



# **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 luminairs

#### Benefits

- · High lamp efficacy results in low operating costs and low heat generation
- $\cdot \, \text{Stable colour impression over lifetime} \\$
- · 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

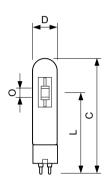
## **MASTERColour CDM-TP**

## Versions





## Dimensional drawing



Product	D (max)	0	L (min)	L (max)	L	C (max)
MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	32.00 mm	8 mm	89 mm	93 mm	91 mm	149 mm
MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	32.00 mm	7 mm	89 mm	93 mm	91 mm	149 mm
MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	32.00 mm	9 mm	89 mm	93 mm	91 mm	149 mm

Controls and Dimming	
Dimmable	no
Operating and Electrical	
Re-Ignition Time (Min) (Max)	15 min
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**

			Energy	
		<b>Energy Consumption</b>	Efficiency	Mercury (Hg)
Order Code	Full Product Name	kWh/1000 h	Label (EEL)	Content (Nom)
928086209230	MASTERColour CDM-TP 150W/942	163 kWh	Α	12.2 mg
	PGX12-2 1CT/12			
928087009230	MASTERColour CDM-TP 150W/830	164 kWh	A+	15 mg
	PGX12-2 1CT/12			
928086909230	MASTERColour CDM-TP 70W/830	80 kWh	Α	5.2 mg
	PG12-2 1CT/12			

## Operating and Electrical (1/2)

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

## **MASTERColour CDM-TP**

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928087009230	MASTERColour CDM- TP 150W/830 PGX12-2 1CT/12	1.8 A	106 V	90 V	98 V
928086909230	MASTERColour CDM- TP 70W/830 PG12-2 1CT/12	0.98 A	98 V	82 V	90 V

## Operating and Electrical (2/2)

		Power (Rated)
Order Code	Full Product Name	(Nom)
928086209230	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	148.0 W
928087009230	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	149.0 W

Order Code Full Product Name (Nom)	ted)	Power (Rated)		
02000000000000 MACTERS   CDM TR 7000/020 RC42 2467/42 72.00/		(Nom)	Full Product Name	Order Code
928086909230 MASTERColour CDM-TP /0W/830 PGI2-2 ICT/12 /3.0 W		73.0 W	230 MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	928086909230

#### **General Information**

Order Code	Full Product Name	Cap-Base
928086209230	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	PGX12-2
928087009230	MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12	PGX12-2

Order Code	Full Product Name	Cap-Base
928086909230	MASTERColour CDM-TP 70W/830 PG12-2 1CT/12	PG12-2

#### **Luminaire Design Requirements**

		Bulb Temperature
Order Code	Full Product Name	(Max)
928086209230	MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12	480 °C
928087009230	MASTERColour CDM-TP 150W/830 PGX12-2	480 °C
	1CT/12	

		Bulb Temperature
Order Code	Full Product Name	(Max)
928086909230	MASTERColour CDM-TP 70W/830 PG12-2	400 °C
	1CT/12	

## Light Technical (1/2)

		Chromaticity	Chromaticity		
	Full Product	Coordinate X	Coordinate Y	Colour	Colour
Order Code	Name	(Nom)	(Nom)	Code	Designation
928086209230	MASTERColour	376	374	942	Cool White
	CDM-TP				(CW)
	150W/942				
	PGX12-2 1CT/12				
928087009230	MASTERColour	444	407	830	Warm white
	CDM-TP				(WW)

		Chromaticity	Chromaticity		
	Full Product	Coordinate X	Coordinate Y	Colour	Colour
Order Code	Name	(Nom)	(Nom)	Code	Designation
	150W/830				
	PGX12-2 1CT/12				
928086909230	MASTERColour	428	401	830	Warm white
	CDM-TP				(WW)
	70W/830 PG12-2				
	1CT/12				

## Light Technical (2/2)

## **MASTERColour CDM-TP**

		Correlated Colour	Colour	Lumen	Lumen	Lumen	Luminous	
		Temperature	Rendering	Maintenance	Maintenance	Maintenance	Efficacy (rated)	Luminous Flux
Order Code	Full Product Name	(Nom)	Index (Nom)	10000 h (Nom)	2000 h (Nom)	5000 h (Nom)	(Nom)	(Rated) (Nom)
928086209230	MASTERColour CDM-TP	4200 K	95	70 %	85 %	75 %	81 lm/W	12000 lm
	150W/942 PGX12-2 1CT/12							
928087009230	MASTERColour CDM-TP	3000 K	86	65 %	72 %	70 %	86 lm/W	12800 lm
	150W/830 PGX12-2 1CT/12							
928086909230	MASTERColour CDM-TP	3000 K	80	65 %	80 %	70 %	82 lm/W	6000 lm
	70W/830 PG12-2 1CT/12							



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