



# MASTERColour CDM-T Elite

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

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp

## Product data

### • General Information

Cap-Base	G12 [ G12]
Operating Position	UNIVERSAL [ Any or Universal (U)]
Life To 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	10000 h
Life To 20% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
ANSI Code HID	C193/E

### • Light Technical

Colour Code	942 [ CCT of 4200K]
Luminous Flux (Rated) (Nom)	5000 lm
Colour Designation	Cool White (CW)
Lumen Maintenance 1000 h (Nom)	93 %
Lumen Maintenance 12000 h (Nom)	83 %
Lumen Maintenance 10000 h (Nom)	84 %
Lumen Maintenance 2000 h (Nom)	91 %
Lumen Maintenance 4000 h (Nom)	88 %
Lumen Maintenance 5000 h (Nom)	87 %
Chromaticity Coordinate X (Nom)	0.363
Chromaticity Coordinate Y (Nom)	0.361
Colour Temperature, horizontal (Nom)	4200 K

Luminous Efficacy (rated) (Nom)	100 lm/W
Colour Rendering Index horiz (Min)	87
Colour Rendering Index horiz (Nom)	90

### • Operating and Electrical

Power (Rated) (Min)	50.0 W
Power (Rated) (Nom)	50 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 (CL)
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### • Approval and Application

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

**PHILIPS**

## • UV

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

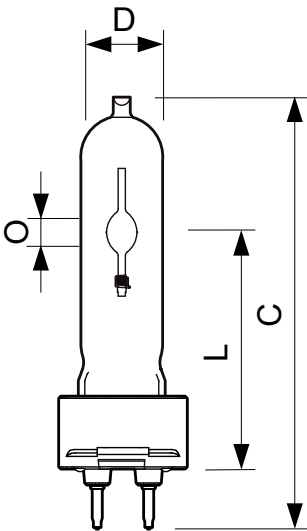
## • Luminaire Design Requirements

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

## 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.

## Dimensional drawing



CDM-T Elite 35W - 150W G12

## CDM-T Elite 50W/942 G12

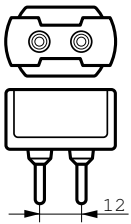
Product	D	O	L	L	L	C
MASTERColour CDM-T Elite 50W/942 G12 1CT	20 mm	7.1 mm	55 mm	57 mm	56 mm	103 mm

## • Product Data

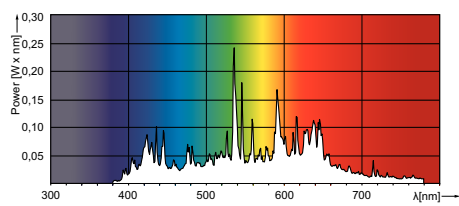
Full product code	871829120159500
Order product name	MASTERColour CDM-T Elite 50W/942 G12 1CT
EAN/UPC - Product	8718291201595
Order code	20159500
Numerator -	1
Quantity Per Pack	
Numerator - Packs per outer box	12
Material Nr. (12NC)	928080015131
Net Weight (Piece)	0.030 kg
ILCOS Code	MT/UB-50/942-H-G12-20/90

- 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.

## Dimensional drawing



## Photometric data



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2015, December 28  
data subject to change