



# Product Description

## MASTERColour CDM-TC

Range of single-ended, very compact, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light

### Benefits

- Long lamp life compared with incandescent and halogen lamps
- UV-Block quartz outer bulb for reduced fading risks
- Stable colour impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation (which enhances comfort for shoppers and staff)

### Features

- Warm or cool white colour impression with good colour rendering
- Allows very small-size luminaire designs that give high beam intensities

### Application

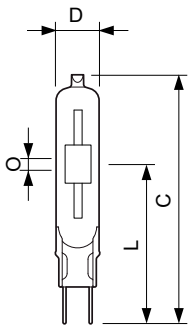
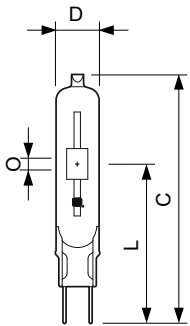
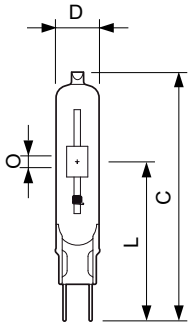
- Sparkling effect, ideal for accent lighting
- General and decorative lighting

### Versions



# MASTERColour CDM-TC

## Dimensional drawing



Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	15 mm	0.5 in	5 mm	51 mm	53 mm	52 mm	85 mm

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	15 mm	5 mm	51 mm	53 mm	52 mm	85 mm
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	15 mm	5 mm	51 mm	53 mm	52 mm	85 mm

### Controls and Dimming

Dimmable	no
----------	----

### Operating and Electrical

Re-ignition Time (Min) (Max)	15 min
------------------------------	--------

### General Information

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

### Mechanical and Housing

Bulb Finish	Clear (CL)
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)
928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	43 kWh	A	3.1 mg
928085205129	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	43 kWh	A	3.1 mg
928093805125	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	43 kWh	A	2.7 mg
928093805129	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	43 kWh	A	2.7 mg
928086505129	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	80 kWh	A+	4.6 mg

# MASTERColour CDM-TC

Order Code	Full Product Name	Energy	Energy	Mercury (Hg) Content (Nom)
		Consumption kWh/1000 h	Efficiency Label (EEL)	
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	80 kWh	A+	4.6 mg
928094605129	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	80 kWh	A	7 mg
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	80 kWh	A	7 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
		928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	0.53 A	96 V
928085205129	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	0.53 A	96 V	80 V	88 V
928093805125	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	-	93 V	77 V	85 V
928093805129	MASTERColour 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)
		928086505129	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	-	87 V
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	-	87 V	78 V	83 V
928094605129	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	-	93 V	83 V	88 V
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	-	93 V	83 V	88 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Min)	Power (Rated) (Nom)
		928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12
928085205129	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	-	39.0 W
928093805125	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	39.0 W	39.0 W
928093805129	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	39.0 W	39.0 W

Order Code	Full Product Name	Power (Rated) (Min)	Power (Rated) (Nom)
		928086505129	MASTERColour CDM-TC 70W/830 G8.5 1CT/12
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	-	73 W
928094605129	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	-	73 W
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	-	73 W

## General Information

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 5% Failures (Nom)
		928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	10000 h
928085205129	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	10000 h	11000 h	9000 h
928093805125	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	8000 h	9000 h	6000 h
928093805129	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	8000 h	9000 h	6000 h

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 5% Failures (Nom)
		928086505129	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	8000 h
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	8000 h	9000 h	9000 h
928094605129	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	8000 h	9000 h	9000 h
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	8000 h	9000 h	9000 h

# MASTERCcolour CDM-TC

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928085205125	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	500 °C
928085205129	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	500 °C
928093805125	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	500 °C
928093805129	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928086505129	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	550 °C
928086505131	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	550 °C
928094605129	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	700 °C
928094605131	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	700 °C

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour Code	Colour Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
928085205125	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	0.432	0.394	830	Warm white (WW)
928085205129	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	0.432	0.394	830	Warm white (WW)
928093805125	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	0.374	0.369	842	Cool White (CW)
928093805129	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	0.374	0.369	842	Cool White (CW)

Order Code	Full Product Name	Chromaticity		Colour Code	Colour Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
928086505129	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	0.439	0.398	830	Warm white (WW)
928086505131	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	0.439	0.398	830	Warm white (WW)
928094605129	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	0.362	0.363	842	Cool White (CW)
928094605131	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	0.362	0.363	842	Cool White (CW)

## Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928085205129	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	3000 K	81	50 %	70 %	80 %	50 %	65 %	79 lm/W	3100 lm
928093805125	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	4200 K	85	70 %	75 %	85 %	70 %	80 %	79 lm/W	3100 lm
928093805129	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	4200 K	85	70 %	75 %	85 %	70 %	80 %	79 lm/W	3100 lm
928086505129	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	3000 K	83	65 %	75 %	85 %	65 %	75 %	88 lm/W	6400 lm

# MASTERColour CDM-TC

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance					Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
				10000 h (Nom)	2000 h (Min)	2000 h (Nom)	5000 h (Min)	5000 h (Nom)		
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	3000 K	83	65 %	75 %	85 %	65 %	75 %	88 lm/W	6400 lm
928094605129	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	4200 K	89	65 %	70 %	80 %	65 %	75 %	79 lm/W	5800 lm
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	4200 K	89	65 %	70 %	80 %	65 %	75 %	79 lm/W	5800 lm

## Color Rendering Diagrams

