

PHILIPS

Lighting



Beautiful sparkle, reliable life

MASTERColour CDM-TC

Range of single-ended, very compact, high-efficiency, discharge lamps with a stable color 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 color impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation (which enhances comfort for shoppers and staff)

Features

- Crisp white light
- Superior color quality
- Allows very small-size luminaires designs that give high beam intensities

Application

- Accent lighting display lighting with sparkling effect
- 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.

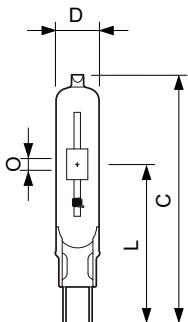
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Versions

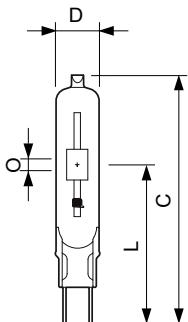


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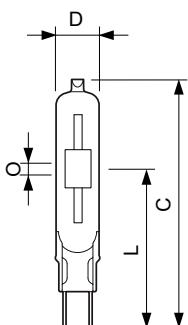
Dimensional drawing



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



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



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

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General Information	
Cap-Base	G8.5
Operating Position	UNIVERSAL
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	UV-Block Quartz
Bulb Shape	T14

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color			Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)	Correlated Color	Temperature (Nom)	rendering index (CRI)		
928085205125	MASTERC CDM-TC 35W/830 G8.5 1CT/12	0.434	0.398	Warm White (WW)	3000 K	81	79 lm/W	3,100 lm
928085205129	MASTERC CDM-TC 35W/830 G8.5 1CT/12	0.432	0.394	Warm White (WW)	3000 K	81	79 lm/W	-
928086505131	MASTERC CDM-TC 70W/830 G8.5 1CT/12	0.434	0.398	Warm White (WW)	3000 K	83	86 lm/W	6,300 lm
928093805125	MASTERC CDM-TC 35W/842 G8.5 1CT/12	0.371	0.366	Cool White (CW)	4200 K	85	79 lm/W	3,100 lm
928094605131	MASTERC CDM-TC 70W/842 G8.5 1CT/12	0.371	0.366	Cool White (CW)	4200 K	89	79 lm/W	5,800 lm
928086505129	MASTERC CDM-TC 70W/830 G8.5 1CT/12	0.439	0.398	Warm White (WW)	3000 K	83	86 lm/W	-

Operating and Electrical

Order Code	Full Product Name	Voltage	Power	Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption			(Nom)	Consumption
928085205125	MASTERC CDM-TC 35W/830 G8.5 1CT/12	88 V	39.1 W	928093805125	MASTERC CDM-TC 35W/842 G8.5 1CT/12	85 V	39.1 W
928085205129	MASTERC CDM-TC 35W/830 G8.5 1CT/12	88 V	39.1 W	928094605131	MASTERC CDM-TC 70W/842 G8.5 1CT/12	88 V	73.2 W
928086505131	MASTERC CDM-TC 70W/830 G8.5 1CT/12	83 V	73.2 W	928086505129	MASTERC CDM-TC 70W/830 G8.5 1CT/12	83 V	73.2 W

Approval and Application

Order Code	Full Product Name	Mercury		Mercury		Order Code	Full Product Name	Mercury		Mercury	
		Energy		(Hg)	(Hg)			Energy		(Hg)	(Hg)
		Consumption	Content	Content	Content			Consumption	Content	Content	Content
Order Code	Full Product Name	kWh/1000 h	(Max)	(Nom)		Order Code	Full Product Name	kWh/1000 h	(Max)	(Nom)	
928085205125	MASTERC CDM-TC 35W/830 G8.5 1CT/12	40 kWh	3.1 mg	3.1 mg		928086505131	MASTERC CDM-TC 70W/830 G8.5 1CT/12	74 kWh	4.6 mg	4.6 mg	
928085205129	MASTERC CDM-TC 35W/830 G8.5 1CT/12	43 kWh	-	3.1 mg		928093805125	MASTERC CDM-TC 35W/842 G8.5 1CT/12	40 kWh	2.7 mg	2.7 mg	

MASTERColour CDM-TC

Order Code	Full Product Name	Energy Consumption		Mercury Content	Mercury Content
		Energy	(Hg)	(Hg)	(Nom)
		kWh/1000 h	(Max)	Content	Content
928094605131	MASTERC CDM-TC 70W/842 G8.5 1CT/12	74 kWh	7 mg	7 mg	
928086505129	MASTERC CDM-TC 70W/830 G8.5 1CT/12	80 kWh	-	4.6 mg	

