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 color rendering (Ra 90) in combination with high lumen output; best offer in the market for ‘enhancing merchandize’
- Excellent color 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 color rendering (Ra 90)
- Reliable lifetime performance
- Stable color 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

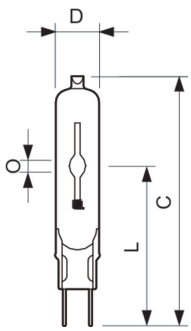
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking 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

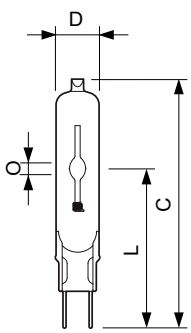
LPPR CDM-TC 0001

LPPR CDMTC-E 0003

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/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 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



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

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

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
87158600	MASTERColour 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
91149700	MASTERColour 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
16366400	MASTERColour CDM-TC Elite 35W/942 G8.5 1CT	0.371	0.366	Cool White (CW)	4200 K	90	97 lm/W	3,800 lm
91153400	MASTERColour 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
16368800	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT	0.371	0.366	Cool White (CW)	4200 K	92	102 lm/W	7,450 lm
93062700	MASTERColour 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

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
87158600	MASTERColour CDM-TC Elite 20W/830 G8.5 1CT/12	95 V	20.1 W
91149700	MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12	85 V	39.1 W
16366400	MASTERColour CDM-TC Elite 35W/942 G8.5 1CT	91 V	39.1 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
91153400	MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12	85 V	73.2 W
16368800	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT	88 V	73.2 W
93062700	MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12	90 V	50.2 W

Mechanical and Housing

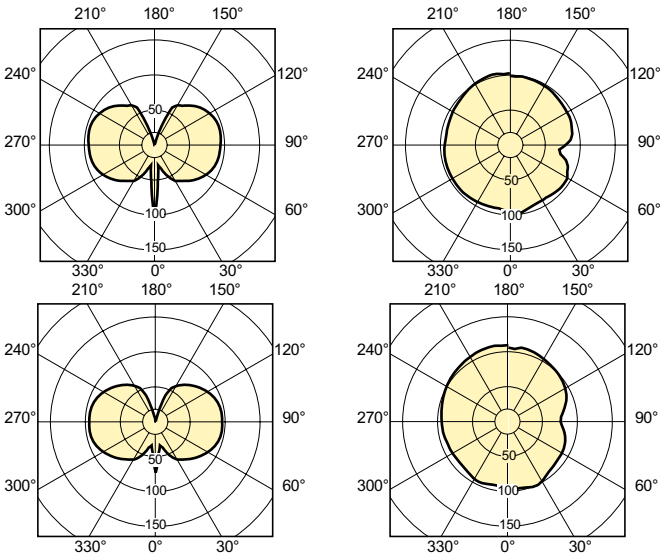
Order Code	Full Product Name	Bulb Material
87158600	MASTERColour CDM-TC Elite 20W/830 G8.5 1CT/12	UV-Block Quartz
91149700	MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12	-
16366400	MASTERColour CDM-TC Elite 35W/942 G8.5 1CT	-

