



Product Description

MASTERColour CDM-T Elite

Single-ended, 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, which 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

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-T 35W: vertical +/- 60 degrees
 - CDM Elite-T 70W: universal

Application

- Accent and display lighting with a sparkling effect, excellent solution for Retail
- Decorative outdoor floodlighting

MASTERColour CDM-T Elite

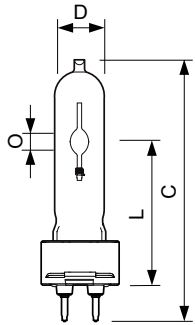
Warnings and Safety

- 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. 35W & 70W lamps may also use electromagnetic 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



Dimensional drawing



Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 70W/930 G12 1CT/12	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 70W/930 G12 1CT/12	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 35W/930 G12 1CT/12	20 mm	4.8 mm	55 mm	57 mm	56 mm	103 mm

MASTERColour CDM-T Elite

Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable no

Operating and Electrical

Voltage (Max) 90 V

Voltage (Nom) 85 V

Re-ignition Time (Min) (Max) 15 min

General Information

Cap-Base G12

Life To 10% Failures (Nom) 14000 h

Life To 20% Failures (Nom) 16000 h

Life To 50% Failures (Nom) 20000 h

Life To 5% Failures (Nom) 12000 h

Operating Position UNIVERSAL

Luminaire Design Requirements

Bulb Temperature (Max) 500 °C

Light Technical

Chromaticity Coordinate X (Nom) 0.435

Colour Code 930

Colour Designation Warm white (WW)

Correlated Colour Temperature (Nom) 3000 K

Colour Rendering Index (Min) 87

Colour Rendering Index (Nom) 90

Lumen Maintenance 10000 h (Nom) 83 %

Lumen Maintenance 4000 h (Nom) 90 %

Lumen Maintenance 5000 h (Nom) 88 %

Mechanical and Housing

Bulb Finish Clear

Bulb Shape T19

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	43 kWh	4.7 mg
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	80 kWh	6.6 mg
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	80 kWh	6.6 mg

Operating and Electrical

Order Code	Full Product Name	Lamp		Power
		Current (EM) (Nom)	Voltage (Min)	(Rated) (Nom)
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.500 A	80 V	39.0 W
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	1 A	79 V	73 W

Order Code	Full Product Name	Lamp		Power
		Current (EM) (Nom)	Voltage (Min)	(Rated) (Nom)
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	1 A	79 V	73 W

Light Technical (1/2)

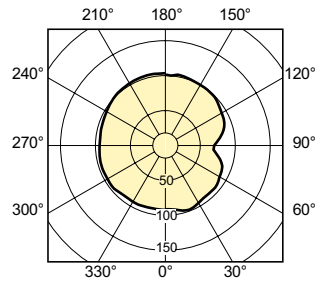
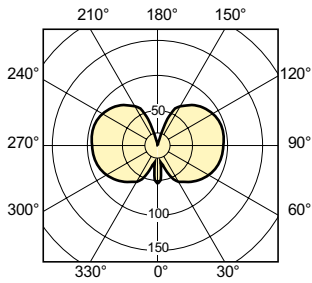
MASTERColour CDM-T Elite

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Lumen	Lumen	Lumen
			Maintenance 1000 h (Nom)	Maintenance 12000 h (Nom)	Maintenance 2000 h (Nom)
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.395	95 %	80 %	93 %
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	0.396	97 %	82 %	95 %

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Lumen	Lumen	Lumen
			Maintenance 1000 h (Nom)	Maintenance 12000 h (Nom)	Maintenance 2000 h (Nom)
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.395	95 %	80 %	93 %
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	0.396	97 %	82 %	95 %

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	98 lm/W	4050 lm
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	103 lm/W	7800 lm
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	103 lm/W	7800 lm



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