

# 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 4200K]
Luminous flux (rated) (nom.)	6300 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.)	86 lm/W
Color rendering index (nom.)	92

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

Mechanical and Housing	
Bulb finish	Clear (CL)

Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	6.1 mg

# MASTERCcolour CDM-T

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

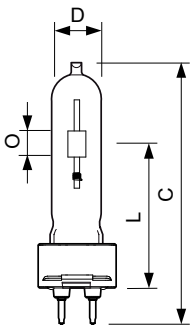
Full product code	871150019927015
-------------------	-----------------

Order product name	MASTERCcolour 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

- 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.

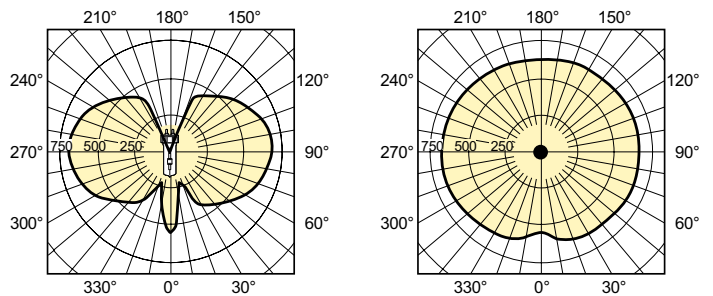
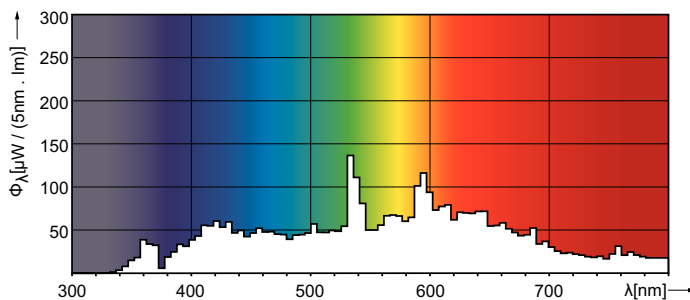
## Dimensional drawing



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 mm	103 mm

## Photometric data



# MASTERColour CDM-T

## Lifetime

