PHILIPS Lighting



Product Description

MASTERColour CDM-TC Elite

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

Benefits

- Outstanding rendering of displayed merchandise due to high colour rendering (Ra 90) in combination with high lumen output; best offer in the market for 'enhancing merchandize'
- Excellent colour quality remains stable over lifetime
- Light output over lifetime maintains display brightness
- High efficacy and long lifetime for lowest operating costs and low heat generation
- Relatively low heat generation enhances comfort for shoppers and staff
- UV Block for reduced fading risk of merchandise
- · Allows design of very compact luminaires with high beam intensities

Features

- \cdot Crisp white light
- Excellent colour rendering (Ra 90)
- Reliable lifetime performance
- \cdot Stable colour performance during lifetime
- Increased light output compared with regular MASTERColour lamps
- Improved maintenance compared with regular MASTERColour lamps
- Burning position for
- CDM Elite-TC 35W: vertical +/- 60 degrees
- CDM Elite-TC 70W: universal

Application

- · Accent and display lighting with a sparkling effect, excellent solution for Retail
- \cdot General and decorative lighting

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.

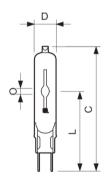
Versions

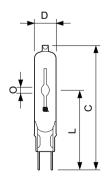




LPPR CDM-TC 0001

Dimensional drawing







LPPR CDMTC-E 0003

| Product | D (max) | 0 | L (min) | L (max) | L | C (max) |
|------------------------------|---------|---------|---------|---------|-------|---------|
| MASTERC CDM-TC Elite | 15 mm | 4.8 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| 35W/930 G8.5 1CT/12 | | | | | | |
| MASTERC CDM-TC Elite 35W/942 | 15 mm | 5.2 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| G8.5 1CT | | | | | | |
| MASTERC CDM-TC Elite | 15 mm | 6 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| 50W/930 G8.5 1CT/12 | | | | | | |
| MASTERC CDM-TC Elite | 15 mm | 7.15 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| 70W/930 G8.5 1CT/12 | | | | | | |
| MASTERC CDM-TC Elite | 15 mm | 7.75 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| 70W/942 G8.5 1CT | | | | | | |
| | | | | | | |

| Product | D (max) | D | 0 | L (min) | L (max) | L | C (max) |
|----------------------|---------|-----------|------|---------|---------|-------|---------|
| MASTERC CDM-TC Elite | 15 mm | 0.55 inch | 4 mm | 51 mm | 53 mm | 52 mm | 85 mm |
| 20W/830 G8.5 1CT/12 | | | | | | | |

MASTERColour CDM-TC Elite

| General Information | |
|------------------------|-----------|
| Cap-Base | G8.5 |
| Operating Position | UNIVERSAL |
| | |
| Controls and Dimming | |
| Dimmable | No |
| | |
| Mechanical and Housing | |
| Bulb Finish | Clear |
| Bulb Shape | T14 |

