



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

Warnings and Safety

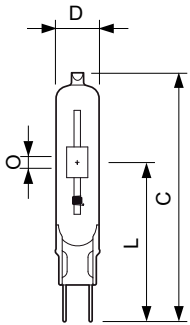
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic gear.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

MASTERColour CDM-TC

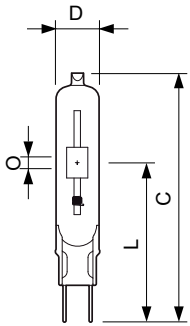
Versions



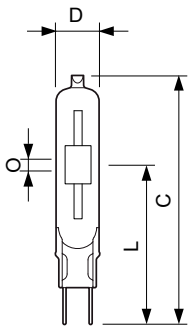
Dimensional drawing



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



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



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

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
Life To 5% Failures (Nom)	9000 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)
928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	43 kWh	A	3.1 mg
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	80 kWh	A+	4.6 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	80 V	88 V
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	-	87 V	78 V	83 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
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) (Nom)
928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	39.1 W
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	73.2 W

Order Code	Full Product Name	Power (Rated) (Nom)
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	73.2 W

General Information

Order Code	Full Product Name	Life To 10%	Life To 20%
		Failures (Nom)	Failures (Nom)
928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	10000 h	11000 h
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	8000 h	9000 h

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

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928085205125	MASTERColour CDM-TC 35W/830 G8.5 1CT/12	500 °C
928086505131	MASTERColour CDM-TC 70W/830 G8.5 1CT/12	550 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928094605131	MASTERColour CDM-TC 70W/842 G8.5 1CT/12	700 °C

MASTERCcolour CDM-TC

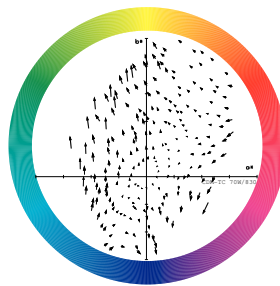
Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour		Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation			Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928085205125	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	0.432	0.394	830	Warm white (WW)		70W/830 G8.5 1CT/12				
928086505131	MASTERCcolour CDM-TC	0.439	0.398	830	Warm white (WW)	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			Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
				10000 h (Nom)	2000 h (Min)	2000 h (Nom)			
928085205125	MASTERCcolour CDM-TC 35W/830 G8.5 1CT/12	3000 K	81	50 %	70 %	80 %	50 %	65 %	79 lm/W 3100 lm
928086505131	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	3000 K	83	65 %	75 %	85 %	65 %	75 %	86 lm/W 6300 lm
928094605131	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	4200 K	89	65 %	70 %	80 %	65 %	75 %	79 lm/W 5800 lm

Colour Rendering Diagrams



210°

180°

150°

