



Product Description

MASTERColour CDM-T

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

Benefits

- Stable colour 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

- Warm or cool white colour impression
- Colour rendering good to excellent
- 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

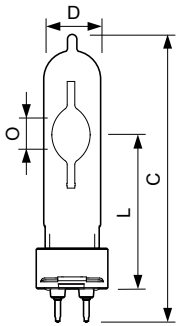
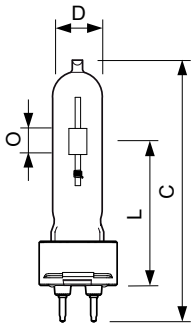
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear,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

MASTERColour CDM-T

Versions



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 mm	110 mm

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T 250W/942 G12 1CT/12	25 mm	12.3 mm	71.5 mm	73.5 mm	72.5 mm	135 mm

MASTERCcolour CDM-T

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	G12
Life To 10% Failures (Nom)	10000 h
Operating Position	UNIVERSAL

Light Technical

Chromaticity Coordinate X (Nom)	0.371
Chromaticity Coordinate Y (Nom)	0.366
Colour Code	942
Colour Designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4200 K

Mechanical and Housing

Bulb Finish	Clear
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	151 kWh	10.4 mg	10.4 mg
928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	250 kWh	20 mg	20.0 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp Current			
		(EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	1.9 A	98 V	82 V	90 V

Order Code	Full Product Name	Lamp Current			
		(EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	3.04 A	104 V	84 V	93 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	150.1 W

Order Code	Full Product Name	Power (Rated) (Nom)
928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	250.0 W

General Information

Order Code	Full Product Name	Life To 20%	Life To 50%	Life To 5%
		Failures (Nom)	Failures (Nom)	Failures (Nom)
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	11000 h	12000 h	9000 h

Order Code	Full Product Name	Life To 20%	Life To 50%	Life To 5%
		Failures (Nom)	Failures (Nom)	Failures (Nom)
928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	12000 h	15000 h	3500 h

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	650 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	700 °C

Light Technical (1/2)

MASTERCcolour CDM-T

Order Code	Full Product Name	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	96	70 %	75 %	85 %
928094205131	MASTERCcolour CDM-T	91	86 %	-	98 %

Order Code	Full Product Name	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)
	250W/942 G12 1CT/12				

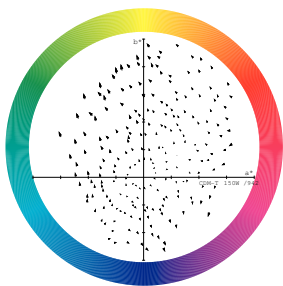
Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/Photopic Lumens
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	70 %	80 %	82 lm/W	12100 lm	10900 lm	12100 lm	-
928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	-	94 %	105 lm/W	26250 lm	23400 lm	26250 lm	1.75

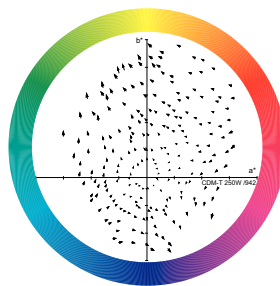
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
928084605131	MASTERCcolour CDM-T 150W/942 G12 1CT	T19	928094205131	MASTERCcolour CDM-T 250W/942 G12 1CT/12	T24

Colour Rendering Diagrams



LDCR_CDM-T_150W_942-Colour rendering diagram



LDCR_CDM-T_250W_942-Colour rendering diagram

