



# Product Description

## MASTERColour CDM-TP

Range of protected, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light to be used in open luminaires

### Benefits

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

### Features

- Warm or cool white colour impression
- Colour rendering good to excellent
- Lamp design is well-suited to be used in luminaires for power-spots (high intensity) and high-bay general lighting
- Double UV-Block quartz sleeves and a hard-glass outer bulb

### Application

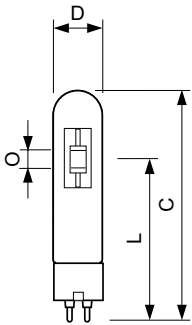
- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas

# MASTERColour CDM-TP

## Versions



## Dimensional drawing



Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	32.00	9 mm	89 mm	93 mm	91 mm	149 mm
MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	32.00	8 mm	89 mm	93 mm	91 mm	149 mm
MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	32.00	7 mm	89 mm	93 mm	91 mm	149 mm
MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	32.00	6 mm	89 mm	93 mm	91 mm	149 mm

### 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

Life To 20% Failures (Nom)	13000 h
Life To 50% Failures (Nom)	16000 h
Life To 5% Failures (Nom)	9000 h
Operating Position	UNIVERSAL

### Mechanical and Housing

Bulb Finish	Clear (CL)
Bulb Shape	T31

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	81 kWh	A	7.1 mg
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	80 kWh	A	5.2 mg
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	163 kWh	A	12.2 mg
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	164 kWh	A+	15 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	0.98 A	98 V	82 V	90 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	0.98 A	98 V	82 V	90 V

## MASTERColour CDM-TP

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	1.8 A	104 V	88 V	96 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	1.8 A	106 V	90 V	98 V

### Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	74.0 W
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	73.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	148.0 W
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	149.0 W

### General Information

Order Code	Full Product Name	Cap-Base
20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	PG12-2
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	PG12-2

Order Code	Full Product Name	Cap-Base
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	PGX12-2
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	PGX12-2

### Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	400 °C
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	400 °C
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	480 °C

Order Code	Full Product Name	Bulb Temperature (Max)
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	480 °C

### Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	374	378	842	Cool White (CW)
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	428	401	830	Warm white (WW)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	376	374	942	Cool White (CW)
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	444	407	830	Warm white (WW)

### Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
		20113315	MASTERColour CDM-TP 70W/842 PG12-2 1CT/12	4200 K	89	70 %	85 %	75 %
20127015	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	3000 K	80	65 %	80 %	70 %	82 lm/W	6000 lm

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Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
20111915	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	4200 K	95	70 %	85 %	75 %	81 lm/W	12000 lm
20125615	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	3000 K	86	65 %	72 %	70 %	86 lm/W	12800 lm

