



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	
Base	G12 [G12]
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)	7800 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

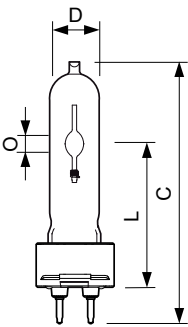
Chromaticity Coordinate Y (Nom)	0.396
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	103 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90
Operating and Electrical	
Power (Rated) (Nom)	73.2 W
Lamp Current Run-Up (Max)	2 A
Lamp Current (EM) (Nom)	1 A
Ignition 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

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Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	3 min
Run-Up Time 90% (Nom)	1.5 min
Mechanical and Housing	
Bulb Finish	Clear
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

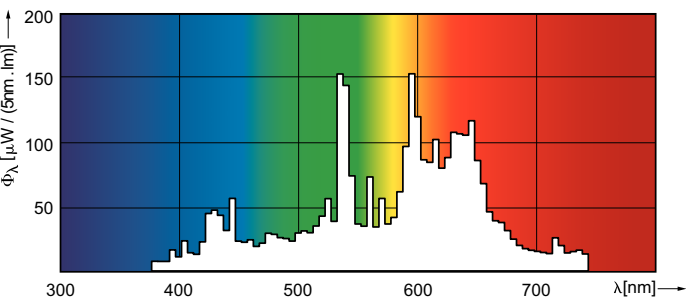
Dimensional drawing



CDM-T Elite 70W/930 G12

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

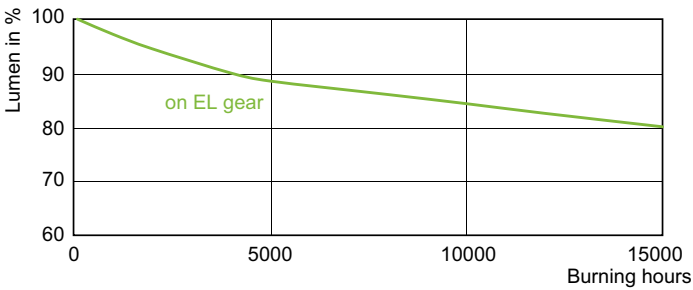
Photometric data



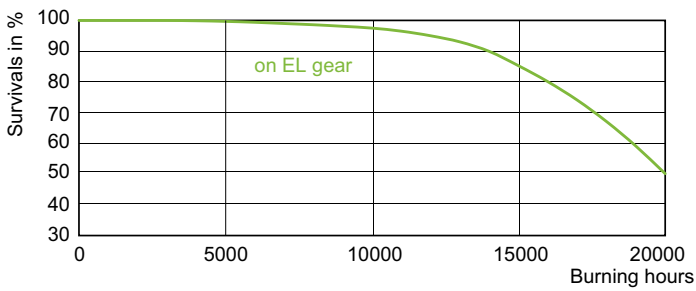
LDPO_CDM-T-E_0002-Spectral power distribution Colour

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Lifetime



LDLM_CDM-T-E_0007-Lumen maintenance diagram



LDLE_CDM-T-E_0006-Life expectancy diagram

