



# MASTERColour CDM-T Elite

## MASTERColour CDM-T Elite 50W/942 G12 1CT

Single-ended, very high-efficiency, long-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high color rendering

### 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.

### Product data

General Information			
Cap-Base	G12 [ G12]	Lumen Maintenance 12000 h (Nom)	83 %
Operating Position	UNIVERSAL [ Any or Universal (U)]	Lumen Maintenance 10000 h (Nom)	84 %
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 2000 h (Nom)	91 %
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 4000 h (Nom)	88 %
Life to 20% Failures (Nom)	12000 h	Lumen Maintenance 5000 h (Nom)	87 %
Life to 50% Failures (Nom)	15000 h	Chromaticity Coordinate X (Nom)	0.363
ANSI Code HID	C193/E	Chromaticity Coordinate Y (Nom)	0.361
		Correlated Color Temperature (Nom)	4200 K
		Luminous Efficacy (rated) (Nom)	101 lm/W
		Color Rendering Index (Min)	87
		Color Rendering Index (Nom)	90
Light Technical		Operating and Electrical	
Color Code	942 [ CCT of 4200K]	Power (Rated) (Min)	50.0 W
Luminous Flux (Rated) (Nom)	5050 lm		
Color Designation	Cool White (CW)		
Lumen Maintenance 1000 h (Nom)	93 %		

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Power (Nom)	50.2 W
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	97 V
Voltage (Min)	85 V
Voltage (Nom)	91 V

## Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

## Mechanical and Housing

Bulb Finish	Clear
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## Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	5.7 mg
Energy Consumption kWh/1000 h	55 kWh

## UV

Pet (Niosh) (Min)	8 h/500lx
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Damage Factor D/fc (Max)	0.5
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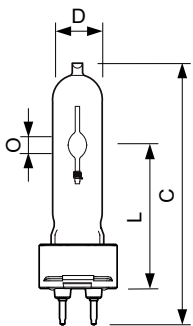
## Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	250 °C
Pinch Temperature (Max)	350 °C

## Product Data

Full product code	871829120159500
Order product name	MASTERCLOUR CDM-T Elite 50W/942 G12 1CT
EAN/UPC - Product	8718291201595
Order code	928080015131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928080015131
Net Weight (Piece)	0.030 kg
ILCOS Code	MT/UB-50/942-H-G12-20/90

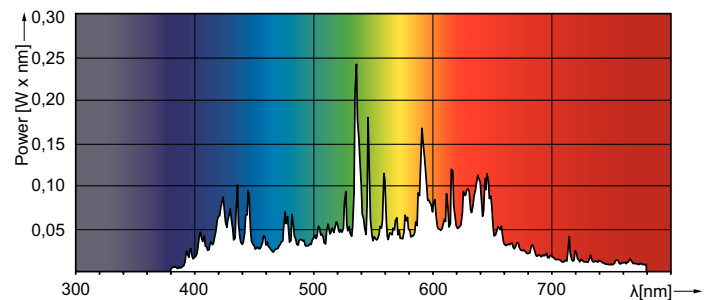
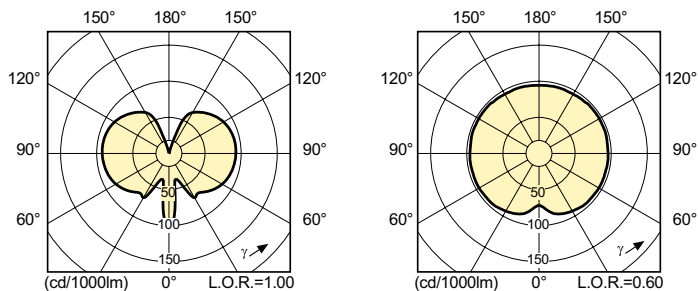
## Dimensional drawing



CDM-T Elite 50W/942 G12

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCLOUR CDM-T Elite 50W/942 G12 1CT	20 mm	7.1 mm	55 mm	57 mm	56 mm	103 mm

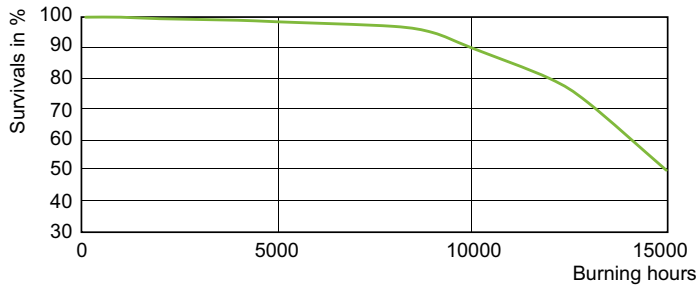
## Photometric data



LDPO\_CDM-T-E\_0007-Spectral power distribution Colour

# MASTERC colour CDM-T Elite

## Lifetime



LDLE\_CDM-T-E\_0009-Life expectancy diagram

