



# MasterColor CDM-T T6

## MasterColor CDM-T 70W/830 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		Luminous Flux (Rated) (Min)	
Base	G12 [ G12]		5600 lm
Operating Position	Universal [ Universal]	Luminous Flux (Rated) (Nom)	6200 lm
Life to 5% Failures (Nom)	9000 h	Color Designation	Warm White (WW)
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 10000 h (Nom)	70 %
Life to 20% Failures (Nom)	11000 h	Lumen Maintenance 2000 h (Min)	75 %
Life to 50% Failures (Nom)	12000 h	Lumen Maintenance 2000 h (Nom)	85 %
ANSI Code HID	C139/E	Lumen Maintenance 5000 h (Min)	70 %
		Lumen Maintenance 5000 h (Nom)	80 %
		Chromaticity Coordinate X (Nom)	0.432
		Chromaticity Coordinate Y (Nom)	0.395
		Correlated Color Temperature (Nom)	3000 K
Light technical			
Color Code	830 [ CCT of 3000K]		

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Luminous Efficacy (rated) (Nom)	85 lm/W
Color Rendering Index (Nom)	84

## Operating and electrical

Power (Rated) (Nom)	73.2 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
Bulb Shape	T6 [ Diameter: 6/8 inch/19 mm]

## Approval and application

Mercury (Hg) Content (Nom)	4.6 mg
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Energy Consumption kWh/1000 h	80 kWh
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## UV

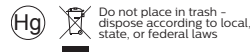
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

## Luminaire design requirements

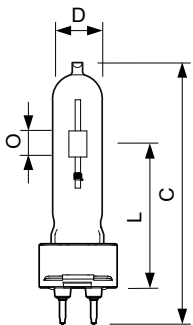
Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C

## Product data

Order product name	MasterColor CDM-T 70W/830 G12 T6 CL
EAN/UPC - Product	046677223373
Order code	223370
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928082305115
Net Weight (Piece)	0.029 kg
ILCOS Code	MT/UB-70/830-H-G12-20/90



## Dimensional drawing

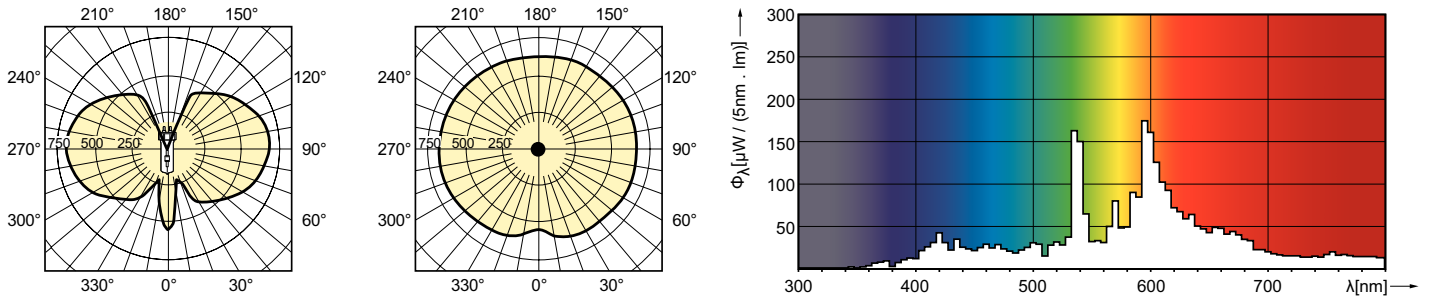


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Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-T 70W/830 G12 T6 CL	20 mm	0.75 in	7 mm	55 mm	57 mm	56 mm	103 mm

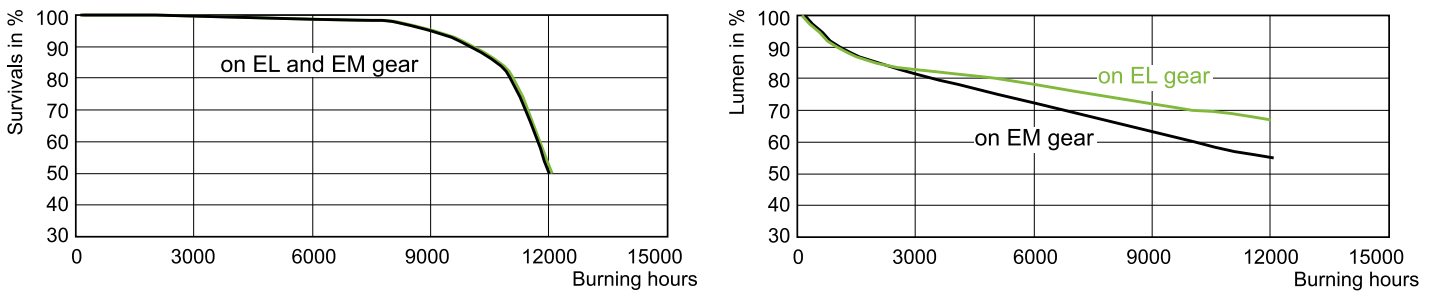
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## Photometric data



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

## Lifetime



LDLE\_CDM-T\_70W\_830-Life expectancy diagram

LDLM\_CDM-T\_70W\_830-Lumen maintenance diagram

