



MasterColor CDM-TC T4

MasterColor CDM-TC 35W/842 G8.5.1CT/12

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.

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)

Product data

General information			
Cap-Base	G8.5 [G8.5]	Lumen Maintenance 2000 h (Min)	75 %
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 2000 h (Nom)	85 %
Life to 5% Failures (Nom)	6000 h	Lumen Maintenance 5000 h (Min)	70 %
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 5000 h (Nom)	80 %
Life to 20% Failures (Nom)	9000 h	Chromaticity Coordinate X (Nom)	0.370
Life to 50% Failures (Nom)	12000 h	Chromaticity Coordinate Y (Nom)	0.365
ANSI Code HID	C130/E	Correlated Color Temperature (Nom)	4200 K
		Luminous Efficacy (rated) (Nom)	79 lm/W
		Color Rendering Index (Nom)	85
Light technical		Operating and electrical	
Color Code	842 [CCT of 4200K]	Power (Rated) (Min)	39.0 W
Luminous Flux (Rated) (Nom)	3100 lm	Power (Nom)	35 W
Color Designation	Cool White (CW)	Ignition Supply Voltage (Max)	198 V
Lumen Maintenance 10000 h (Nom)	70 %		

MasterColor CDM-TC T4

Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	93 V
Voltage (Min)	77 V
Voltage (Nom)	85 V

Controls and dimming

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

Mechanical and housing

Bulb Finish	Clear
Bulb Material	UV-Block Quartz
Bulb Shape	T14 [T 14 mm]

Approval and application

Mercury (Hg) Content (Nom)	2.7 mg
Energy Consumption kWh/1000 h	43 kWh

UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.5

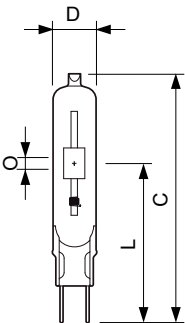
Luminaire design requirements

Bulb Temperature (Max)	500 °C
Pinch Temperature (Max)	300 °C
Pinch Temperature (Max)-DUP(do not use)	300 °C

Product data

Order product name	MasterColor CDM-TC 35W/842 G8.5.1CT/12
EAN/UPC - Product	046677208837
Order code	928099905115
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928099905115
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-35/842-H-G8.5-17/85

Dimensional drawing



MasterColor CDM-TC 35W/842 G8.5.1CT/12

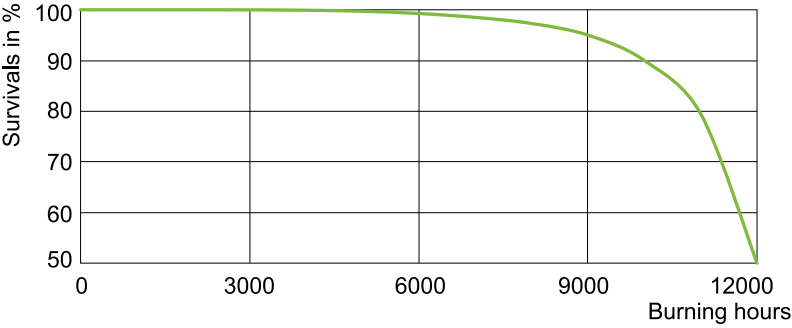
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-TC 35W/842 G8.5.1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm

Photometric data



MasterColor CDM-TC T4

Lifetime



LDLE_CDM-TC_0001-Life expectancy diagram

