MasterColor CDM-T T6 Elite

MASTERColor CDM-T Elite 70W/930 G12 1CT

The Elite family is at the very top of the MasterColor CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime, while keeping running costs low. MasterColor metal halide lamps deliver consistent white light and higher color rendering than any standard metal halide source for architectural lighting.

Product data

- General Information

Cap-Base	G12 [G12]
Bulb Shape	T6 [Diameter: 6/8 inch/19 mm]
Operating Position	Universal [Universal]
Life To 5% Failures (Nom)	12000 h
Life To 10% Failures (Nom)	14000 h
Life To 20% Failures (Nom)	16000 h
Life To 50% Failures (Nom)	20000 h
ANSI Code HID	C139/E

- Light Technical

Color Code	930 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	7500 lm
Color Designation	Warm White (WW)
Lumen Maintenance 1000 h (Nom)	97 %
Lumen Maintenance 12000 h (Nom)	82 %
Lumen Maintenance 10000 h (Nom)	83 %
Lumen Maintenance 2000 h (Nom)	95 %
Lumen Maintenance 4000 h (Nom)	90 %
Lumen Maintenance 5000 h (Nom)	88 %
Chromaticity Coordinate X (Nom)	0.435
Chromaticity Coordinate Y (Nom)	0.396
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	103 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

- Operating and Electrical

Power (Rated) (Nom)	73 W
Lamp Current Run-Up (Max)	2 A
Lamp Current (EM) (Nom)	1 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	90 V
Voltage (Min)	79 V
Voltage (Nom)	85 V

- Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min
Run-Up Time 90% (Nom)	1.5 min

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MasterColor CDM-T T6 Elite

- Mechanical and Housing

Bulb Finish	Clear (CL)

- Approval and Application

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

- UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

- Luminaire Design Requirements

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

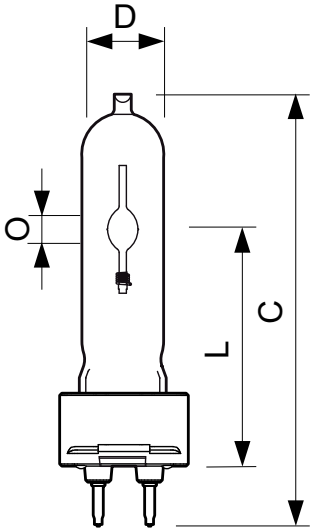
- Product Data

Order product name	MASTERColor CDM-T Elite 70W/930 G12 1CT
EAN/UPC - Product	046677409159
Order code	409151
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928185305115
Net Weight (Piece)	0.029 kg
ILCOS Code	MT/UB-70/930-H-G12-20/90

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Dimensional drawing

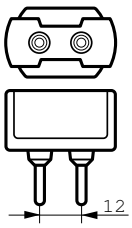


CDM-T Elite 35W - 150W G12

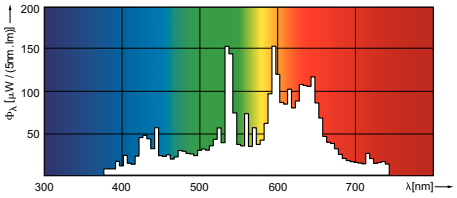
CDM-T Elite 70W/930 G12

Product	D	O	L	L	L	C
MASTERColor CDM-T Elite 70W/930 G12 1CT	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm

Dimensional drawing



Photometric data



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data subject to change