



MASTERCcolour CDM-T



MASTERCcolour CDM-T 70W/942 G12 1CT/12

Range of single-ended, compact, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light

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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control gear.
- 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/Universal]
Life to 5% failures (nom.)	9000 h
Life to 10% failures (nom.)	10000 h
Life to 20% failures (nom.)	11000 h
Life to 50% failures (nom.)	12000 h
ANSI code HID	C139/E
	Sphere
Light technical	
Colour Code	942 [CCT of 4,200 K]
Luminous flux (nom.)	6200 lm

Luminous flux (rated) (nom.)	6200 lm
Colour designation	Cool White (CW)
Lumen maintenance 10,000 hours (nom.)	65 %
Lumen maintenance 2,000 hours (min.)	75 %
Lumen maintenance 2,000 hours (nom.)	85 %
Lumen maintenance 5,000 hours (min.)	65 %
Lumen maintenance 5,000 hours (nom.)	75 %
Chromaticity coordinate X (nom.)	0.371
Chromaticity coordinate Y (nom.)	0.366
Correlated Colour Temperature (Nom)	4200 K
Luminous efficacy (rated) (nom.)	85 lm/W
Colour rendering index (nom.)	92

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Operating and electrical

Power (Rated) (Nom)	73.2 W
Lamp current run-up (max.)	1.4 A
Lamp current (EM) (nom.)	0.98 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Ignition peak voltage (min.)	3500 V
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
Voltage (Max)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V

Controls and dimming

Dimmable	No
Run-up time 90% (max.)	3 min

Mechanical and housing

Lamp Finish	Clear
Bulb shape	T19 [T 19mm]

Approval and application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	6.1 mg
Mercury (Hg) content (nom.)	6.1 mg
Energy consumption kWh/1,000 hours	74 kWh
	473337

UV

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

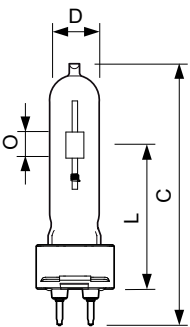
Luminaire design requirements

Bulb temperature (max.)	500 °C
Cap-base temperature (max.)	280 °C
Cap-Base Temperature (Max)-DUP(do not use)	536 °F
Pinch temperature (max.)	350 °C
Pinch Temperature (Max)-DUP(do not use)	350 °C

Product data

Full product code	871150019927015
Order product name	MASTERColour CDM-T 70W/942 G12 1CT/12
EAN/UPC – product	8711500199270
Order code	19927015
Local order code	70CDMT942
SAP numerator – quantity per pack	1
Local code description	8348285
Numerator – packs per outer box	12
SAP material	928084505131
Net Weight (Piece)	0.029 kg
ILCOS code	MT/UB-70/942-H-G12-20/90

Dimensional drawing

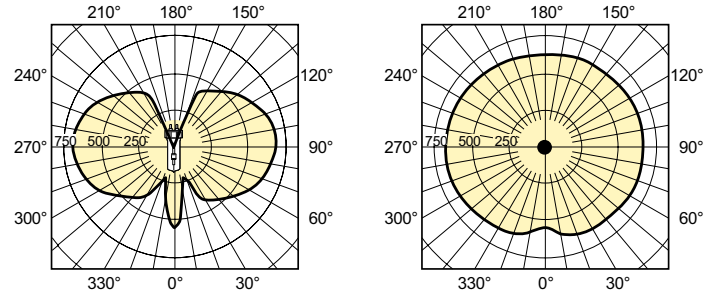


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Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 70W/942 G12 1CT/12	20 mm	0.75 in	6 mm	55 mm	57 mm	56 mm	103 mm

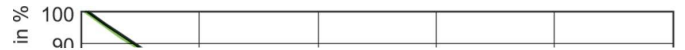
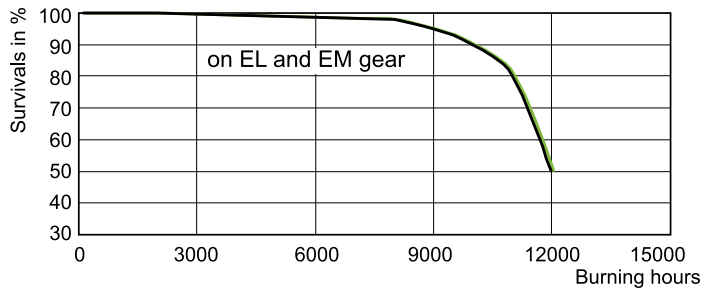
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Photometric data



LDLD_CDM-T_70W_830_942-Light distribution diagram

Lifetime



LDLE_CDM-T_70W_942-Life expectancy diagram

