

**PHILIPS**

Lighting



# MASTERColour CDM-TC Elite

## MASTERColour CDM-TC Elite 70W/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               | C139/E                            |
| Light Technical             |                                   |
| Color Code                  | 930 [ CCT of 3000K]               |
| Luminous Flux (Rated) (Nom) | 7800 lm                           |

|                                    |                 |
|------------------------------------|-----------------|
| Color 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 Coordinate X (Nom)    | 0.435           |
| Chromaticity Coordinate Y (Nom)    | 0.396           |
| Correlated Color Temperature (Nom) | 3000 K          |
| Luminous Efficacy (rated) (Nom)    | 107 lm/W        |
| Color Rendering Index (Min)        | 87              |
| Color Rendering Index (Nom)        | 90              |

# MASTERCcolour CDM-TC Elite

| Operating and Electrical      |        |
|-------------------------------|--------|
| Power (Nom)                   | 73.2 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)                 | 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 |

| Approval and Application      |        |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | 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              | MASTERCcolour CDM-TC Elite 70W/930 G8.5 1CT/12 |
| EAN/UPC - Product               | 8727900911534                                  |
| Order code                      | 928189505131                                   |
| Numerator - Quantity Per Pack   | 1  |
| 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                      |

## Dimensional drawing

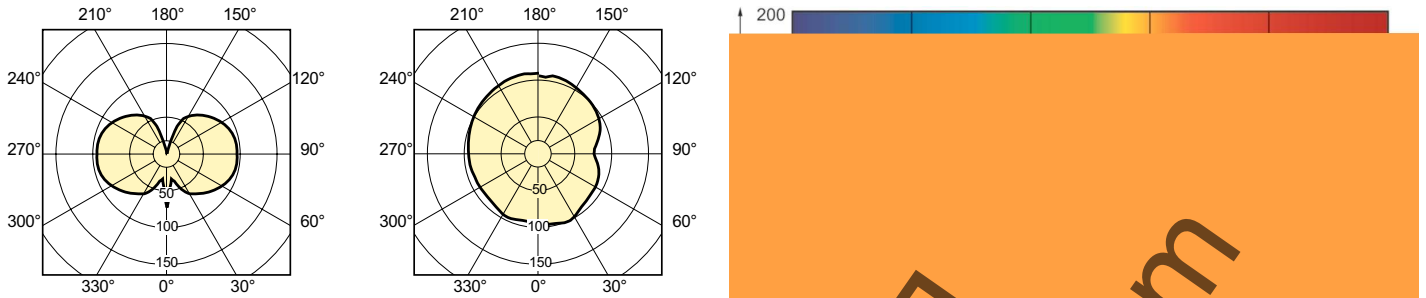
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| Product  | D (max) | O       | L (min) | L (max) | L     | C (max) |
|--|---------|---------|---------|---------|-------|---------|
| MASTERCcolour CDM-TC Elite 70W/930 G8.5 1CT/12 | 15 mm   | 7.15 mm | 51 mm   | 53 mm   | 52 mm | 85 mm   |

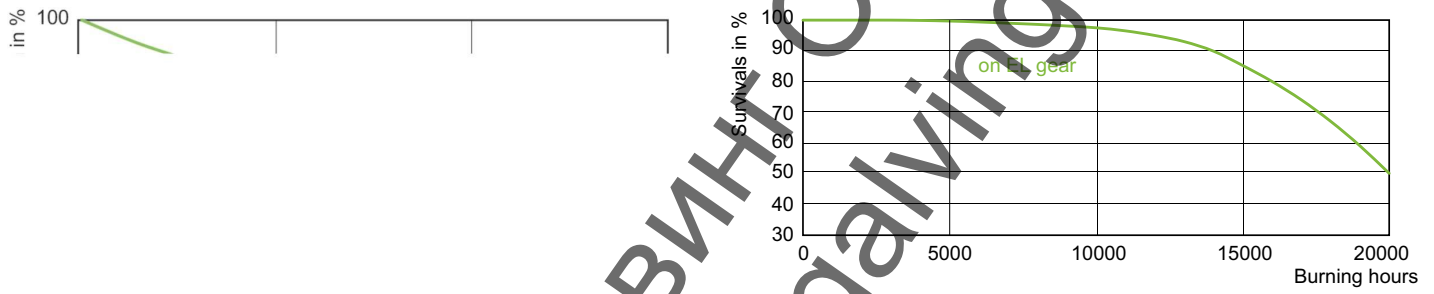
CDM-TC Elite 70W/930 G8.5

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## Photometric data



## Lifetime



LDLE\_CDMTC-E\_0002-Life expectancy diagram

