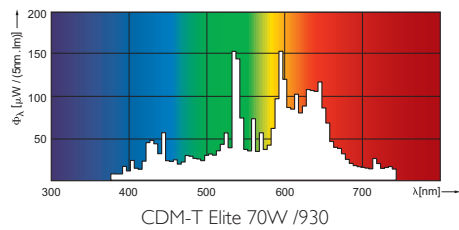
| Product | C (Max) | D (Max) | L (Min) | L (Norm) | L (Max) | O (Norm) |
|--------------------------|---------|---------|---------|----------|---------|----------|
| CDM-T ACCENT 70W/930 G12 | 103 | 20 | 55 | 56 | 57 | 7.15 |

Dimensional drawing



G12

Photometric data



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data subject to change