MasterColor CDM-TC T4

MasterColor CDM-TC 70W/830 G8.5 T4 CL

MasteColor 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 T4 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

Product data

- General Information

Cap-Base	G8.5 [G8.5]
Operating Position	Universal [Universal]
Life To 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	8000 h
Life To 20% Failures (Nom)	9000 h
Life To 50% Failures (Nom)	12000 h
ANSI Code HID	C139/E

- Light Technical

Color Code	830 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	6400 lm
Color Designation	Warm White (WW)
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)	0.439
Chromaticity Coordinate Y (Nom)	0.398
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	88 lm/W
Color Rendering Index (Nom)	83

- Operating and Electrical

Power (Rated) (Min)	73.0 W
Power (Rated) (Nom)	70 W
Lamp Current Run-Up (Max)	1.4 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)	87 V
Voltage (Min)	78 V
Voltage (Nom)	83 V

- Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

- Mechanical and Housing

Bulb Finish	Clear (CL)
Bulb Material	UV-Block Quartz

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MasterColor CDM-TC T4

- Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	4.5 mg
Energy Consumption kWh/1000 h	80 kWh

- UV

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

- Luminaire Design Requirements

Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	300 °C

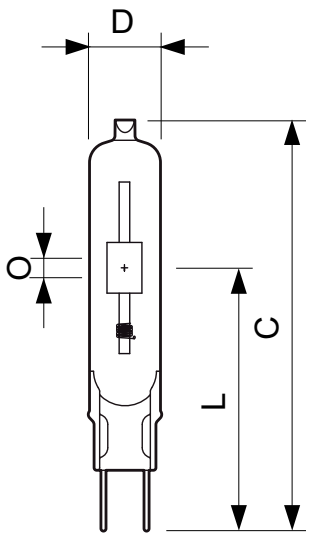
- Product Data

Order product name	MasterColor CDM-TC 70W/830 G8.5 T4 CL
EAN/UPC - Product	046677373733
Order code	373738
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928086505115
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-70/830-H-G8.5-17/85

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)

Dimensional drawing

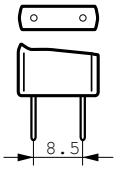


CDM-TC 70W /830

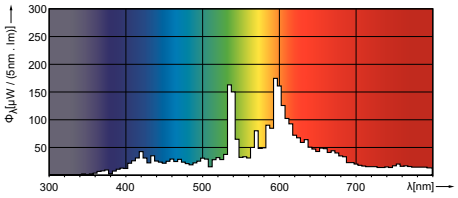
CDM-TC 70W/830 G8.5

Product	D	D	O	L	L	L	C
MasterColor CDM-TC 70W/830 G8.5 T4 CL	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm

Dimensional drawing



Photometric data



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data subject to change