



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

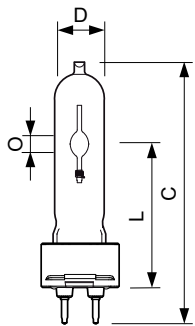
Warnings and Safety

- 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/942 G12 1CT	20 mm	7.75 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/942 G12 1CT	20 mm	5.2 mm	55 mm	57 mm	56 mm	103 mm

MASTERColour CDM-T Elite

Controls and Dimming

Dimmable	No
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Operating and Electrical

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

Cap-Base	G12
Operating Position	UNIVERSAL

Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
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Light Technical

Colour Rendering Index (Min)	87
Colour Rendering Index (Nom)	90

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)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	40 kWh	4.7 mg	4.7 mg
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	43 kWh	-	4.9 mg
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	80 kWh	-	6.6 mg
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	80 kWh	-	6.6 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	0.51 A	96 V	84 V	90 V

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	0.97 A	93 V	81 V	87 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	39.1 W
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	39.1 W

Order Code	Full Product Name	Power (Rated) (Nom)
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	73.2 W
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	73.2 W

General Information

Order Code	Full Product Name	Life To	Life To	Life To	Life To
		10% Failures (Nom)	20% Failures (Nom)	50% Failures (Nom)	Life To 5% Failures (Nom)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h

Order Code	Full Product Name	Life To	Life To	Life To	Life To
		10% Failures (Nom)	20% Failures (Nom)	50% Failures (Nom)	Life To 5% Failures (Nom)
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h

Light Technical (1/3)

MASTERCLOUR CDM-T Elite

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928185205131	MASTERCLOUR CDM-T Elite 35W/930 G12 1CT/12	0.434	0.398	930	Warm white (WW)
928193605129	MASTERCLOUR CDM-T Elite 35W/942 G12 1CT	0.366	0.364	942	Cool White (CW)

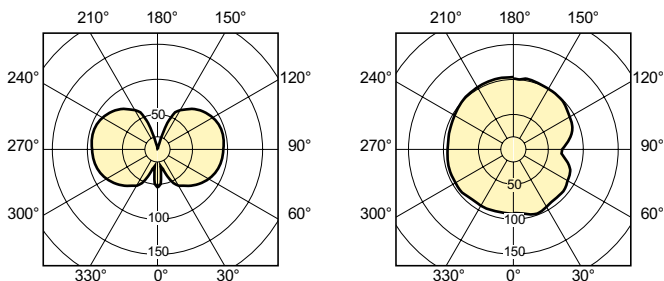
Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928185305129	MASTERCLOUR CDM-T Elite 70W/930 G12 1CT/12	0.435	0.396	930	Warm white (WW)
928193705129	MASTERCLOUR CDM-T Elite 70W/942 G12 1CT	0.362	0.363	942	Cool White (CW)

Light Technical (2/3)

Order Code	Full Product Name	Correlated Colour Temperature							Luminous	
		(Nom)	Lumen Maintenance 1000 h (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 4000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)
928185205131	MASTERCLOUR CDM-T Elite 35W/930 G12 1CT/12	3000 K	95 %	83 %	80 %	93 %	90 %	88 %	98 lm/W	4050 lm
928193605129	MASTERCLOUR CDM-T Elite 35W/942 G12 1CT	4200 K	89 %	73 %	71 %	84 %	80 %	79 %	98 lm/W	-
928185305129	MASTERCLOUR CDM-T Elite 70W/930 G12 1CT/12	3000 K	97 %	83 %	82 %	95 %	90 %	88 %	103 lm/W	-
928193705129	MASTERCLOUR CDM-T Elite 70W/942 G12 1CT	4200 K	91 %	80 %	79 %	88 %	85 %	84 %	100 lm/W	-

Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928185205131	MASTERCLOUR CDM-T Elite 35W/930 G12 1CT/12	4050 lm
928193605129	MASTERCLOUR CDM-T Elite 35W/942 G12 1CT	3850 lm
928185305129	MASTERCLOUR CDM-T Elite 70W/930 G12 1CT/12	7800 lm
928193705129	MASTERCLOUR CDM-T Elite 70W/942 G12 1CT	7500 lm



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