



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

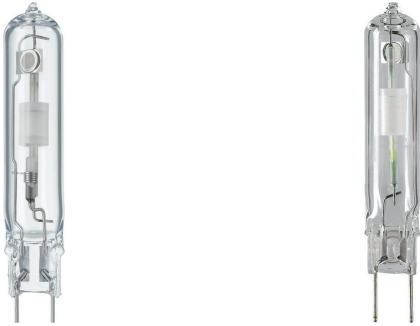
- Sparkling effect, ideal for accent lighting
- General and decorative lighting

Warnings and Safety

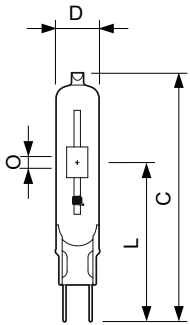
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may 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.

MASTERCLOUR CDM-TC

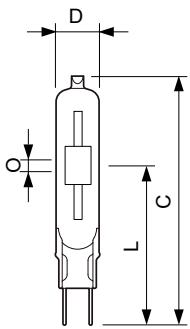
Versions



Dimensional drawing



Product	D (max)	D	O	L (min)	L (max)	L	C (max)
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

MASTERCcolour CDM-TC

Approval and Application

Energy Efficiency Label (EEL)	A
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Controls and Dimming

Dimmable	No
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Operating and Electrical

Voltage (Max)	93 V
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Re-ignition Time (Min) (Max)	15 min
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General Information

Cap-Base	G8.5
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Life To 10% Failures (Nom)	8000 h
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Life To 20% Failures (Nom)	9000 h
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Life To 50% Failures (Nom)	12000 h
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Operating Position	UNIVERSAL
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Light Technical

Colour Code	842
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Colour Designation	Cool White (CW)
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Correlated Colour Temperature (Nom)	4200 K
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Luminous Efficacy (rated) (Nom)	79 lm/W
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Mechanical and Housing

Bulb Finish	Clear
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Bulb Material	UV-Block Quartz
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Bulb Shape	T14
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/	Mercury (Hg)
		1000 h	Content (Nom)
48461600	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	43 kWh	2.7 mg
48465400	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	80 kWh	7 mg

Operating and Electrical

Order Code	Full Product Name	Voltage	Voltage	Power	Power
		(Min)	(Nom)	(Rated)	(Rated)
48461600	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	77 V	85 V	39.0 W	39.1 W

Order Code	Full Product Name	Voltage	Voltage	Power	Power
		(Min)	(Nom)	(Rated)	(Rated)
48465400	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	83 V	88 V	-	73.2 W

General Information

Order Code	Full Product Name	Life To 5% Failures (Nom)
48461600	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	6000 h

Order Code	Full Product Name	Life To 5% Failures (Nom)
48465400	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	9000 h

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
48461600	MASTERCcolour CDM-TC 35W/842 G8.5 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
48465400	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12	700 °C

Light Technical (1/2)

MASTERColour CDM-TC

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Lumen
		Coordinate X (Nom)	Coordinate Y (Nom)	Rendering Index (Nom)	Maintenance 10000 h (Nom)
48461600	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	0.374	0.369	85	70 %
48465400	MASTERColour CDM-TC	0.362	0.363	89	65 %

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Lumen
		Coordinate X (Nom)	Coordinate Y (Nom)	Rendering Index (Nom)	Maintenance 10000 h (Nom)
	70W/842 G8.5 1CT/12				

Light Technical (2/2)

Order Code	Full Product Name	Lumen	Lumen	Lumen	Lumen	Lumii	Full Product Name	Lumen	Lumen	Lumen	Lumen	Luminous
		Maintenance 2000 h (Min)	Maintenance 2000 h (Nom)	Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Flux (Rate Order (Nom Code))		Maintenance 2000 h (Min)	Maintenance 2000 h (Nom)	Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Flux (Rated) (Nom)
48461600	MASTERColour CDM-TC 35W/842 G8.5 1CT/12	75 %	85 %	70 %	80 %	3100 lm	70W/842 G8.5 1CT/12					
48465400	MASTERColour CDM-TC	70 %	80 %	65 %	75 %	5800 lm						

