



# MasterColor CDM-TC T4

## MasterColor CDM-TC 70W/830 G8.5 T4 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 T4 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

### Product data

General Information	
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)	6300 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)	86 lm/W
Color Rendering Index (Nom)	83
Operating and Electrical	
Power (Rated) (Nom)	73 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

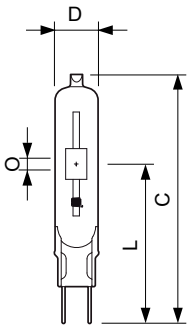
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Run-Up Time 90% (Max)	3 min
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
Bulb Material	UV-Block Quartz
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	4.6 mg
Energy Consumption kWh/1000 h	80 kWh
<b>UV</b>	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	300 °C
<b>Product Data</b>	
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

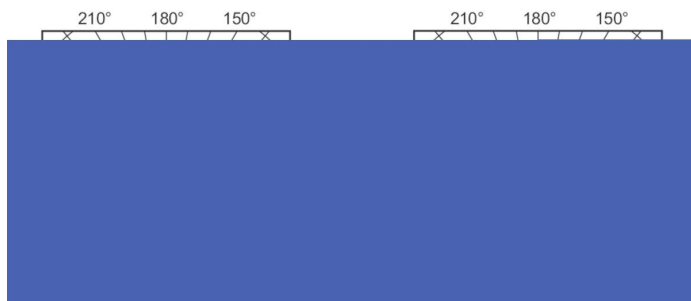
### Dimensional drawing



CDM-TC 70W/830 G8.5

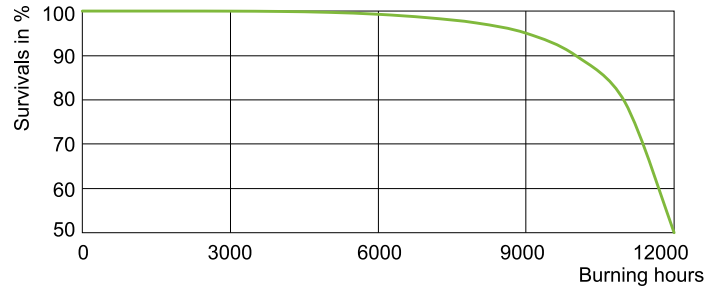
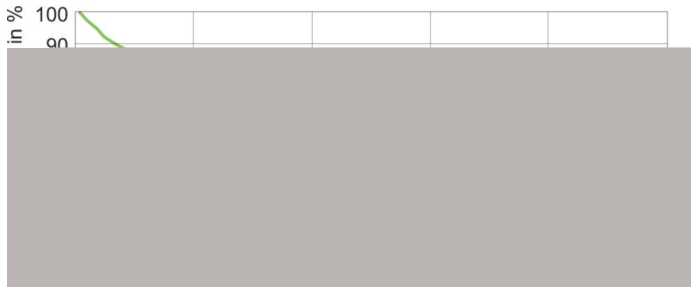
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-TC 70W/830 G8.5 T4 CL	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm

### Photometric data



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## Lifetime



LDLE\_CDM-TC\_0001-Life expectancy diagram

