



MASTERColour CDM-T Elite

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

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp

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]	Lumen maintenance 10,000 hours (nom.)	80 %
Burning Position	UNIVERSAL [Any/Universal]	Lumen maintenance 2,000 hours (nom.)	88 %
Life to 5% failures (nom.)	9000 h	Lumen maintenance 4,000 hours (nom.)	85 %
Life to 10% failures (nom.)	10000 h	Lumen maintenance 5,000 hours (nom.)	84 %
Life to 20% failures (nom.)	12000 h	Chromaticity coordinate X (nom.)	0.362
Life to 50% failures (nom.)	15000 h	Chromaticity coordinate Y (nom.)	0.363
ANSI code HID	C139/E	Colour Temperature, horizontal (Nom)	4200 K
Light Technical		Lamp Luminous Efficacy EM (Nom)	100 lm/W
Colour Code	942 [CCT of 4,200 K]	Colour Rendering Index,horiz (Min)	87
Lamp Luminous Flux (Nom)	7500 lm	Colour Rendering Index,horiz (Nom)	90
Colour Designation	Cool White (CW)	Operating and Electrical	
Lumen maintenance 1,000 hours (nom.)	91 %	Power (Rated) (Nom)	73.2 W
Lumen maintenance 12,000 hours (nom.)	79 %	Lamp current (EM) (nom.)	0.97 A
		Ignition supply voltage (min.)	198 V

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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

Lamp Finish	Clear
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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	6.6 mg
Energy consumption kWh/1,000 hours	80 kWh

UV

PET (NIOSH) (min.)	8 h/500lx
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Damage factor D/fc (max.)	0.4
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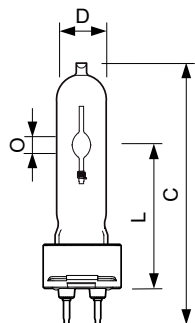
Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Cap-base temperature (max.)	250 °C
Pinch temperature (max.)	350 °C

Product Data

Full product code	871869648457900
Order product name	MASTERColour CDM-T Elite 70W/942 G12 1CT
EAN/UPC – product	8718696484579
Order code	928193705129
Local order code	CDMT70W942
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12 NC)	928193705129
Net Weight (Piece)	28.000 g
ILCOS code	MT/UB-70/942-H-G12-20/90

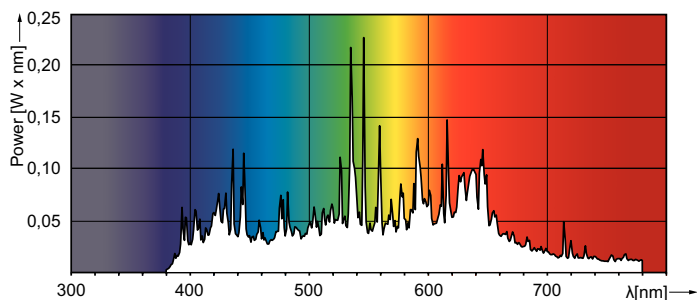
Dimensional drawing



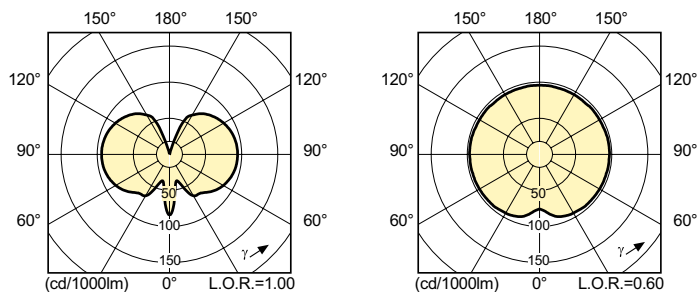
CDM-T Elite 70W/942 G12

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

Photometric data



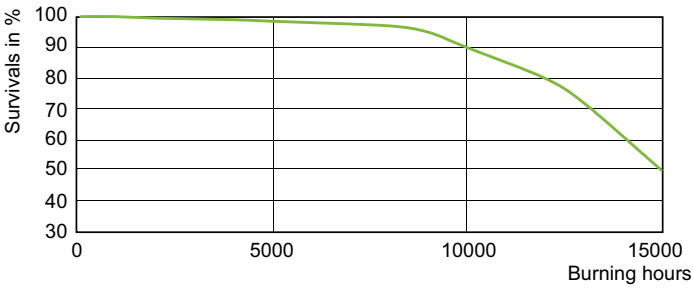
LDPO_CDM-T-E_0005-Spectral power distribution Colour



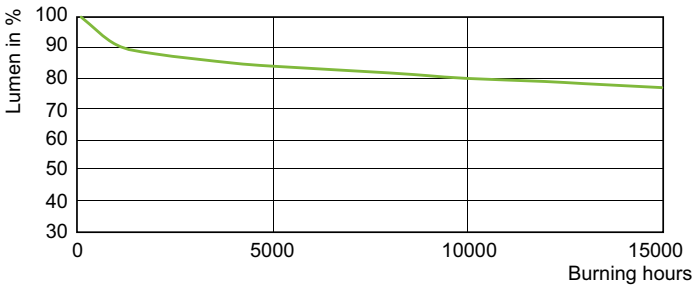
LDLD_CDM-T-E_0011-Light distribution diagram

MASTERColour CDM-T Elite

Lifetime



LDLE_CDM-T-E_0011-Life expectancy diagram



LDLM_CDM-T-E_0011-Lumen maintenance diagram

