



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		Lumen maintenance 10,000 hours (nom.)	
Cap base	G12 [G12]	Lumen maintenance 2,000 hours (min.)	65 %
Burning Position	UNIVERSAL [Any/Universal]	Lumen maintenance 2,000 hours (nom.)	75 %
Life to 5% failures (nom.)	9000 h	Lumen maintenance 5,000 hours (min.)	85 %
Life to 10% failures (nom.)	10000 h	Lumen maintenance 5,000 hours (nom.)	65 %
Life to 20% failures (nom.)	11000 h	Lumen maintenance 5,000 hours (nom.)	75 %
Life to 50% failures (nom.)	12000 h	Chromaticity coordinate X (nom.)	0.377
ANSI code HID	C139/E	Chromaticity coordinate Y (nom.)	0.376
		Colour Temperature, horizontal (Nom)	4200 K
		Lamp Luminous Efficacy EM (Nom)	85 lm/W
		Colour Rendering Index,horiz (Nom)	92
Light Technical		Operating and Electrical	
Colour Code	942 [CCT of 4,200 K]	Power (Rated) (Nom)	73.2 W
Lamp Luminous Flux (Nom)	6200 lm		
Colour Designation	Cool White (CW)		

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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
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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	6.1 mg
Energy consumption kWh/1,000 hours	80 kWh

UV

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

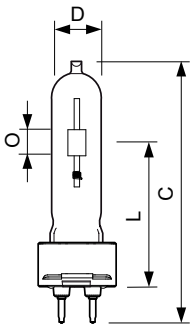
Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Cap-base temperature (max.)	280 °C
Pinch temperature (max.)	350 °C

Product Data

Full product code	871869648449400
Order product name	MASTERCcolour CDM-T 70W/942 G12 1CT/12
EAN/UPC – product	8718696484494
Order code	928084505129
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928084505129
SAP net weight (piece)	29.000 g
ILCOS code	MT/UB-70/942-H-G12-20/90

Dimensional drawing

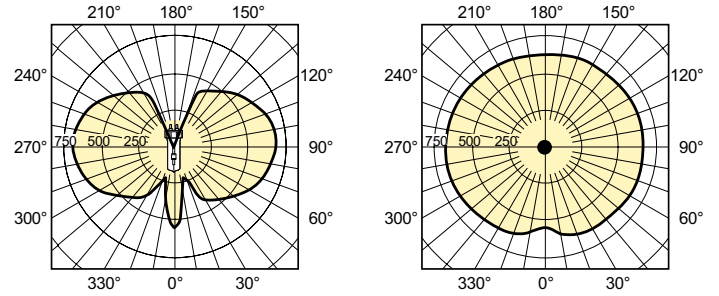


CDM-T 70W/942 G12

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

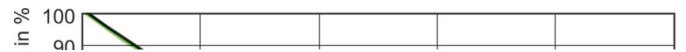
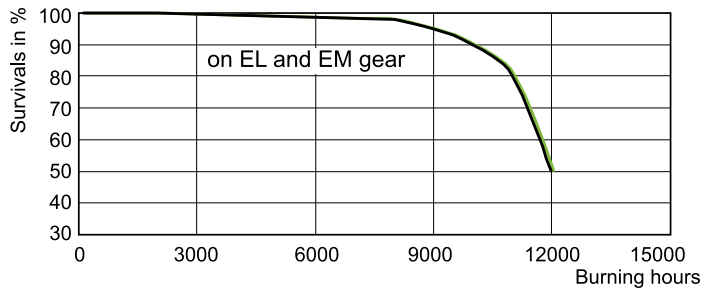
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Photometric data



LDLD_CDM-T_70W_830_942-Light distribution diagram

Lifetime



LDLE_CDM-T_70W_942-Life expectancy diagram

