



# MasterColor CDM-TC T4

## MasterColor CDM-TC 35W/842 G8.5.1CT/12

MasterColor CDM lamp gives a unique combination of unbeatable light quality and consistent performance over lifetime while keeping running costs low. The Philips MasterColor Tubular Single-Ended T4 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

### Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

### Product data

| General Information         |                        |
|-----------------------------|------------------------|
| Base                        | G8.5 [ G8.5]           |
| Operating Position          | Universal [ Universal] |
| Life to 5% Failures (Nom)   | 6000 h                 |
| Life To 10% Failures (Nom)  | 10000 h                |
| Life to 20% Failures (Nom)  | 9000 h                 |
| Life to 50% Failures (Nom)  | 12000 h                |
| ANSI Code HID               | C130/E                 |
| Light Technical             |                        |
| Color Code                  | 842 [ CCT of 4200K]    |
| Luminous Flux (Rated) (Nom) | 3100 lm                |
| Color Designation           | Cool White (CW)        |

| Lumen Maintenance 10000 h (Nom)    | 70 %    |
|------------------------------------|---------|
| Lumen Maintenance 2000 h (Min)     | 75 %    |
| Lumen Maintenance 2000 h (Nom)     | 85 %    |
| Lumen Maintenance 5000 h (Min)     | 70 %    |
| Lumen Maintenance 5000 h (Nom)     | 80 %    |
| Chromaticity Coordinate X (Nom)    | 0.370   |
| Chromaticity Coordinate Y (Nom)    | 0.365   |
| Correlated Color Temperature (Nom) | 4200 K  |
| Luminous Efficacy (rated) (Nom)    | 79 lm/W |
| Color Rendering Index (Nom)        | 85      |
| Operating and Electrical           |         |
| Power (Rated) (Min)                | 39.0 W  |

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|                               |        |
|-------------------------------|--------|
| Power (Rated) (Nom)           | 35 W   |
| Ignition Supply Voltage (Max) | 198 V  |
| Ignition Supply Voltage (Min) | 198 V  |
| Re-Ignition Time (Min) (Max)  | 15 min |
| Ignition Time (Max)           | 30 s   |
| Voltage (Max)                 | 93 V   |
| Voltage (Min)                 | 77 V   |
| Voltage (Nom)                 | 85 V   |

## Controls and Dimming

|                       |       |
|-----------------------|-------|
| Dimmable              | No    |
| Run-Up Time 90% (Max) | 3 min |

## Mechanical and Housing

|               |                 |
|---------------|-----------------|
| Bulb Finish   | Clear           |
| Bulb Material | UV-Block Quartz |

## Approval and Application

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | A+     |
| Mercury (Hg) Content (Nom)    | 2.7 mg |
| Energy Consumption kWh/1000 h | 43 kWh |

## UV

|                          |           |
|--------------------------|-----------|
| Pet (Niosh) (Min)        | 8 h/500lx |
| Damage Factor D/fc (Max) | 0.5       |

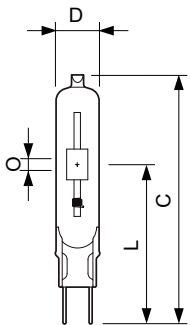
## Luminaire Design Requirements

|                         |        |
|-------------------------|--------|
| Bulb Temperature (Max)  | 500 °C |
| Pinch Temperature (Max) | 300 °C |

## Product Data

|                                 |  |
|---------------------------------|--|
| Order product name              | MasterColor CDM-TC 35W/842 G8.5.1CT/12 |
| EAN/UPC - Product               | 046677208837                           |
| Order code                      | 208835                                 |
| Numerator - Quantity Per Pack   | 1                                      |
| Numerator - Packs per outer box | 12                                     |
| Material Nr. (12NC)             | 928099905115                           |
| Net Weight (Piece)              | 0.010 kg                               |
| ILCOS Code                      | MT/UB-35/842-H-G8.5-17/85              |

## Dimensional drawing



CDM-TC 35W/842 G8.5

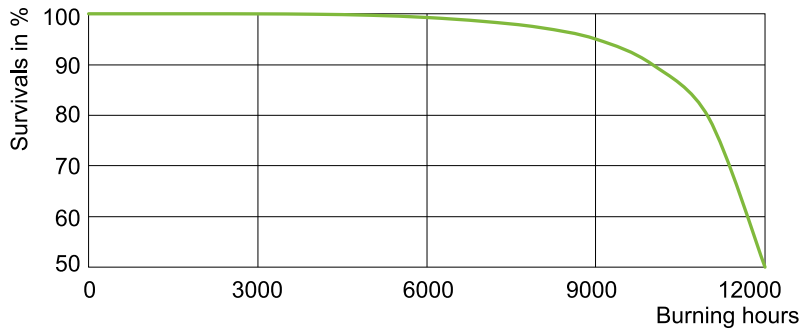
| Product                                   | D (max) | D      | O    | L (min) | L (max) | L     | C (max) |
|---|---------|--------|------|---------|---------|-------|---------|
| MasterColor CDM-TC<br>35W/842 G8.5.1CT/12 | 15 mm   | 0.5 in | 5 mm | 51 mm   | 53 mm   | 52 mm | 85 mm   |

## Photometric data



## MasterColor CDM-TC T4

### Lifetime



LDLE\_CDM-TC\_0001-Life expectancy diagram

