



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

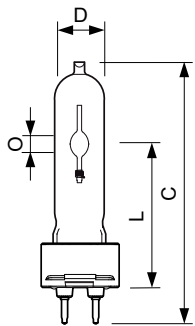
Warnings and Safety

- 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
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

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

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 (Max)	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	74 kWh	6.6 mg	6.6 mg

Operating and electrical

Order Code	Full Product Name	Lamp		
		Current (EM) (Nom)	Voltage (Min)	Power (Nom)
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.500 A	80 V	39.1 W
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	1 A	79 V	73.2 W

Order Code	Full Product Name	Lamp		
		Current (EM) (Nom)	Voltage (Min)	Power (Nom)
928185305131	MASTERColour 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		Lumen Maintenance	Lumen Maintenance
		Coordinate X (Nom)	Coordinate Y (Nom)	1000 h (Nom)	12000 h (Nom)
928185205129	MASTERColour CDM-T Elite	0.435	0.395	95 %	80 %

Order Code	Full Product Name	Chromaticity		Lumen Maintenance	Lumen Maintenance
		Coordinate X (Nom)	Coordinate Y (Nom)	1000 h (Nom)	12000 h (Nom)
	35W/930 G12 1CT/12				

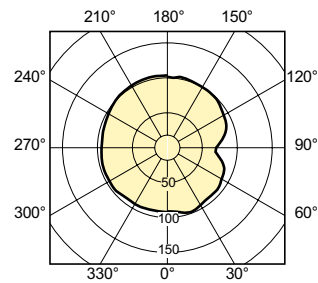
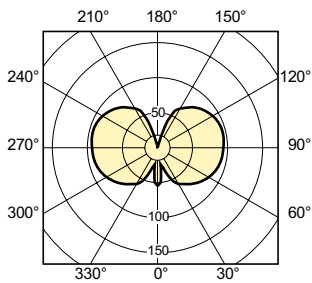
MASTERCLOUR CDM-T Elite

Order Code	Full Product Name	Chromaticity	Chromaticity	Lumen	Lumen
		Coordinate	Coordinate	Maintenance	Maintenance
		X (Nom)	Y (Nom)	1000 h (Nom)	12000 h (Nom)
928185305129	MASTERCLOUR CDM-T Elite 70W/930 G12 1CT/12	0.435	0.396	97 %	82 %
928185305131	MASTERCLOUR CDM-T Elite	0.434	0.398	97 %	82 %

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

Light technical (2/2)

Order Code	Full Product Name	Lumen	Luminous	Luminous	Luminous
		Maintenance	Efficacy	Luminous	Flux
		2000 h (Nom)	(rated) (Nom)	Flux (Nom)	(Rated) (Nom)
928185205129	MASTERCLOUR CDM-T Elite 35W/930 G12 1CT/12	93 %	98 lm/W	-	4050 lm
928185305129	MASTERCLOUR CDM-T Elite 70W/930 G12 1CT/12	95 %	103 lm/W	-	7800 lm
928185305131	MASTERCLOUR CDM-T Elite 70W/930 G12 1CT/12	95 %	103 lm/W	7800 lm	7800 lm



MASTERColour CDM-T Elite

