



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

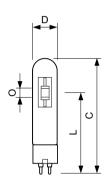
- · Shops and shop windows, offices and public buildings
- · Decorative outdoor: floodlighting and pedestrian areas

Versions





Dimensional drawing



Product	D (max)	0	L (min)	L (max)	L	C (max)
MASTERColour CDM-TP	32.00	9 mm	89 mm	93 mm	91 mm	149 mm
150W/830 PGX12-2 1CT/12	mm					
MASTERColour CDM-TP	32.00	8 mm	89 mm	93 mm	91 mm	149 mm
150W/942 PGX12-2 1CT/12	mm					
MASTERColour CDM-TP	32.00	7 mm	89 mm	93 mm	91 mm	149 mm
70W/830 PG12-2 1CT/12	mm					
MASTERColour CDM-TP	32.00	6 mm	89 mm	93 mm	91 mm	149 mm
70W/842 PG12-2 1CT/12	mm					
70W/842 PG12-2 1CT/12	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	
		Energy Consumption	Efficiency	Mercury (Hg)
Order Code	Full Product Name	kWh/1000 h	Label (EEL)	Content (Nom)
20113315	MASTERColour CDM-TP 70W/842	81 kWh	А	7.1 mg
	PG12-2 1CT/12			
20127015	MASTERColour CDM-TP 70W/830	80 kWh	А	5.2 mg
	PG12-2 1CT/12			
20111915	MASTERColour CDM-TP 150W/942	163 kWh	А	12.2 mg
	PGX12-2 1CT/12			
20125615	MASTERColour CDM-TP 150W/830	164 kWh	A+	15 mg
	PGX12-2 1CT/12			

Operating and Electrical (1/2)

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

		Lamp			
		Current			
Order		(EM)	Voltage	Voltage	Voltage
Code	Full Product Name	(Nom)	(Max)	(Min)	(Nom)
20127015	MASTERColour CDM-TP	0.98 A	98 V	82 V	90 V

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

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

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

		Bulb Temperature
Order Code	Full Product Name	(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	480 °C
	1CT/12	

Order Code Full Pro	oduct Name	(Max)
20125615 MASTE	RColour CDM-TP 150W/830 PGX12-2	480 °C
1CT/12		

Light Technical (1/2)

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

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

Light Technical (2/2)

		Correlated Colour	Colour	Lumen	Lumen	Lumen	Luminous	
		Temperature	Rendering	Maintenance	Maintenance 2000	Maintenance 5000	Efficacy (rated)	Luminous Flux
Order Code	Full Product Name	(Nom)	Index (Nom)	10000 h (Nom)	h (Nom)	h (Nom)	(Nom)	(Rated) (Nom)
20113315	MASTERColour CDM-TP	4200 K	89	70 %	85 %	75 %	76 lm/W	5600 lm
	70W/842 PG12-2 1CT/12							
20127015	MASTERColour CDM-TP	3000 K	80	65 %	80 %	70 %	82 lm/W	6000 lm
	70W/830 PG12-2 1CT/12							

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



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