Light Technical

| | Chromaticity | Chromaticity | | | Color | | |
|------------------------------|---|---|---|---|--|---|--|
| | Coordinate X | Coordinate Y | | Correlated Color | rendering | Luminous Efficacy | Luminous |
| Full Product Name | (Nom) | (Nom) | Color Designation | Temperature (Nom) | index (CRI) | (rated) (Nom) | Flux |
| MASTERC CDM-TC Elite | 0.434 | 0.398 | Warm White (WW) | 3000 K | 85 | 87 lm/W | 1,750 lm |
| 20W/830 G8.5 1CT/12 | | | | | | | |
| MASTERC CDM-TC Elite 35W/930 | 0.435 | 0.396 | Warm White (WW) | 3000 K | 90 | 102 lm/W | - |
| G8.5 1CT/12 | | | | | | | |
| MASTERC CDM-TC Elite 35W/942 | 0.371 | 0.366 | Cool White (CW) | 4200 K | 90 | 97 lm/W | - |
| G8.5 1CT | | | | | | | |
| MASTERC CDM-TC Elite 70W/930 | 0.435 | 0.396 | Warm White (WW) | 3000 K | 90 | 107 lm/W | - |
| G8.5 1CT/12 | | | | | | | |
| MASTERC CDM-TC Elite 70W/942 | 0.365 | 0.363 | Cool White (CW) | 4200 K | 92 | 102 lm/W | - |
| G8.5 1CT | | | | | | | |
| MASTERC CDM-TC Elite | 0.434 | 0.398 | Warm White (WW) | 3000 K | 91 | 108 lm/W | 5,400 lm |
| 50W/930 G8.5 1CT/12 | | | | | | | |
| | MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12 MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12 MASTERC CDM-TC Elite 35W/942 G8.5 1CT MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12 MASTERC CDM-TC Elite 70W/942 G8.5 1CT MASTERC CDM-TC Elite 70W/942 | Coordinate X Full Product Name (Nom) MASTERC CDM-TC Elite 0.434 20W/830 G8.5 1CT/12 0.435 MASTERC CDM-TC Elite 35W/93 0 0.435 G8.5 1CT/12 0.371 MASTERC CDM-TC Elite 35W/94 0 0.371 G8.5 1CT/12 0.371 MASTERC CDM-TC Elite 70W/94 0 0.435 G8.5 1CT/12 0.435 MASTERC CDM-TC Elite 70W/94 0 0.435 G8.5 1CT/12 0.435 MASTERC CDM-TC Elite 70W/94 0 0.435 G8.5 1CT/12 0.435 | Coordinate X Coordinate Y Full Product Name (Nom) (Nom) MASTERC CDM-TC Elite 0.434 0.398 20W/830 G8.5 1CT/12 0.435 0.396 MASTERC CDM-TC Elite 35W/940 0.435 0.396 G8.5 1CT/12 0.371 0.366 MASTERC CDM-TC Elite 70W/940 0.435 0.396 G8.5 1CT/12 0.435 0.396 MASTERC CDM-TC Elite 70W/940 0.435 0.363 G8.5 1CT/12 0.365 0.363 MASTERC CDM-TC Elite 70W/941 0.365 0.363 G8.5 1CT/12 0.365 0.363 MASTERC CDM-TC Elite 70W/942 0.365 0.363 G8.5 1CT 0.365 0.363 MASTERC CDM-TC Elite 70W/942 0.365 0.363 | Coordinate X Coordinate Y Full Product Name (Nom) Color Designation MASTERC CDM-TC Elite 0.434 0.398 Warm White (WW) 20W/830 G8.5 1CT/12 0.435 0.396 Warm White (WW) MASTERC CDM-TC Elite 35W/930 0.435 0.396 Warm White (WW) G8.5 1CT/12 0.371 0.366 Cool White (CW) MASTERC CDM-TC Elite 35W/940 0.371 0.366 Cool White (CW) G8.5 1CT/12 UMASTERC CDM-TC Elite 70W/940 0.435 0.396 Warm