



# MasterColor® CDM-TC T4

MasterColor CDM-TC 70W/830 T4 CL 1CT

The Elite family is at the very top of the MasterColor® CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime. While keeping running costs low. The Philips MasterColor® 3000KTubular Single-Ended T4 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

## Product data

### • Product Data

Order code	928086505117
Full product code	928086505117
Full product name	MasterColor CDM-TC 70W/830 T4 CL 1CT
Order product name	CDM70/TC/830 12PK
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	46677373733
Bar code on outerbox - EAN3	50046677373738
Logistic code(s) - 12NC	928086505117
ILCOS code	MT-70/30/1B-H-G8.5
Net weight per piece	0.010 kg

### • 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

### • Electrical Characteristics

System Power EL	83 W
Lamp Wattage	70 W
Lamp Wattage EL	73 W

Lamp Voltage	83 V
Lamp Current EL	0.87 A
Ignition Time	30 s
Run-up time 90%	3 min
Ignition Peak Voltage	3500 V
Re-ignition Time [min]	15 min
Dimmable	No

### • Environmental Characteristics

Mercury (Hg) Content	4.5 mg
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### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	80 (min), 83 (nom) Ra8
Color Designation	Warm White
Color Temperature technical	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 %

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sense and simplicity

## • UV-related Characteristics

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

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

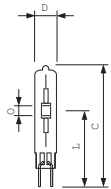
## • Product Dimensions

Overall Length C 85 mm  
 Diameter D 15 mm  
 Light Center Length L 51 (min), 52 (nom), 53 (max) mm  
 Arc Length O 7 mm

## • Luminaire Design Requirements

Pinch Temperature 300 C  
 Bulb Temperature 550 C

## Dimensional drawing



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



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 data subject to change