

# MasterColor CDM-TC T4

## MasterColor CDM-TC 35W/830 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 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 EM	6000 hr
Life to 5% failures EL	6000 hr
Life to 10% failures EM	8000 hr
Life to 10% failures EL	8000 hr
Life to 20% failures EM	9000 hr
Life to 20% failures EL	9000 hr
Avg. Life	10000 hr
Avg. Hrs. Life	12000 hr

Lumen Maintenance EL 2000h	80 %
Lumen Maintenance EM 5000h	55 %
Lumen Maintenance EL 5000h	65 %
Lumen Maintenance EM 10000h	35 %
Lumen Maintenance EL 10000h	50 %
Design Mean Lumens EL	2200 Lm
Design Mean Lumens EM	1850 Lm
Chromaticity Coordinate X	0.432 -
Chromaticity Coordinate Y	0.394 -

#### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	81 Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	3000 K
Initial Lumens	3000 Lm
Initial Lumens	3100 Lm
Luminous Efficacy Lamp EM	79 Lm/W
Luminous Efficacy Lamp EL	79 Lm/W
Lumen Maintenance EM 2000h	70 %

#### • Electrical Characteristics

System Power EM	47 W
System Power EL	44 W
Watts	35 W
Lamp Wattage EM 25°C, Nominal	35.0 W
Lamp Wattage EM 25°C, Rated	38.0 W
Lamp Wattage EL 25°C, Rated	39.0 W
Lamp Wattage EL 25°C, Nominal	35.0 W
Lamp Voltage	88 V
Lamp Current EM	0.53 A
Lamp Current EL	0.47 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min

# PHILIPS

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Ignition Peak Voltage 3500 (min) V  
 Re-ignition Time 15 (max) min  
 [min]  
 Dimmable No

### • Environmental Characteristics

Energy Efficiency A+  
 Label (EEL)  
 Mercury (Hg) 3 mg  
 Content  
 Energy consumption 41 kWh  
 kWh/1000h

### • UV-related Characteristics

Damage Factor D/fc 0.3 (max) -  
 PET (NIOSH) 8 (min) h500lx

### • Luminaire Design Requirements

Pinch Temperature 300 (max) C  
 Bulb Temperature 500 (max) C

### • Product Dimensions

Overall Length C 85 (max) mm

Diameter D 15 (max) mm  
 Light Center Length 51 (min), 52 (nom), 53 (max) mm  
 L  
 Arc Length O 5 mm  
 Light Center Length 2 in  
 L  
 Max Overall Length 3.34375 (max) in  
 (MOL) - C  
 Diameter D 0.5 in

### • Product Data

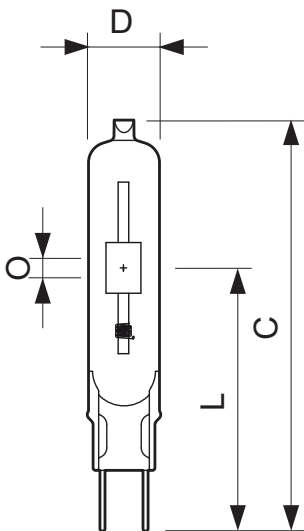
Product number 373720  
 Full product name MASTERColour CDM-TC 35W/830  
 G8.5 T14 CL  
 Short product name MASTERC CDM-TC 35W/830 G8.5  
 T14 CL  
 Pieces per Sku 1  
 eop\_pck\_cfg 12  
 Skus/Case 12  
 Bar code on pack 46677373726  
 Bar code on case 50046677373721  
 Logistics code(s) 928085205115  
 tpd\_ilcos\_cd MT/UB-35/830-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)

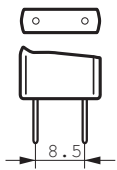
## Dimensional drawing



### MasterColor CDM-TC 35W/830 T4 CL

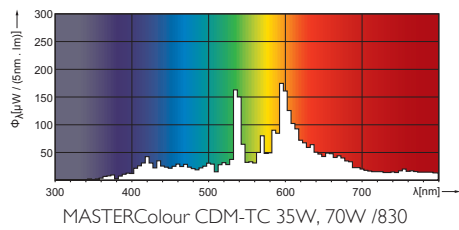
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC 35W/830 G8.5	85	15	51	52	53	5

## Dimensional drawing



G8.5

## Photometric data



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data subject to change