White (WW) G8.5 1CT/12 UMASTERC CDM-TC Elite 70W/940 0.435 0.363 Cool White (CW) G8.5 1CT/12 UMASTERC CDM-TC Elite 70W/940 0.365 Cool White (CW) G8.5 1CT/12 UMASTERC CDM-TC Elite 70W/940 0.365 Cool White (CW) G8.5 1CT/12 UMASTERC CDM-TC Elite 70W/940 0.365 Cool White (CW) G8.5 1CT UMASTERC CDM-TC Elite 70W/940 0.365 Cool White (CW) | Coordinate XCoordinate YCorrelated ColorFull Product Name(Nom)Color DesignatioTemperature (Nom)MASTERC CDM-TC Elite0.4340.398Warm White (WW)3000 K20W/830 G8.5 1CT/120.4350.396Warm White (WW)3000 KMASTERC CDM-TC Elite 35W/9300.4350.396Warm White (WW)3000 KG8.5 1CT/120.3710.366Cool White (CW)4200 KMASTERC CDM-TC Elite 70W/9300.4350.396Warm White (WW)3000 KG8.5 1CT/12UUUUUMASTERC CDM-TC Elite 70W/9400.3650.366Cool White (CW)4200 KG8.5 1CT/12UUUUUMASTERC CDM-TC Elite 70W/9400.3650.363Cool White (CW)4200 KG8.5 1CT/12UUUUUMASTERC CDM-TC Elite 70W/9400.365USool White (CW)3000 KG8.5 1CT/12UUUUUMASTERC CDM-TC Elite 70W/9400.365USool White (CW)3000 KG8.5 1CTUUUUUMASTERC CDM-TC Elite0.4340.398Warm White (WW)3000 K | Coordinate XCoordinate YCorrelated ColorrenderingFull Product Name(Nom)(Nom)Color DesignationTemperature (Nom)Index (CRI)MASTERC CDM-TC Elites0.4340.398Warm White (WW)3000 K8520W/330 G8.5 1CT/120.4350.396Warm White (WW)3000 K90MASTERC CDM-TC Elites 35W/9400.4350.396Warm White (WW)3000 K90G8.5 1CT/120.366Cool White (CW)4200 K9068MASTERC CDM-TC Elites 70W/9400.4350.396Warm White (WW)3000 K90G8.5 1CT/12Master Cool Matter (CM)10.363Cool White (CW)4200 K92MASTERC CDM-TC Elites 70W/9400.363Cool White (CW)4200 K92G8.5 1CT/12Naster (CM)Soon K9292MASTERC CDM-TC Elites 70W/9400.363Cool White (CW)4200 K92G8.5 1CTNaster (CM)Soon K9292MASTERC CDM-TC Elites 70W/9400.363Cool White (CW)3000 K92MASTERC CDM-TC Elites0.3430.398Warm White (WW)3000 K92 | Coordinate XCoordinate YCorrelated ColorrenderingLuminous EfficaceFull Product Name(Nom)Color DesignationTemperature (Nom)index (CR)(rated) (Nom)MASTERC CDM-TC Elite0.4340.398Warm White (WW)3000 K8587 Im/W20W/830 G8.5 1CT/120.4350.396Warm White (WW)3000 K90102 Im/WMASTERC CDM-TC Elite 35W/930.4350.396Warm White (WW)3000 K9097 Im/WG8.5 1CT/120.3110.366Cool White (CW)4200 K9097 Im/WMASTERC CDM-TC Elite 70W/940.4350.396Warm White (WW)3000 K90107 Im/WG8.5 1CT/12MASTERC CDM-TC Elite 70W/940.3650.363Cool White (CW)4200 K92102 Im/WMASTERC CDM-TC Elite 70W/940.3650.363Cool White (CW)4200 K92102 Im/WMASTERC CDM-TC Elite 70W/940.3650.363Cool White (CW)4200 K92102 Im/WG8.5 1CT/12MASTERC CDM-TC Elite 70W/940.363Cool White (CW)4200 K92102 Im/WMASTERC CDM-TC Elite 70W/940.3650.363Cool White (CW)3000 K91102 Im/W |

