



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

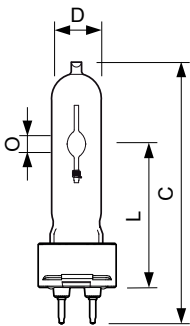
Warnings and Safety

- 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 35W/942 G12 1CT	20 mm	5.2 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 70W/942 G12 1CT	20 mm	7.75 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	
Re-ignition Time (Min) (Max)	15 min
General Information	
Cap-Base	G12
Operating Position	UNIVERSAL
Luminaire Design Requirements	
Bulb Temperature (Max)	500 °C
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 (Nom)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	43 kWh	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)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.500 A	90 V	80 V	85 V
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)
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	1 A	90 V	79 V	85 V
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 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 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 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 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

MASTERColour CDM-T Elite

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

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X	Coordinate Y	Code	Designation
		(Nom)	(Nom)	(Nom)	(Nom)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.435	0.395	930	Warm white (WW)
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	0.366	0.364	942	Cool White (CW)

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

Light Technical (2/2)

Order Code	Full Product Name	Correlated	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous	Luminous
		Colour	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Efficacy	Flux
		Temperature	1000 h (Nom)	10000 h (Nom)	12000 h (Nom)	2000 h (Nom)	4000 h (Nom)	5000 h (Nom)	(rated) (Nom)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	3000 K	95 %	83 %	80 %	93 %	90 %	88 %	98 lm/W 4050 lm
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	4200 K	89 %	73 %	71 %	84 %	80 %	79 %	98 lm/W 3850 lm
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	3000 K	97 %	83 %	82 %	95 %	90 %	88 %	103 lm/W 7800 lm
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	4200 K	91 %	80 %	79 %	88 %	85 %	84 %	100 lm/W 7500 lm

