



# MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12

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

## 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              | C139/E                            |

### • Light Technical

|                                      |                     |
|--------------------------------------|---------------------|
| Colour Code                          | 930 [ CCT of 3000K] |
| Luminous Flux (Rated) (Nom)          | 7800 lm             |
| Colour Designation                   | Warm White (WW)     |
| Lumen Maintenance 12000 h (Nom)      | 82 %                |
| Lumen Maintenance 10000 h (Nom)      | 83 %                |
| Lumen Maintenance 2000 h (Nom)       | 95 %                |
| Lumen Maintenance 5000 h (Nom)       | 88 %                |
| Chromaticity                         | 0.435               |
| Coordinate X (Nom)                   |                     |
| Chromaticity                         | 0.396               |
| Coordinate Y (Nom)                   |                     |
| Colour Temperature, horizontal (Nom) | 3000 K              |
| Luminous Efficacy (rated) (Nom)      | 107 lm/W            |
| Colour Rendering Index horiz (Min)   | 87                  |

|                                    |    |
|------------------------------------|----|
| Colour Rendering Index horiz (Nom) | 90 |
|------------------------------------|----|

### • Operating and Electrical

|                               |        |
|-------------------------------|--------|
| Power (Rated) (Nom)           | 73.0 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)                 | 90 V   |
| Voltage (Min)                 | 80 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

|             |            |
|-------------|------------|
| Bulb Finish | Clear (CL) |
|-------------|------------|

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## • Approval and Application

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Label       | A+     |
| Mercury (Hg) Content (Nom)    | 6.6 mg |
| Energy Consumption kWh/1000 h | 80 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

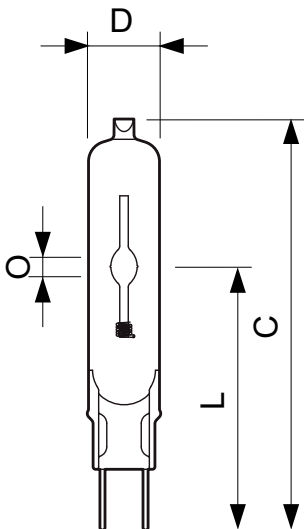
|                                 |   |
|---------------------------------|---|
| Full product code               | 872790091153400                               |
| Order product name              | MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12 |
| EAN/UPC - Product               | 8727900911534                                 |
| Order code                      | 91153400                                      |
| Numerator -                     | 1   |
| Quantity Per Pack               |   |
| Numerator - Packs per outer box | 12  |
| Material Nr. (12NC)             | 928189505131                                  |
| Net Weight (Piece)              | 0.010 kg                                      |
| ILCOS Code                      | MT/UB-70/930-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

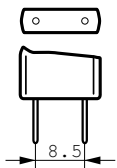


CDM-TC Elite

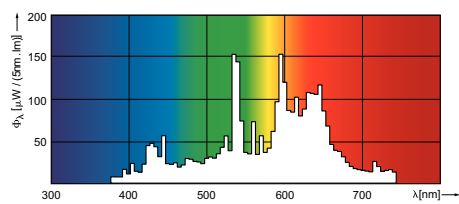
## CDM-TC Elite 70W/930 G8.5

| Product                                       | D     | O       | L     | L     | L     | C     |
|---|-------|---------|-------|-------|-------|-------|
| MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12 | 15 mm | 7.15 mm | 51 mm | 53 mm | 52 mm | 85 mm |

## Dimensional drawing



## Photometric data



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2015, December 28  
data subject to change