



# Simply irresistible. Superior light quality from start to finish

## MasterColor CDM-TC T4

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.

### Benefits

### Features

### Application

### Warnings and Safety

# MasterColor CDM-TC T4

## Versions

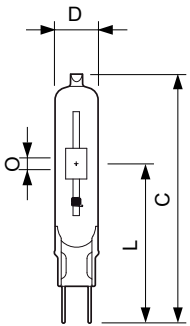
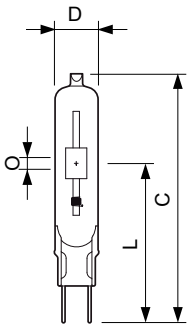


CDM-TC, 35W



CDM-TC 70W /830

## Dimensional drawing



### Product

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

MasterColor CDM-TC 35W/830 G8.5 T4 CL

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-TC 70W/830 G8.5 T4 CL	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm

# MasterColor CDM-TC T4

## Controls and Dimming

Dimmable	No
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## Operating and Electrical

Re-ignition Time (Min) (Max)	15 min
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## General Information

Cap-Base	G8.5
Life To 50% Failures (Nom)	12000 h
Operating Position	UNIVERSAL

## Mechanical and Housing

Bulb Finish	Clear
Bulb Material	UV-Block Quartz
Bulb Shape	T14

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy	
			Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	43 kWh	A	3.1 mg
928099905115	MasterColor CDM-TC 35W/842 G8.5.1CT/12	43 kWh	A+	2.7 mg
928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	80 kWh	A+	4.6 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	0.53 A	96 V	80 V	88 V
928099905115	MasterColor CDM-TC 35W/842 G8.5.1CT/12	-	93 V	77 V	85 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	-	87 V	78 V	83 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power	
		(Rated) (Min)	(Rated) (Nom)
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	-	39.1 W
928099905115	MasterColor CDM-TC 35W/842 G8.5.1CT/12	39.0 W	35 W

Order Code	Full Product Name	Power	
		(Rated) (Min)	(Rated) (Nom)
928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	-	73.2 W

## General Information

Order Code	Full Product Name	Life To 10%	Life To 20%	Life To 5%
		Failures (Nom)	Failures (Nom)	Failures (Nom)
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	10000 h	11000 h	9000 h
928099905115	MasterColor CDM-TC 35W/842 G8.5.1CT/12	10000 h	9000 h	6000 h

Order Code	Full Product Name	Life To 10%	Life To 20%	Life To 5%
		Failures (Nom)	Failures (Nom)	Failures (Nom)
928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	8000 h	9000 h	9000 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	500 °C
928099905115	MasterColor CDM-TC 35W/842 G8.5.1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	550 °C

# MasterColor CDM-TC T4

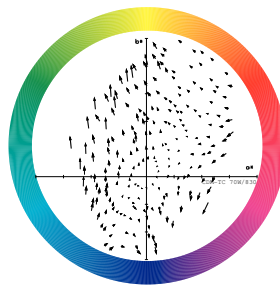
## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Color		Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation			Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	0.432	0.394	830	Warm White (WW)	928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	0.439	0.398	830	Warm White (WW)

## Light Technical (2/2)

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Lumen Maintenance			Luminous Efficacy			Luminous Flux (Rated)
				10000 h (Nom)	2000 h (Min)	2000 h (Nom)	5000 h (Min)	5000 h (Nom)	(rated)	
928085205115	MasterColor CDM-TC 35W/830 G8.5 T4 CL	3000 K	81	50 %	70 %	80 %	50 %	65 %	79 lm/W	3100 lm
928099905115	MasterColor CDM-TC 35W/842 G8.5.1CT/12	4200 K	85	70 %	75 %	85 %	70 %	80 %	79 lm/W	3100 lm
928086505115	MasterColor CDM-TC 70W/830 G8.5 T4 CL	3000 K	83	65 %	75 %	85 %	65 %	75 %	86 lm/W	6300 lm

## Color Rendering Diagrams



210°

180°

150°

