



MASTERCcolour CDM-T Elite

MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12

Single-ended, very high-efficiency, long-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high color rendering

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.

Product data

General Information		Lumen Maintenance 12000 h (Nom)	
Cap-Base	G12 [G12]	Lumen Maintenance 10000 h (Nom)	82 %
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 2000 h (Nom)	83 %
Life to 5% Failures (Nom)	12000 h	Lumen Maintenance 4000 h (Nom)	95 %
Life To 10% Failures (Nom)	14000 h	Lumen Maintenance 5000 h (Nom)	90 %
Life to 20% Failures (Nom)	16000 h	Chromaticity Coordinate X (Nom)	0.435
Life to 50% Failures (Nom)	20000 h	Chromaticity Coordinate Y (Nom)	0.396
ANSI Code HID	C139/E	Correlated Color Temperature (Nom)	3000 K
Light Technical		Luminous Efficacy (rated) (Nom)	103 lm/W
Color Code	930 [CCT of 3000K]	Color Rendering Index (Min)	87
Luminous Flux (Rated) (Nom)	7800 lm	Color Rendering Index (Nom)	90
Color Designation	Warm White (WW)	Operating and Electrical	
Lumen Maintenance 1000 h (Nom)	97 %	Power (Nom)	73.2 W

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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

Mechanical and Housing

Bulb Finish	Clear
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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

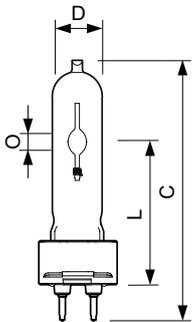
Luminaire Design Requirements

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

Product Data

Full product code	872790091141100
Order product name	MASTERColour CDM-T Elite 70W/930 G12 1CT/12
EAN/UPC - Product	8727900911411
Order code	928185305131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928185305131
Net Weight (Piece)	0.029 kg
ILCOS Code	MT/UB-70/930-H-G12-20/90

Dimensional drawing

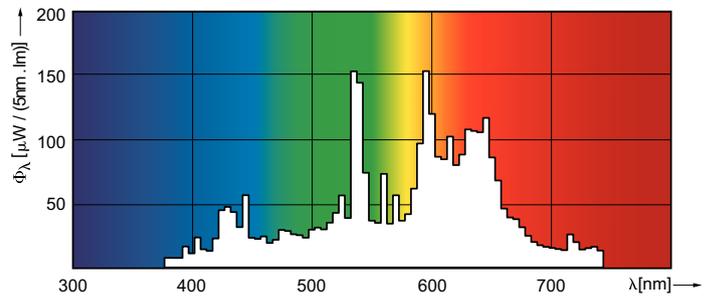


CDM-T Elite 70W/930 G12

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 70W/930 G12 1CT/12	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm

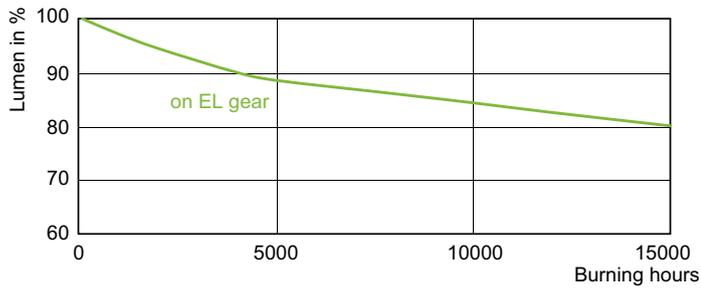
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Photometric data

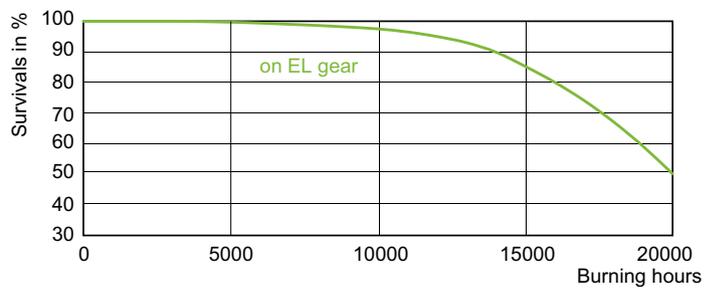


LDPO_CDM-T-E_0002-Spectral power distribution Colour

Lifetime



LDLM_CDM-T-E_0007-Lumen maintenance diagram



LDLE_CDM-T-E_0006-Life expectancy diagram

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