



# Beautiful sparkle, reliable life

## MASTERColour CDM-TP

Range of protected, high-efficiency, discharge lamps with a stable color 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 color 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

- Crisp white light
- Superior color quality
- 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

### Warnings and Safety

- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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-TP

## Versions



CDM-TP, PG12-2

## Dimensional drawing

D

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

# MASTERCcolour CDM-TP

## Approval and Application

Energy Efficiency Label (EEL)	A
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## 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

## Light Technical

Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4200 K
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Nom)	75 %

## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T10

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928085909230	MASTERCcolour CDM-TP 70W/842 PG12-2 1CT/12	81 kWh	7.1 mg
928086209230	MASTERCcolour CDM-TP 150W/942 PGX12-2 1CT/12	165 kWh	12.2 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928085909230	MASTERCcolour 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)
928086209230	MASTERCcolour CDM-TP 150W/942 PGX12-2 1CT/12	1.8 A	104 V	88 V	96 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928085909230	MASTERCcolour CDM-TP 70W/842 PG12-2 1CT/12	73.2 W
928086209230	MASTERCcolour CDM-TP 150W/942 PGX12-2 1CT/12	150.1 W

## General Information

Order Code	Full Product Name	Cap-Base
928085909230	MASTERCcolour CDM-TP 70W/842 PG12-2 1CT/12	PG12-2

Order Code	Full Product Name	Cap-Base
928086209230	MASTERCcolour CDM-TP 150W/942 PGX12-2 1CT/12	PGX12-2

## Luminaire Design Requirements

# MASTERCcolour CDM-TP

Order Code	Full Product Name	Bulb Temperature (Max)
928085909230	MASTERCcolour CDM-TP 70W/842 PG12-2 1CT/12	400 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928086209230	MASTERCcolour CDM-TP 150W/942 PGX12-2 1CT/12	480 °C

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Index (Nom)
928085909230	MASTERCcolour CDM-TP 70W/842 PG12-2 1CT/12	374	378	842	89
928086209230	MASTERCcolour CDM-TP	376	374	942	95

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Index (Nom)
	150W/942 PGX12-2 1CT/12				

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928085909230	MASTERCcolour CDM-TP 70W/842 PG12-2 1CT/12	77 lm/W	5600 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928086209230	MASTERCcolour CDM-TP 150W/942 PGX12-2 1CT/12	83 lm/W	12500 lm

