



Beautiful sparkle, reliable life

MASTERColour CDM-T

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

Benefits

- Stable color impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation
- Long lamp life compared with incandescent and halogen lamps
- Relatively low heat output enhances comfort for shoppers and staff
- All types are UV-Block for reduced fading risks

Features

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

Application

- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas

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)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control 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-T

Versions



CDM-T 70W, /830, /942 G12

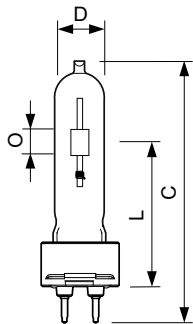


CDM-T 35W /830, /842 G12



CDM-T, 150W, G12

Dimensional drawing



Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 150W/942 G12 1CT	20 mm	0.75 in	8 mm	55 mm	57 mm	56	110 mm
MASTERColour CDM-T 35W/830 G12 1CT/12	20 mm	0.75 in	5 mm	55 mm	57 mm	56	103 mm
MASTERColour CDM-T 70W/942 G12 1CT/12	20 mm	0.75 in	6 mm	55 mm	57 mm	56	103 mm
MASTERColour CDM-T 70W/830 G12 1CT/12	20 mm	0.75 in	7 mm	55 mm	57 mm	56	103 mm

Controls and Dimming

Dimmable No

Operating and Electrical

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

General Information

Cap-Base G12
 Life To 10% Failures (Nom) 10000 h
 Life To 20% Failures (Nom) 11000 h
 Life To 50% Failures (Nom) 12000 h
 Life To 5% Failures (Nom) 9000 h
 Operating Position UNIVERSAL

Mechanical and Housing

Bulb Finish Clear
 Bulb Shape T6

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	74 kWh	4.6 mg	4.6 mg
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	74 kWh	6.1 mg	6.1 mg
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	40 kWh	3.2 mg	3.1 mg
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	151 kWh	10.4 mg	10.4 mg

Operating and Electrical (1/2)

MASTERColour CDM-T

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	0.98 A	96 V	80 V	88 V
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	0.98 A	96 V	80 V	88 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	0.53 A	90 V	76 V	82 V
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	1.9 A	98 V	82 V	90 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	73.2 W
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	73.2 W

Order Code	Full Product Name	Power (Rated) (Nom)
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	39.1 W
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	150.1 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	500 °C
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	500 °C
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	650 °C

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	0.434	0.398	830	Warm White (WW)
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	0.371	0.366	942	Cool White (CW)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	0.434	0.398	830	Warm White (WW)
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	0.371	0.366	942	Cool White (CW)

Light Technical (2/3)

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color 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 (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	3000 K	84	70 %	75 %	85 %	70 %	80 %	85 lm/W	6200 lm
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	4200 K	92	65 %	75 %	85 %	65 %	75 %	85 lm/W	6200 lm
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	3000 K	83	50 %	70 %	80 %	60 %	70 %	79 lm/W	3100 lm
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	4200 K	96	70 %	75 %	85 %	70 %	80 %	82 lm/W	12100 lm

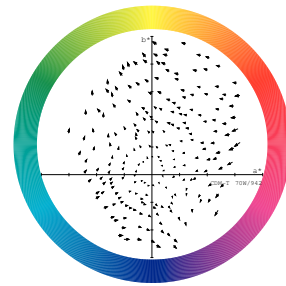
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Light Technical (3/3)

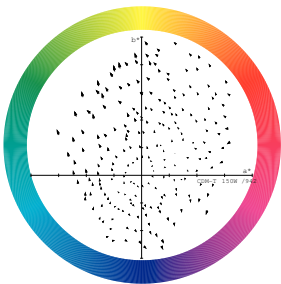
Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928082305125	MASTERColour CDM-T 70W/830 G12 1CT/12	5600 lm	6200 lm
928084505131	MASTERColour CDM-T 70W/942 G12 1CT/12	-	6200 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928083105125	MASTERColour CDM-T 35W/830 G12 1CT/12	-	3100 lm
928084605131	MASTERColour CDM-T 150W/942 G12 1CT	10900 lm	12100 lm

Colour Rendering Diagrams



LDCR_CDM-T_70W_942-Colour rendering diagram



LDCR_CDM-T_150W_942-Colour rendering diagram

