

# MASTERCcolour CDM-T Elite

MASTERCcolour CDM-T Elite 70W/930 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 EM	15000 hr
Life to 50% failures EL	15000 hr

### • Light Technical Characteristics

Color Code	930 [CCT of 3000K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Color Temperature Technical	2970 K
Luminous Flux Lamp EM	7500 Lm
Luminous Flux Lamp EL	7800 Lm
Luminous Efficacy Lamp EM	103 Lm/W
Luminous Efficacy Lamp EL	106 Lm/W
Lumen Maintenance EL 1000h	97 %
Lumen Maintenance EL 2000h	95 %

Lumen Maintenance EL 4000h	90 %
Lumen Maintenance EL 5000h	88 %
Lumen Maintenance EL 8000h	87 %
Lumen Maintenance EL 10000h	83 %
Lumen Maintenance EL 12000h	82 %
Lumen Maintenance EL 15000h	80 %
Design Mean Lumens EL	6730 Lm
Chromaticity Coordinate X	0.435 -
Chromaticity Coordinate Y	0.396 -

### • Electrical Characteristics

System Power EL	80 W
Lamp Wattage	70 W
Lamp Wattage EM 25°C, Nominal	70.0 W
Lamp Wattage EM 25°C, Rated	72.0 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	85 V
Lamp Current EM	1 A
Lamp Current EL	0.86 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min



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Re-ignition Time [min] 15 (max) min  
Dimmable No

## • Environmental Characteristics

Energy Efficiency Label (EEL) A+  
Mercury (Hg) Content 6.6 mg  
Energy consumption kWh/1000h 80 kWh

## • UV-related Characteristics

Damage Factor D/fc PET (NIOSH) 0.3 (max) - 8 (min) h500lx

## • 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 7.15 mm  
Light Center Length L [inch] 2.16 (min), 2.20 (nom), 2.24 (max) in  
Overall Length C 4 (max) in  
Diameter D [inch] 0.79 (max) in

## • Product Data

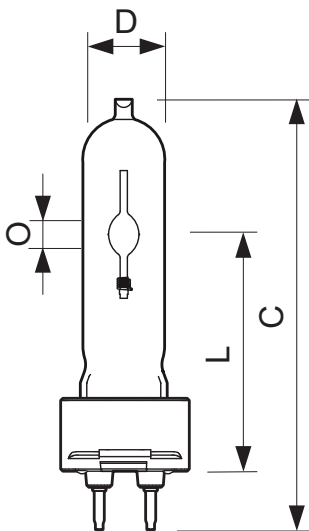
Order code 928185305131  
Full product code 928185305131  
Full product name MASTERColour CDM-T Elite 70W/930 G12 1CT  
Order product name MASTERC CDM-T Elite 70W/930 G12 1CT/12  
Pieces per pack 1  
Packing configuration 12  
Packs per outerbox 12  
Bar code on pack - EAN1 8727900911411  
Bar code on outerbox - EAN3 8727900911428  
Logistic code(s) - 12NC 928185305131  
ILCOS code MT/UB-70/930-H-G12-20/90  
Net weight per piece 0.029 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.

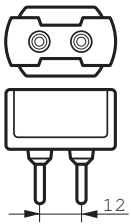
## Dimensional drawing



## MASTERColour CDM-T Elite 70W/930 G12 1CT

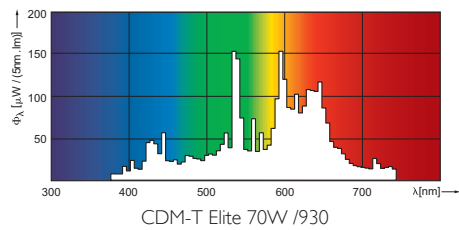
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T Elite 70W/930 G12	103	20	55	56	57	7.15

## Dimensional drawing



G12

## Photometric data



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2015, July 11  
data subject to change