



# MasterColor CDM-T T6

## MasterColor CDM-T 70W/942 G12 T6 CL

MasterColor CDM lamp gives a unique combination of unbeatable light quality and consistent performance over lifetime while keeping running costs low. The Philips MasterColor Tubular Single-Ended T6 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

### Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

### Product data

General Information			
Base	G12 [ G12]	Lumen Maintenance 10000 h (Nom)	65 %
Operating Position	Universal [ Universal]	Lumen Maintenance 2000 h (Min)	75 %
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 2000 h (Nom)	85 %
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 5000 h (Min)	65 %
Life to 20% Failures (Nom)	11000 h	Lumen Maintenance 5000 h (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
		Correlated Color Temperature (Nom)	4200 K
		Luminous Efficacy (rated) (Nom)	85 lm/W
		Color Rendering Index (Nom)	92
Light Technical		Operating and Electrical	
Color Code	942 [ CCT of 4200K]	Power (Rated) (Nom)	73.2 W
Luminous Flux (Rated) (Nom)	6200 lm		
Color Designation	Cool White (CW)		

# MasterColor CDM-T T6

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
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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
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## UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.4

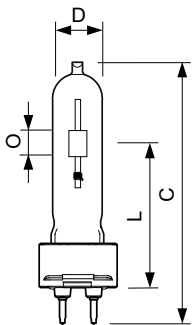
## Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C

## Product Data

Order product name	MasterColor CDM-T 70W/942 G12 T6 CL
EAN/UPC - Product	046677281373
Order code	281378
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928084505115
Net Weight (Piece)	0.029 kg
ILCOS Code	MT/UB-70/942-H-G12-20/90

## Dimensional drawing

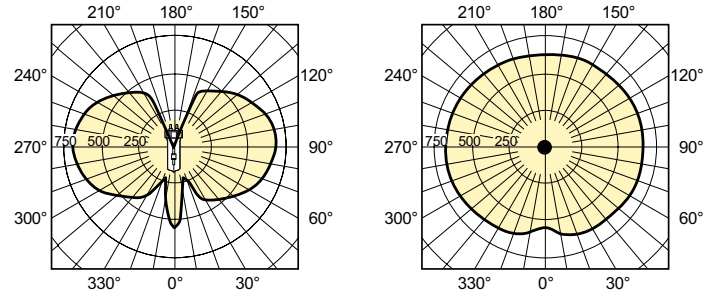


CDM-T 70W/942 G12

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-T 70W/942 G12 T6 CL	20 mm	0.75 in	6 mm	55 mm	57 mm	56 mm	103 mm

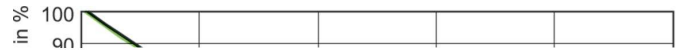
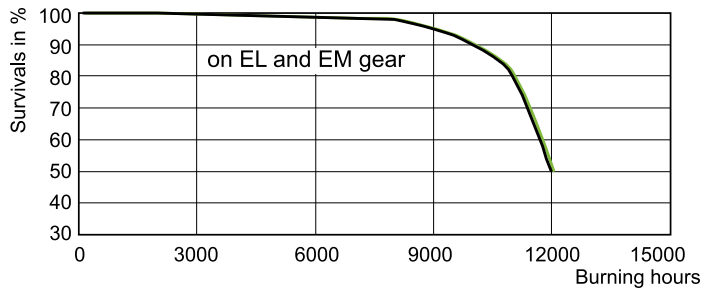
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## Photometric data



LDLD\_CDM-T\_70W\_830\_942-Light distribution diagram

## Lifetime



LDLE\_CDM-T\_70W\_942-Life expectancy diagram