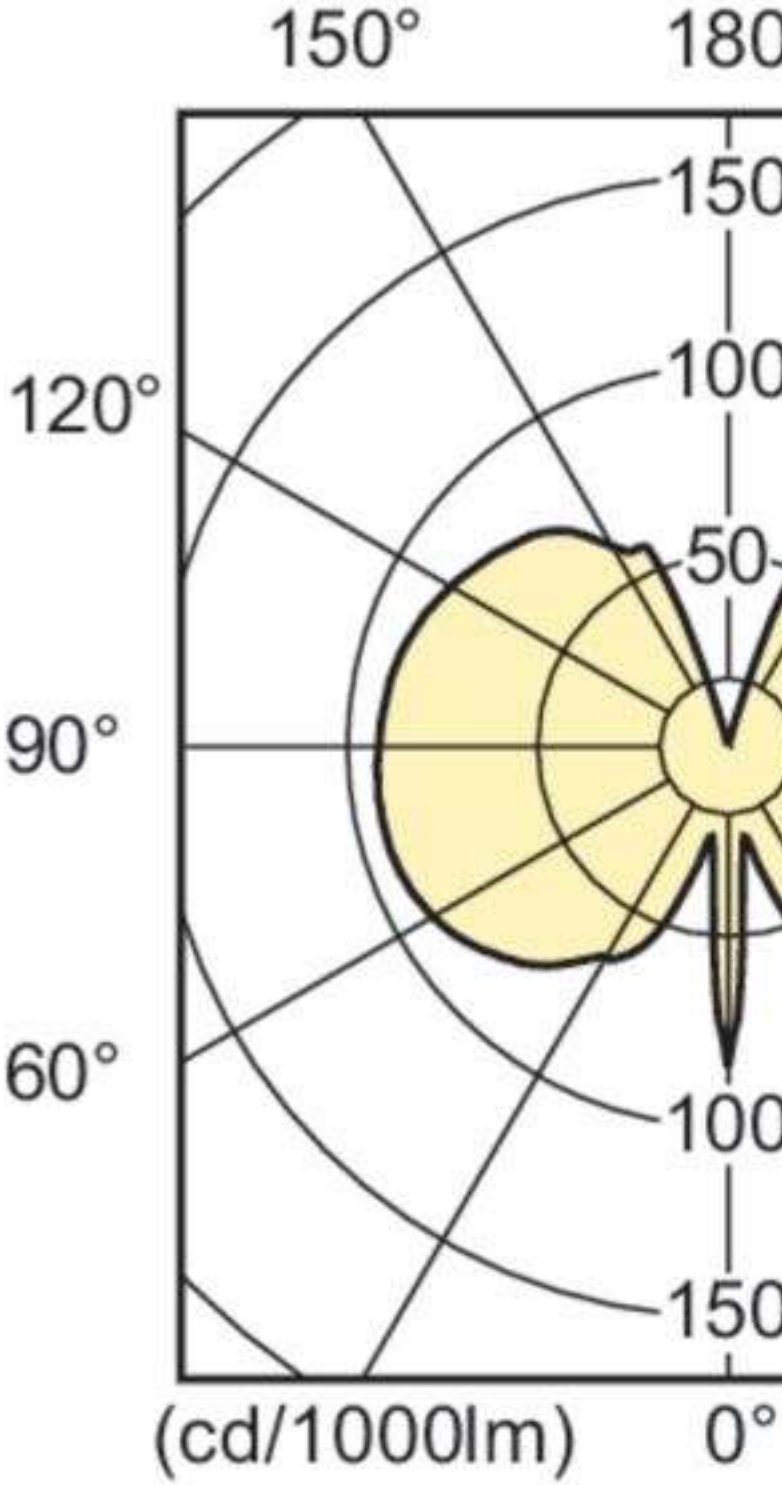
Order Code	Full Product Name	Bulb Material
91153400	MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12	-
16368800	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT	-
93062700	MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12	-

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)
87158600	MASTERColour CDM-TC Elite 20W/830 G8.5 1CT/12	21 kWh	3.5 mg	3.5 mg
91149700	MASTERColour CDM-TC Elite 35W/930 G8.5 1CT/12	40 kWh	4.7 mg	4.7 mg
16366400	MASTERColour CDM-TC Elite 35W/942 G8.5 1CT	40 kWh	4.9 mg	4.9 mg
91153400	MASTERColour CDM-TC Elite 70W/930 G8.5 1CT/12	74 kWh	6.6 mg	6.6 mg
16368800	MASTERColour CDM-TC Elite 70W/942 G8.5 1CT	74 kWh	6.6 mg	6.6 mg
93062700	MASTERColour CDM-TC Elite 50W/930 G8.5 1CT/12	51 kWh	6.6 mg	6.6 mg





