



MasterColor CDM-TC T4

MasterColor CDM-TC 70W/842 T4 CL 1CT

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 Characteristics

Base	G8.5
Bulb	T4 [T 14 mm]
Bulb Material	FadeBlock Quartz
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Life to 5% failures EL	6000 hr
Life to 10% failures EL	8000 hr
Life to 20% failures EL	9000 hr
Avg. Hrs. Life	12000 hr

• Light Technical Characteristics

Color Code	842 [CCT of 4200K]
Color Rendering Index	86 (min), 89 (nom) Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4200 K
Initial Lumens	5800 Lm
Luminous Efficacy Lamp EL	79 Lm/W
Lumen Maintenance EL 2000h	80 %
Lumen Maintenance EL 5000h	75 %
Lumen Maintenance EL 10000h	65 %
Design Mean Lumens EL	4300 Lm
Chromaticity Coordinate X	0.362 -
Chromaticity Coordinate Y	0.363 -

• Electrical Characteristics

Watts	70 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	88 V
Lamp Current EL	0.830 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	7 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.5 (max) - 8 (min) h500lx
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• Luminaire Design Requirements

Pinch Temperature	300 (max) °C
Bulb Temperature	700 (max) °C

PHILIPS

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• Product Dimensions

Overall Length C	85 (max) mm
Diameter D	15 (max) mm
Light Center Length L	51 (min), 52 (nom), 53 (max) mm
Arc Length O	5 mm
Light Center Length L	2 in
Max Overall Length (MOL) - C	3.34375 (max) in

• Product Data

Product number	208850
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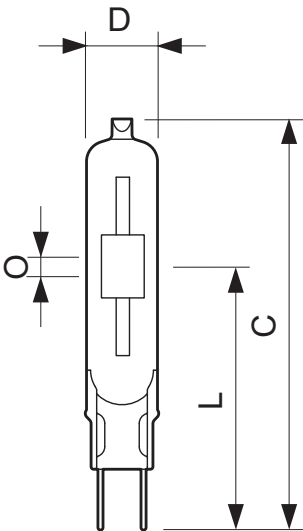
Full product name	MasterColor CDM-TC 70W/842 T4 CL 1CT
Short product name	CDM70/TC/942 12PK
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677208851
Bar code on case	50046677208856
Logistics code(s)	928094605117
tpd_ilcos_cd	MT/UB-70/842-H-G8.5-17/85
eop_net_weight_pp	0.010 kg

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

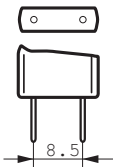
remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Dimensional drawing



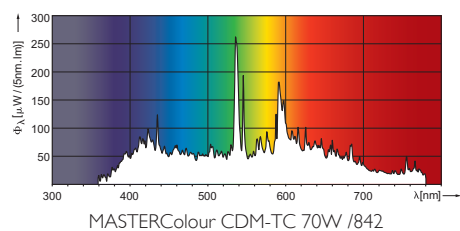
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Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC 70W/842 G8.5	85	15	51	52	53	5



G8.5

Photometric data



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2014, April 8
data subject to change