



# 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

- Crisp white light
- Excellent colour rendering (Ra 90)
- Reliable lifetime performance
- 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
- 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
- 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

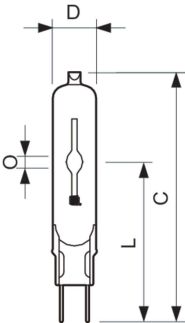


LPPR CDM-TC 0001



LPPR\_CDMTC-E\_0001-Product photo

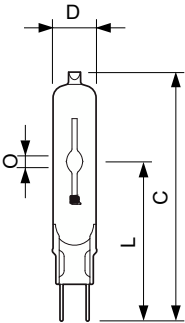
Dimensional drawing



Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	15 mm	4.8 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	15 mm	4.8 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 35W/942 G8.5 1CT	15 mm	5.2 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12	15 mm	6 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 50W/942 G8.5 1CT	15 mm	7.1 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	15 mm	7.15 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	15 mm	7.15 mm	51 mm	53 mm	52 mm	85 mm
MASTERC CDM-TC Elite 70W/942 G8.5 1CT	15 mm	7.75 mm	51 mm	53 mm	52 mm	85 mm

# MASTERCoulour CDM-TC Elite

## Dimensional drawing



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

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

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			rendering index (CRI)		
928183405125	MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12	0.434	0.398	Warm White (WW)	3000 K	85	87 lm/W	1,750 lm
928189105129	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	0.435	0.396	Warm White (WW)	3000 K	90	102 lm/W	-
928189105131	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	0.434	0.398	Warm White (WW)	3000 K	90	102 lm/W	4,000 lm
928193805131	MASTERC CDM-TC Elite 35W/942 G8.5 1CT	0.371	0.366	Cool White (CW)	4200 K	90	97 lm/W	3,800 lm
928189505129	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	0.435	0.396	Warm White (WW)	3000 K	90	107 lm/W	-
928189505131	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	0.434	0.398	Warm White (WW)	3000 K	90	107 lm/W	7,800 lm
928193905131	MASTERC CDM-TC Elite 70W/942 G8.5 1CT	0.371	0.366	Cool White (CW)	4200 K	92	102 lm/W	7,450 lm
928080115131	MASTERC CDM-TC Elite 50W/942 G8.5 1CT	0.371	0.366	Cool White (CW)	4200 K	90	101 lm/W	5,050 lm
928191805131	MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12	0.434	0.398	Warm White (WW)	3000 K	91	108 lm/W	5,400 lm

## Operating and Electrical

MASTERCoulour CDM-TC Elite

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928183405125	MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12	95 V	20.1 W
928189105129	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	85 V	39.1 W
928189105131	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	85 V	39.1 W
928193805131	MASTERC CDM-TC Elite 35W/942 G8.5 1CT	91 V	39.1 W
928189505129	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	85 V	73.2 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928189505131	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	85 V	73.2 W
928193905131	MASTERC CDM-TC Elite 70W/942 G8.5 1CT	88 V	73.2 W
928080115131	MASTERC CDM-TC Elite 50W/942 G8.5 1CT	93 V	50.2 W
928191805131	MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12	90 V	50.2 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Material
928183405125	MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12	UV-Block Quartz
928189105129	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	-
928189105131	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	-
928193805131	MASTERC CDM-TC Elite 35W/942 G8.5 1CT	-
928189505129	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	-

Order Code	Full Product Name	Bulb Material
928189505131	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	-
928193905131	MASTERC CDM-TC Elite 70W/942 G8.5 1CT	-
928080115131	MASTERC CDM-TC Elite 50W/942 G8.5 1CT	-
928191805131	MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12	-

Approval and Application

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
928189105131	MASTERC CDM-TC Elite 35W/930 G8.5 1CT/12	40 kWh	4.7 mg	4.7 mg
928193805131	MASTERC CDM-TC Elite 35W/942 G8.5 1CT	40 kWh	4.9 mg	4.9 mg
928189505129	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	80 kWh	-	6.6 mg
928189505131	MASTERC CDM-TC Elite 70W/930 G8.5 1CT/12	74 kWh	6.6 mg	6.6 mg
928193905131	MASTERC CDM-TC Elite 70W/942 G8.5 1CT	74 kWh	6.6 mg	6.6 mg
928080115131	MASTERC CDM-TC Elite 50W/942 G8.5 1CT	51 kWh	5.7 mg	5.7 mg
928191805131	MASTERC CDM-TC Elite 50W/930 G8.5 1CT/12	51 kWh	6.6 mg	6.6 mg

