



# 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

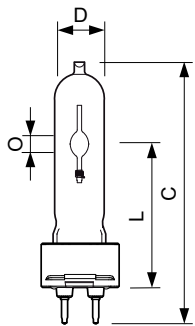
## Warnings and Safety

- 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 35W/930 G12 1CT/12	20 mm	4.8 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

# MASTERCcolour CDM-T Elite

## Controls and Dimming

Dimmable	No
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## 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
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## 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	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	43 kWh	4.7 mg
928185305129	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	80 kWh	6.6 mg

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Min)	Power (Rated) (Nom)
928185205129	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	0.500 A	80 V	39.1 W

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Min)	Power (Rated) (Nom)
928185305129	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	1 A	79 V	73.2 W

## Light Technical (1/2)

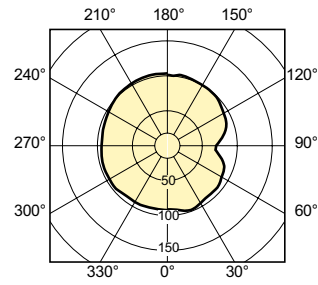
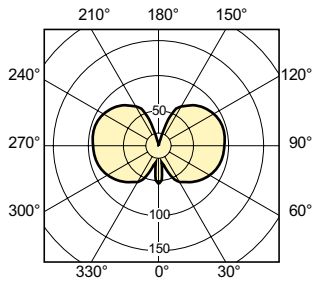
Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Lumen Maintenance 1000 h (Nom)	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)
928185205129	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	0.395	95 %	80 %	93 %
928185305129	MASTERCcolour CDM-T Elite	0.396	97 %	82 %	95 %

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Lumen Maintenance 1000 h (Nom)	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)
	70W/930 G12 1CT/12				

# MASTERColour CDM-T Elite

## 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



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