Operating and Electrical

| | | Voltage | Power | | | Voltage | Power |
|--------------|------------------------------|---------|-------------|--------------|------------------------------|---------|------------|
| Order Code | Full Product Name | (Nom) | Consumption | Order Code | Full Product Name | (Nom) | Consumptio |
| 928183405125 | MASTERC CDM-TC Elite 20W/830 | 95 V | 20.1 W | 928189505129 | MASTERC CDM-TC Elite 70W/930 | 85 V | 73.2 W |
| | G8.5 1CT/12 | | | | G8.5 1CT/12 | | |
| 928189105129 | MASTERC CDM-TC Elite 35W/930 | 85 V | 39.1 W | 928193905129 | MASTERC CDM-TC Elite 70W/942 | 88 V | 73.2 W |
| | G8.5 1CT/12 | | | | G8.5 1CT | | |
| 928193805129 | MASTERC CDM-TC Elite 35W/942 | 91 V | 39.1 W | 928191805131 | MASTERC CDM-TC Elite 50W/930 | 90 V | 50.2 W |
| | G8.5 1CT | | | | G8.5 1CT/12 | | |

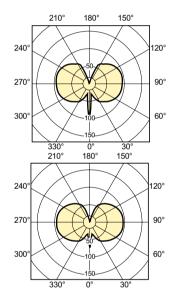
Mechanical and Housing

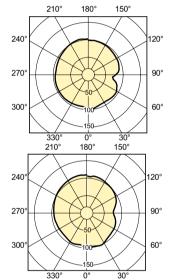
| Order Code | Full Product Name | Bulb Material | Order Code | Full Product Name | Bulb Material |
|--------------|--|-----------------|--------------|--|---------------|
| 928183405125 | MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12 | UV-Block Quartz | 928189505129 | MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12 | - |
| 928189105129 | MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12 | - | 928193905129 | MASTERC CDM-TC Elite 70W/942 G8.5 1CT | - |
| 928193805129 | MASTERC CDM-TC Elite 35W/942 G8.5 1CT | - | 928191805131 | MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12 | - |

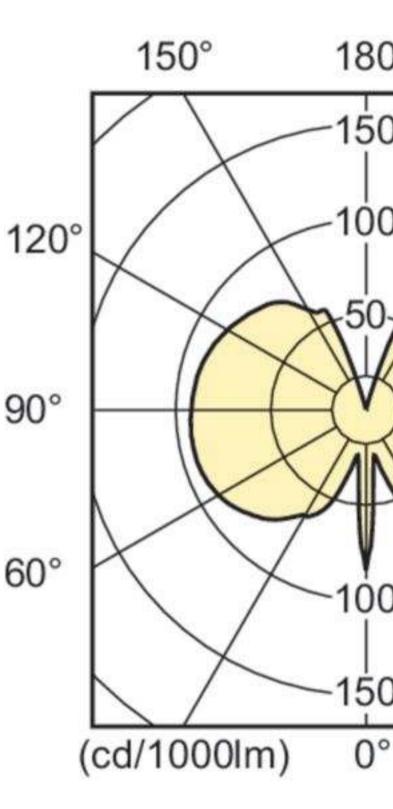
Approval and Application

MASTERColour CDM-TC Elite

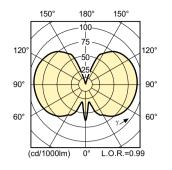
| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Max) | Mercury (Hg) Content (Nom) |
|--------------|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 928183405125 | MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12 | 21 kWh | 3.5 mg | 3.5 mg |
| 928189105129 | MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12 | 43 kWh | - | 4.7 mg |
| 928193805129 | MASTERC CDM-TC Elite 35W/942 G8.5 1CT | 43 kWh | - | 4.9 mg |
| 928189505129 | MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12 | 80 kWh | - | 6.6 mg |
| 928193905129 | MASTERC CDM-TC Elite 70W/942 G8.5 1CT | 80 kWh | - | 6.6 mg |
| 928191805131 | MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12 | 51 kWh | 6.6 mg | 6.6 mg |

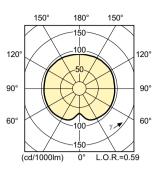


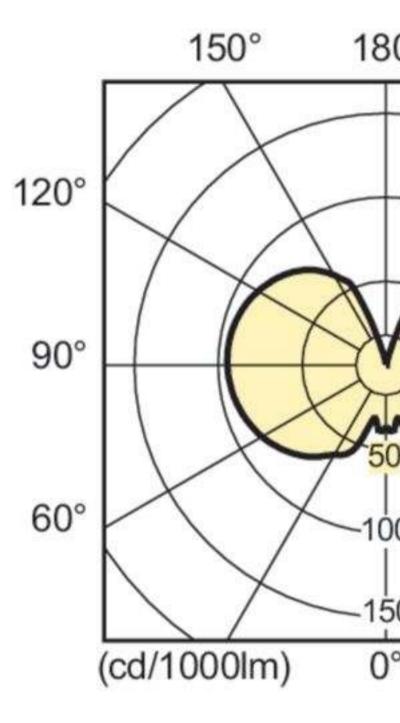




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