



# MASTERCcolour CDM-T Elite

MASTERCcolour 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

## Product data

### • General Characteristics

Cap-Base	G12
Bulb	T19 [T 19mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures EL	9000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EL	12000 hr
Life to 50% failures EL	15000 hr

### • Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4400 K
Luminous Flux Lamp EL	5000 Lm
Luminous Efficacy Lamp EL	100 Lm/W
Lumen Maintenance EL 1000h	93 %
Lumen Maintenance EL 2000h	91 %
Lumen Maintenance EL 4000h	88 %
Lumen Maintenance EL 5000h	87 %
Lumen Maintenance EL 8000h	85 %

Lumen Maintenance EL 10000h	84 %
Lumen Maintenance EL 12000h	83 %
Lumen Maintenance EL 15000h	82 %
Design Mean Lumens EL	4300 Lm
Chromaticity Coordinate X	0.363 -
Chromaticity Coordinate Y	0.361 -

### • Electrical Characteristics

System Power EL	56 W
Lamp Wattage	50 W
Lamp Wattage EL 25°C, Rated	50.0 W
Lamp Wattage EL 25°C, Nominal	50.0 W
Lamp Voltage	91 V
Lamp Current EL	0.55 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

### • Environmental Characteristics

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



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## • UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.5 (max) - 8 (min) h500lx
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## • Luminaire Design Requirements

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

## • Product Dimensions

Reference Length A	90 (max) mm
Overall Length C	103 (max) mm
Diameter D	20 (max) mm
Light Center Length L	55 (min), 56 (nom), 57 (max) mm
Arc Length O	7.1 mm
Light Center Length L [inch]	2.16 (min), 2.20 (nom), 2.24 (max) in

Overall Length C [inch]	4 (max) in
Diameter D [inch]	0.79 (max) in

## • Product Data

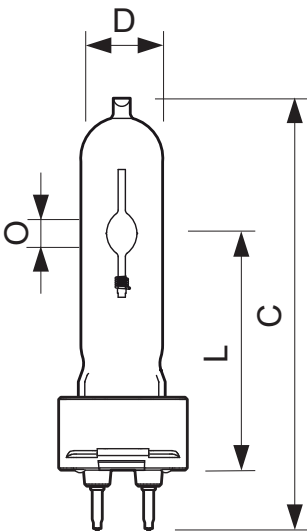
Order code	928080015131
Full product code	928080015131
Full product name	MASTERColour CDM-T Elite 50W/942 G12 1CT
Order product name	MASTERC CDM-T Elite 50W/942 G12 1CT
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291201595
Bar code on outerbox - EAN3	8718291201601
Logistic code(s) - 12NC	928080015131
ILCOS code	MT/UB-50/942-H-G12-20/90
Net weight per piece	0.030 kg

## 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.

## Dimensional drawing



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

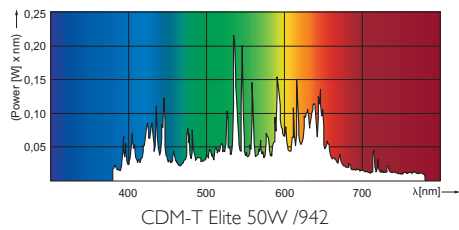
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T Elite 50W/942 G12	103	20	55	56	57	7.1

## Dimensional drawing



G12

## Photometric data



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data subject to change