



MASTERColour CDM-TC Elite

MASTERC CDM-TC Elite 70W/942 G8.5 1CT

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

Warnings and Safety

- · Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- \cdot The luminaire must be able to contain hot lamp parts if the lamp ruptures
- \cdot 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 50% Failures (Nom) | 15,000 hour(s) | | | | |
| | | | | | |
| Light Technical | | | | | |
| Color Code | 942 [CCT of 4200K] | | | | |
| Color Designation | Cool White (CW) | | | | |
| Chromaticity Coordinate X (Nom) | 0.365 | | | | |
| Chromaticity Coordinate Y (Nom) | 0.363 | | | | |
| Correlated Color Temperature (Nom) | 4200 K | | | | |
| Luminous Efficacy (rated) (Nom) | 102 lm/W | | | | |
| Color rendering index (CRI) | 92 | | | | |
| Arc Length O (Nom) | 7.75 mm | | | | |
| | | | | | |

| Operating and Electrical | | | | | |
|----------------------------|---------------|--|--|--|--|
| Power Consumption | 73.2 W | | | | |
| Voltage (Nom) | 88 V | | | | |
| Voltage (Nom) | 88 V | | | | |
| | | | | | |
| Controls and Dimming | | | | | |
| Dimmable | No | | | | |
| | | | | | |
| Mechanical and Housing | | | | | |
| Bulb Finish | Clear | | | | |
| Bulb Shape | T14 [T 14 mm] | | | | |
| | | | | | |
| Approval and Application | | | | | |
| Mercury (Hg) Content (Nom) | 6.6 mg | | | | |

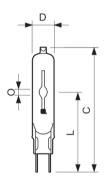
Datasheet, 2023, April 14 data subject to change

MASTERColour CDM-TC Elite

| Energy Consumption kWh/1000 h | 80 kWh | | | | |
|-------------------------------|---------------------------------------|--|--|--|--|
| | | | | | |
| | | | | | |
| Product Data | | | | | |
| Order product name | MASTERC CDM-TC Elite 70W/942 G8.5 1CT | | | | |
| | | | | | |
| Full product name | MASTERC CDM-TC Elite 70W/942 G8.5 1CT | | | | |
| Full product code | 871869648473900 | | | | |
| | | | | | |
| Order code | 928193905129 | | | | |

| Material Nr. (12NC) | 928193905129 |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696484739 |
| Numerator - Packs per outer box | 12 |
| EAN/UPC - Case | 8718696484746 |
| | |

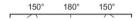
Dimensional drawing

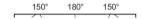


| Product | D (max) | 0 | L (min) | L (max) | L | C (max) |
|----------------------|---------|---------|---------|---------|-------|---------|
| MASTERC CDM-TC Elite | 15 mm | 7.75 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| 70W/942 G8.5 1CT | | | | | | |

Photometric data





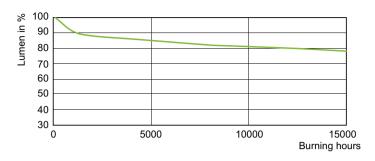


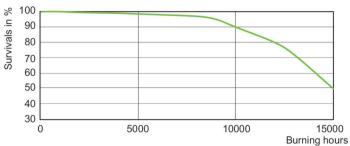
Spectral Power Distribution Colour - MASTERC CDM-TC Elite 70W/942 G8.5 1CT

Light Distribution Diagram - MASTERC CDM-TC Elite 70W/942 G8.5 1CT

MASTERColour CDM-TC Elite

Lifetime





Lumen Maintenance Diagram - MASTERC CDM-TC Elite 70W/942 G8.5 1CT

Life Expectancy Diagram - MASTERC CDM-TC Elite 70W/942 G8.5 1CT



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.