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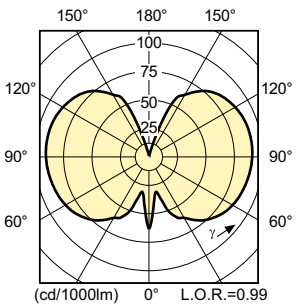

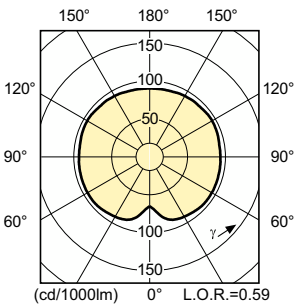

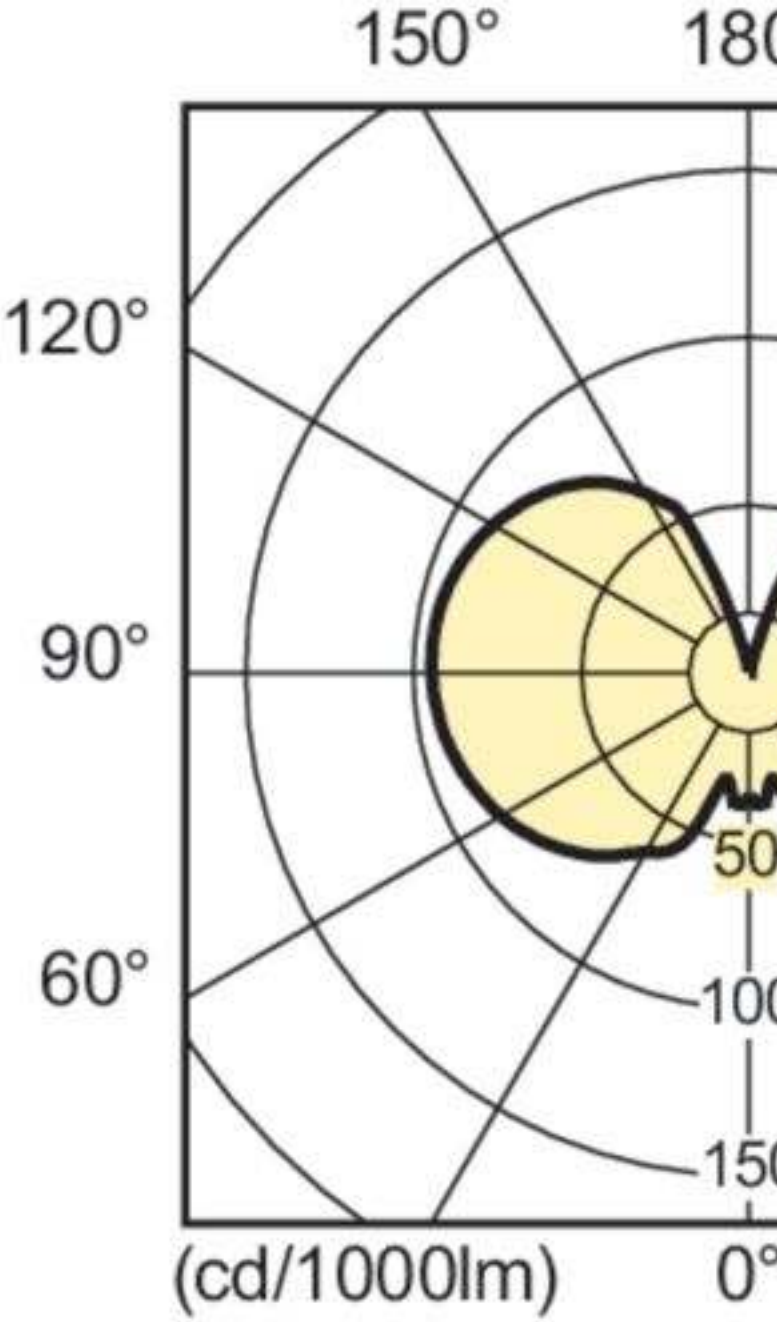

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