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 or 1-800-555-0050

Product data

General information	
Base	G12 [G12]
Operating Position	Universal [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	
Color Code	942 [CCT of 4200K]

Luminous Flux (Rated) (Nom)	6200 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Nom)	65 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	75 %
Chromaticity Coordinate X (Nom)	0.377
Chromaticity Coordinate Y (Nom)	0.376
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	85 lm/W

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Color Rendering Index (Nom)	92

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)	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)	932 °F
Cap–Base Temperature (Max)	536 °F
Cap–Base Temperature (Max)–DUP(do not use)	536 °F
Pinch Temperature (Max)	662 °F
Pinch Temperature (Max)–DUP(do not use)	662 °F

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)	0.064 lb
ILCOS Code	MT/UB-70/942-H-G12-20/90

(Hg) ⌧ Do not place in trash –
dispose according to local,
state, or federal laws
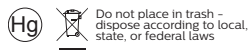
Dimensional drawing
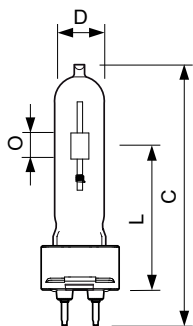
MasterColor CDM-T 70W/942 G12 T6 CL

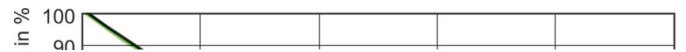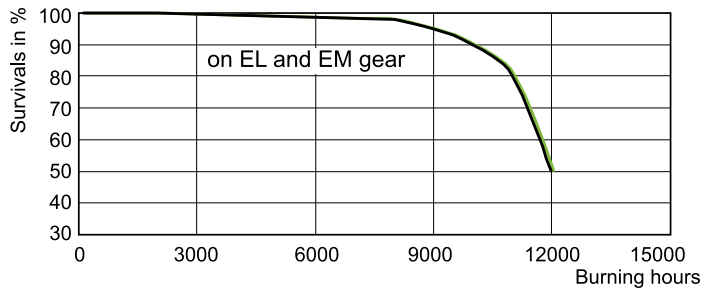| Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-T 70W/942 G12 T6 CL	13/16 in	0.75 in	1/4 in	2–3/16 in	2–1/4 in	2–1/4 in	4–1/16 in

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Photometric data
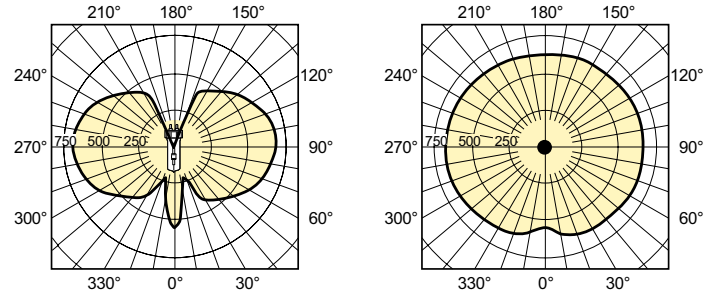
LDLD_CDM-T_70W_830_942-Light distribution diagram

Lifetime

LDLE_CDM-T_70W_942-Life expectancy diagram

www.lighting.philips.com

2022, September 12 – data subject to change