



# Beautiful sparkle, reliable life

## MASTERColour CDM-TC

Range of single-ended, very compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light

### Benefits

- Long lamp life compared with incandescent and halogen lamps
- UV-Block quartz outer bulb for reduced fading risks
- Stable color impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation (which enhances comfort for shoppers and staff)

### Features

- Crisp white light
- Superior color quality
- Allows very small-size luminaires designs that give high beam intensities

### Application

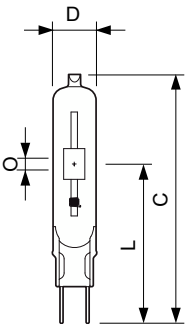
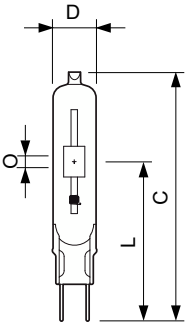
- Accent lighting display lighting with sparkling effect
- General and decorative lighting

### 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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic gear.
- 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.

# MASTERColour CDM-TC

## Dimensional drawing



| Product                               | D (max) | D        | O    | L (min) | L (max) | L     | C (max) |
|---------------------------------------|---------|----------|------|---------|---------|-------|---------|
| MASTERC CDM-TC<br>35W/830 G8.5 1CT/12 | 15 mm   | 0.5 inch | 5 mm | 51 mm   | 53 mm   | 52 mm | 85 mm   |

| Product                               | D (max) | D        | O    | L (min) | L (max) | L     | C (max) |
|---------------------------------------|---------|----------|------|---------|---------|-------|---------|
| MASTERC CDM-TC<br>70W/830 G8.5 1CT/12 | 15 mm   | 0.5 inch | 7 mm | 51 mm   | 53 mm   | 52 mm | 85 mm   |

| General Information                |                 |
|------------------------------------|-----------------|
| Cap-Base                           | G8.5            |
| Operating Position                 | UNIVERSAL       |
| Light Technical                    |                 |
| Color Designation                  | Warm White (WW) |
| Correlated Color Temperature (Nom) | 3000 K          |
| Controls and Dimming               |                 |
| Dimmable                           | No              |
| Mechanical and Housing             |                 |
| Bulb Finish                        | Clear           |
| Bulb Material                      | UV-Block Quartz |
| Bulb Shape                         | T14             |

## Light Technical (1/2)

| Order Code | Full Product Name                          | Chromaticity          | Chromaticity          | Color                    | Luminous                  |
|------------|--------------------------------------------|-----------------------|-----------------------|--------------------------|---------------------------|
|            |                                            | Coordinate X<br>(Nom) | Coordinate Y<br>(Nom) | rendering<br>index (CRI) | Efficacy (rated)<br>(Nom) |
| 48459300   | MASTERColour CDM-TC<br>35W/830 G8.5 1CT/12 | 0.432                 | 0.394                 | 81                       | 79 lm/W                   |
| 20167615   | MASTERColour CDM-TC<br>70W/830 G8.5 1CT/12 | 0.434                 | 0.398                 | 83                       | 86 lm/W                   |

## Light Technical (2/2)

| Order Code | Full Product Name                       | Luminous Flux |
|------------|-----------------------------------------|---------------|
| 48459300   | MASTERColour CDM-TC 35W/830 G8.5 1CT/12 | -             |

| Order Code | Full Product Name                       | Luminous Flux |
|------------|-----------------------------------------|---------------|
| 20167615   | MASTERColour CDM-TC 70W/830 G8.5 1CT/12 | 6,300 lm      |

## Operating and Electrical

| Order Code | Full Product Name                          | Power         |             |
|------------|--------------------------------------------|---------------|-------------|
|            |                                            | Voltage (Nom) | Consumption |
| 48459300   | MASTERColour CDM-TC 35W/830<br>G8.5 1CT/12 | 88 V          | 39.1 W      |

MASTERColour CDM-TC

| Order Code | Full Product Name                          | Voltage (Nom) | Power       |
|------------|--------------------------------------------|---------------|-------------|
|            |                                            |               | Consumption |
| 20167615   | MASTERColour CDM-TC 70W/830<br>G8.5 1CT/12 | 83 V          | 73.2 W      |

Approval and Application

| Order Code | Full Product Name                          | Energy                    | Mercury                  | Mercury               |
|------------|--------------------------------------------|---------------------------|--------------------------|-----------------------|
|            |                                            | Consumption<br>kWh/1000 h | (Hg)<br>Content<br>(Max) | (Hg) Content<br>(Nom) |
| 48459300   | MASTERColour CDM-TC<br>35W/830 G8.5 1CT/12 | 43 kWh                    | -                        | 3.1 mg                |
| 20167615   | MASTERColour CDM-TC<br>70W/830 G8.5 1CT/12 | 74 kWh                    | 4.6 mg                   | 4.6 mg                |



