



MasterColor® CDM-TC T4

MasterColor CDM-TC 70W/830 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)]
Avg. Hrs. Life	12000 hr
Life to 5% failures EL	6000 hr
Life to 20% failures EL	9000 hr
Life to 10% failures EL	8000 hr

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	80 (min), 83 (nom) Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	2915 K
Chromaticity Coordinate X	0.439 -
Chromaticity Coordinate Y	0.398 -
Initial Lumens	6500 Lm
Luminous Efficacy Lamp EL	89 Lm/W
Lumen Maintenance EL 2000h	85 %
Lumen Maintenance EL 5000h	75 %
Lumen Maintenance EL 10000h	65 %
Design Mean Lumens EL	5100 Lm

• Electrical Characteristics

System Power EL	83 W
Watts	70 W
Lamp Wattage EL	73 W
Lamp Voltage	83 V
Lamp Current EL	0.87 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Mercury (Hg) Content	4.5 mg
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• UV-related Characteristics

PET (NIOSH)	64 h.klx
Damage Factor D/fc	0.22 -

• Luminaire Design Requirements

Pinch Temperature	300 (max) C
Bulb Temperature	550 (max) C

• 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	7 mm

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sense and simplicity

Light Center Length L 2 in
 Max Overall Length (MOL) - C 3.34375 (max) in
 Diameter D 0.5 in

Short product name CDM70/TC/830 12PK
 Pieces per Sku 1
 eop_pck_cfg 12
 Skus/Case 12
 Bar code on pack 46677373733
 Bar code on case 50046677373738
 Logistics code(s) 928086505117
 tpd_ilcos_cd MT-70/30/1B-H-G8.5
 eop_net_weight_pp 0.010 kg

• **Product Data**

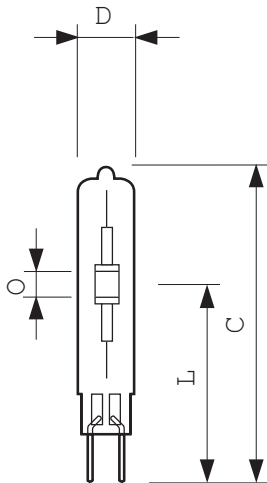
Product number 373738
 Full product name MasterColor CDM-TC 70W/830 T4
 CL 1CT

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

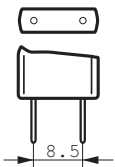
remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter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

Dimensional drawing



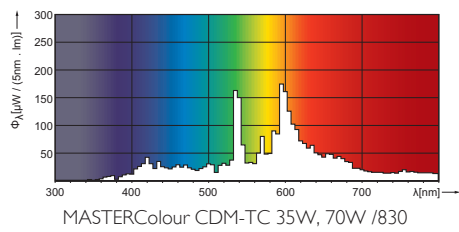
CDM-TC, 35W/70W

Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC 70W/830 G8.5	85	15	51	52	53	7



G8.5

Photometric data



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data subject to change