

PHILIPS

Lighting



MASTERColour CDM-T

MASTERColour 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

Product data

General Information	
Cap base	G12 [G12]
Burning 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

Light Technical	
Colour Code	942 [CCT of 4,200 K]
Lamp Luminous Flux (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.)	0.377
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
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Operating and Electrical	
Power (Rated) (Nom)	73 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

MASTERCoulour CDM-T

Mechanical and Housing

Bulb finish	Clear
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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	6.1 mg
Energy Consumption kWh/1000 h	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

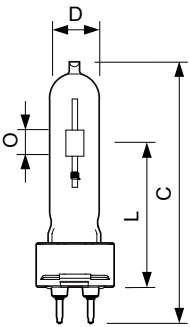
Pinch temperature (max.)	350 °C
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Product Data

Full product code	871869648449400
Order product name	MASTERCoulour CDM-T 70W/942 G12 1CT/12
EAN/UPC – product	8718696484494
Order code	48449400
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928084505129
Net weight (piece)	29.000 g
ILCOS Code	MT/UB-70/942-H-G12-20/90

Warnings and Safety

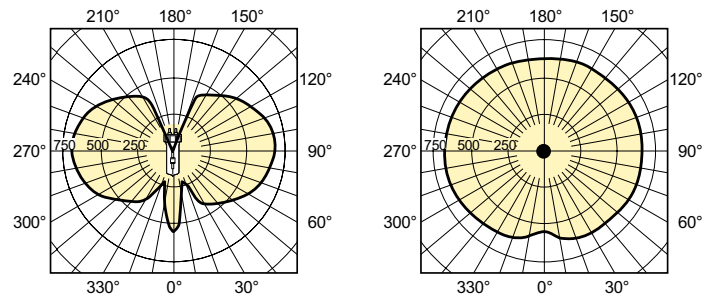
Dimensional drawing



CDM-T 70W/942 G12

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

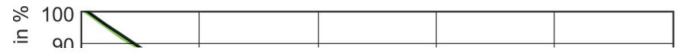
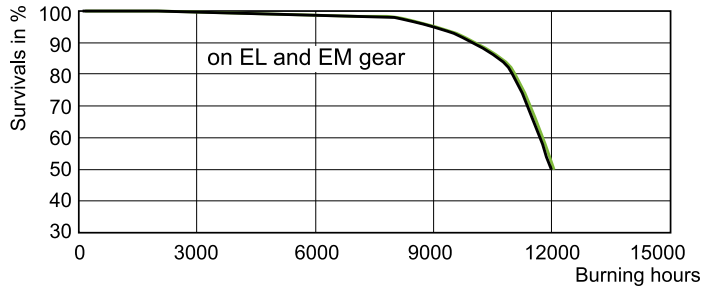
Photometric data



LDLD_CDM-T_70W_830_942-Light distribution diagram

MASTERCcolour CDM-T

Lifetime



LDLE_CDM-T_70W_942-Life expectancy diagram

