



# MASTERC colour CDM-TC Elite

MASTERC colour CDM-TC Elite 50W/942 G8.5 1CT

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

## Product data

### • General Information

Cap-Base	G8.5 [ G8.5]
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	-

### • Light Technical

Color Code	942 [ CCT of 4200K]
Luminous Flux (Nom)	5100 lm
Color Designation	Cool White (CW)
Lumen Maintenance 12000 h (Nom)	84 %
Lumen Maintenance 10000 h (Nom)	85 %
Lumen Maintenance 2000 h (Nom)	92 %
Lumen Maintenance 5000 h (Nom)	89 %
Chromaticity Coordinate X (Nom)	0.367
Chromaticity Coordinate Y (Nom)	0.362
Correlated Color Temperature (Nom)	4300 K
Luminous Efficacy (rated) (Nom)	102 lm/W
Color Rendering Index (Min)	87

Color Rendering Index (Nom)	90
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### • Operating and Electrical

Power (Rated) (Nom)	50.0 W
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	99 V
Voltage (Min)	87 V
Voltage (Nom)	93 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 (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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# PHILIPS

# MASTERColour CDM-TC Elite

Damage Factor D/fc  
(Max) 0.5

## • Luminaire Design Requirements

Bulb Temperature 550 °C  
(Max)  
Pinch Temperature 350 °C  
(Max)

## • Product Data

Full product code 871829120163200

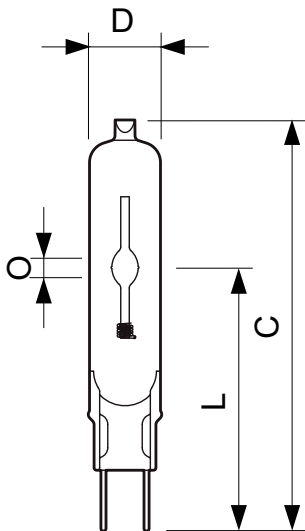
Order product name MASTERColour CDM-TC Elite  
50W/942 G8.5 1CT  
EAN/UPC - Product 8718291201632  
Order code 928080115131  
Numerator - Quantity Per Pack 1  
Numerator - Packs per outer box 12  
Material Nr. (12NC) 928080115131  
Net Weight (Piece) 0.029 kg  
ILCOS Code MT/UB-50/942-H-G8.5-17/85

## 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

- 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.

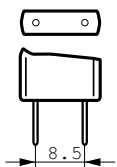
## Dimensional drawing



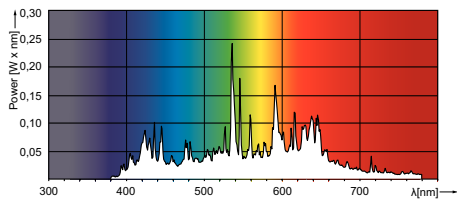
CDM-TC Elite

## CDM-TC Elite 50W/942 G8.5

Product	D	O	L	L	L	C
MASTERColour CDM-TC Elite 50W/942 G8.5 1CT	15 mm	7.1 mm	51 mm	53 mm	52 mm	85 mm



## Photometric data



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[www.philips.com/lighting](http://www.philips.com/lighting)

2015, December 28  
data subject to change