

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]
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

Light Technical	
Colour code	942 [CCT of 4,200 K]
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.)	0.377
Chromaticity coordinate Y (nom.)	0.376
Correlated colour temperature (nom.)	4200 K
Luminous efficacy (rated) (nom.)	85 lm/W

Color rendering index (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

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Mechanical and Housing

Bulb finish Clear

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

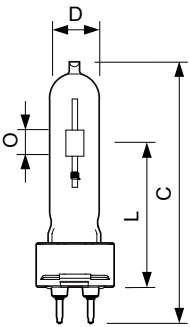
Pinch temperature (max.) 350 °C

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 Code 70CDMT942
 Numerator – quantity per pack 1
 Numerator – packs per outer box 12
 Material no. (12NC) 928084505131
 Net weight (piece) 0.029 kg
 ILCOS Code MT/UB-70/942-H-G12-20/90

Warnings and Safety

Dimensional drawing

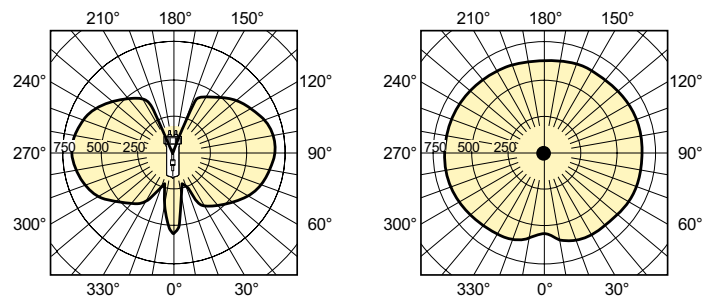


CDM-T 70W/942 G12

Product

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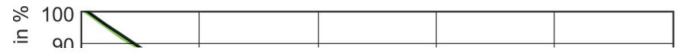
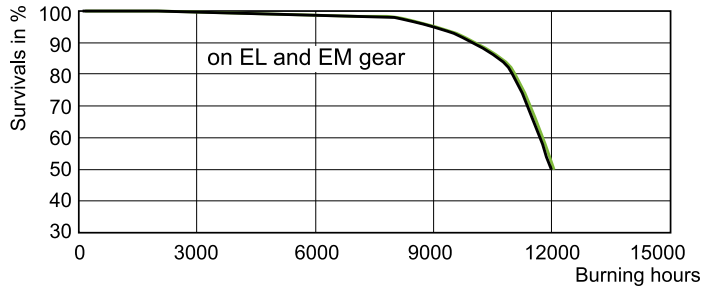
Photometric data



LDLD_CDM-T_70W_830_942-Light distribution diagram

MASTERCcolour CDM-T

Lifetime



LDLE_CDM-T_70W_942-Life expectancy diagram

