

MASTERColour CDM-T Elite

MASTERColour CDM-T Elite 70W/942 G12 1CT

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	
Cap-Base	G12 [G12]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	10000 h
Life to 20% Failures (Nom)	12000 h
Life to 50% Failures (Nom)	15000 h
ANSI Code HID	C139/E
Flux measurement reference	Sphere

Light technical	
Color Code	942 [CCT of 4200K]
Luminous Flux (Nom)	7500 lm
Luminous Flux (Rated) (Nom)	7500 lm

Color Designation	Cool White (CW)
Lumen Maintenance 1000 h (Nom)	91 %
Lumen Maintenance 12000 h (Nom)	79 %
Lumen Maintenance 10000 h (Nom)	80 %
Lumen Maintenance 2000 h (Nom)	88 %
Lumen Maintenance 4000 h (Nom)	85 %
Lumen Maintenance 5000 h (Nom)	84 %
Chromaticity Coordinate X (Nom)	0.371
Chromaticity Coordinate Y (Nom)	0.366
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

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Operating and electrical	
Power (Nom)	73.2 W
Lamp Current (EM) (Nom)	0.97 A
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	93 V
Voltage (Min)	81 V
Voltage (Nom)	87 V

Controls and dimming	
Dimmable	No
Run-Up Time 90% (Max)	3 min

Mechanical and housing	
Bulb Finish	Clear
Bulb Shape	T19 [T 19mm]

Approval and application	
Energy Efficiency Class	F
Mercury (Hg) Content (Max)	6.6 mg
Mercury (Hg) Content (Nom)	6.6 mg
Energy Consumption kWh/1000 h	74 kWh

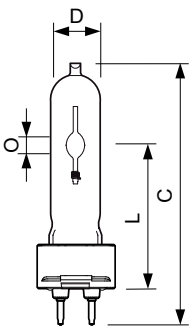
EPREL Registration Number	473273

UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.4

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

Product data	
Full product code	871829116362600
Order product name	MASTERColour CDM-T Elite 70W/942 G12 1CT
EAN/UPC - Product	8718291163626
Order code	928193705131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928193705131
Copy Net Weight (Piece)	0.028 kg
ILCOS Code	MT/UB-70/942-H-G12-20/90

Dimensional drawing

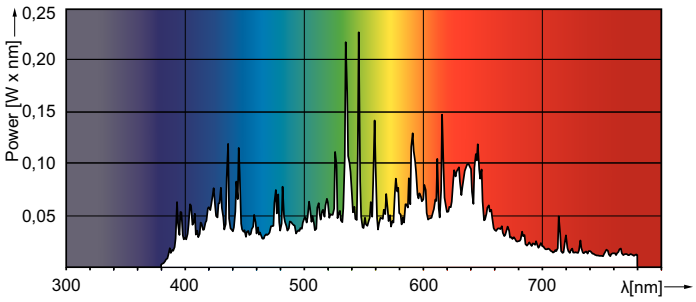


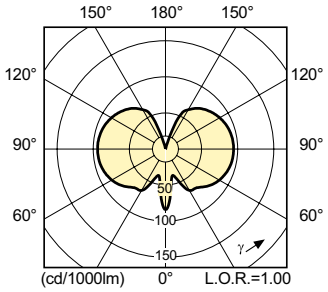
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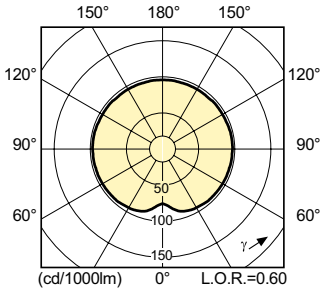
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 70W/942 G12 1CT	20 mm	7.75 mm	55 mm	57 mm	56 mm	103 mm

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Photometric data



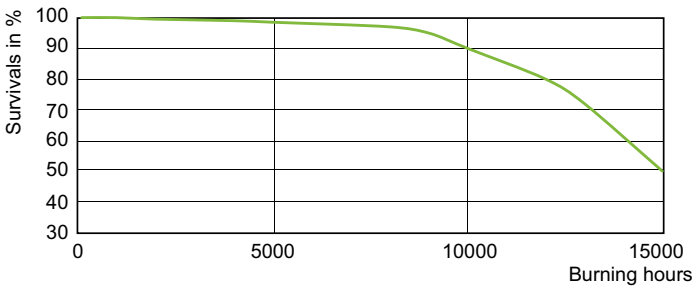


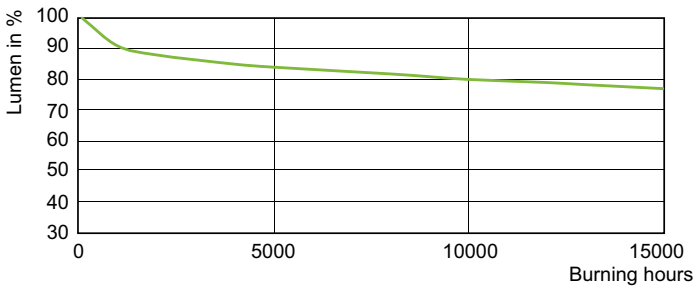


LDPO_CDM-T-E_0005-Spectral power distribution Colour

LDLD_CDM-T-E_0011-Light distribution diagram

Lifetime





LDLE_CDM-T-E_0011-Life expectancy diagram

LDLM_CDM-T-E_0011-Lumen maintenance diagram

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