



MASTERColour CDM-T Elite

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

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

Product data

General Information		Operating and Electrical	
Cap base	G12 [G12]	Colour Rendering Index,horiz (Min)	88
Burning Position	UNIVERSAL [Any/Universal]	Colour Rendering Index,horiz (Nom)	91
Life to 5% failures (nom.)	9000 h	Operating and Electrical	
Life to 10% failures (nom.)	10000 h	Power (Rated) (Nom)	73 W
Life to 20% failures (nom.)	12000 h	Lamp current (EM) (nom.)	0.97 A
Life to 50% failures (nom.)	15000 h	Ignition supply voltage (min.)	198 V
ANSI code HID	C139/E	Re-ignition time (min.) (max.)	15 min
Light Technical		Ignition time (max.)	30 s
Colour Code	942 [CCT of 4,200 K]	Voltage (Max)	93 V
Lamp Luminous Flux (Nom)	7500 lm	Voltage (Min)	81 V
Colour Designation	Cool White (CW)	Voltage (Nom)	87 V
Lumen maintenance 1,000 hours (nom.)	91 %	Controls and Dimming	
Lumen maintenance 12,000 hours (nom.)	79 %	Dimmable	no
Lumen maintenance 10,000 hours (nom.)	80 %	Run-up time 90% (max.)	3 min
Lumen maintenance 2,000 hours (nom.)	88 %	Mechanical and Housing	
Lumen maintenance 4,000 hours (nom.)	85 %	Bulb finish	Clear
Lumen maintenance 5,000 hours (nom.)	84 %	Approval and Application	
Chromaticity coordinate X (nom.)	0.362	Energy efficiency label (EEL)	A+
Chromaticity coordinate Y (nom.)	0.363	Mercury (Hg) content (nom.)	6.6 mg
Colour Temperature, horizontal (Nom)	4200 K		
Lamp Luminous Efficacy EM (Nom)	100 lm/W		

MASTERCcolour CDM-T Elite

Energy Consumption kWh/1000 h	80 kWh
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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

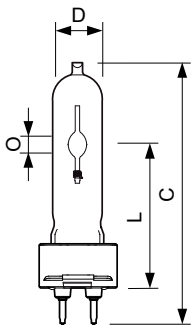
Full product code	871869648457900
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Order product name	MASTERCcolour CDM-T Elite 70W/942 G12 1CT
EAN/UPC – product	8718696484579
Order code	48457900
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928193705129
Net weight (piece)	28.000 g
ILCOS Code	MT/UB-70/942-H-G12-20/90

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.

Dimensional drawing



CDM-T Elite 70W/942 G12

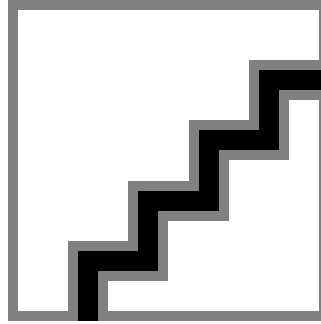
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-T Elite	20 mm	7.75	55 mm	57 mm	56 mm	103 mm
70W/942 G12 1CT		mm				

MASTERC colour CDM-T Elite

Photometric data

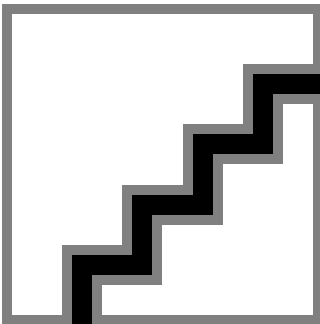


LDPO_CDM-T-E_0005-Spectral power distribution Colour

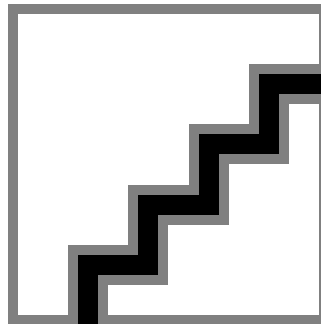


LDLD_CDM-T-E_0011-Light distribution diagram

Lifetime



LDLE_CDM-T-E_0011-Life expectancy diagram



LDLM_CDM-T-E_0011-Lumen maintenance diagram

