



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

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



Dimensional drawing

D

| Product | D (max) | O | 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/842 PG12-2 1CT/12 | 32.00 mm | 6 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 |
| Bulb Shape | T31 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Energy | |
|--------------|------------------------------------------------|----------------------------------|---------------------------|-------------------------------|
| | | | Efficiency Label (EEL) | Mercury (Hg) Content (Nom) |
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | 81 kWh | A | 7.1 mg |
| 928086209230 | MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12 | 165 kWh | A | 12.2 mg |
| 928087009230 | MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12 | 165 kWh | A+ | 15 mg |

Operating and Electrical (1/2)

| Order Code | Full Product Name | Lamp | | | |
|--------------|----------------------------------------------|--------------------------|------------------|------------------|------------------|
| | | Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | 0.98 A | 98 V | 82 V | 90 V |

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| Order Code | Full Product Name | Lamp Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
|--------------|---------------------------------------------|----------------------------------|------------------|------------------|------------------|
| | | | | | |
| 928086209230 | MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12 | 1.8 A | 104 V | 88 V | 96 V |
| 928087009230 | 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) |
|--------------|---------------------------------------------|------------------------|
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | 73.2 W |
| 928086209230 | MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12 | 150.1 W |

| Order Code | Full Product Name | Power (Rated) (Nom) |
|--------------|---------------------------------------------|------------------------|
| 928087009230 | MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12 | 150.1 W |

General Information

| Order Code | Full Product Name | Cap-Base |
|--------------|---------------------------------------------|----------|
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | PG12-2 |
| 928086209230 | MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12 | PGX12-2 |

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

Luminaire Design Requirements

| Order Code | Full Product Name | Bulb Temperature (Max) |
|--------------|---------------------------------------------|---------------------------|
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | 400 °C |
| 928086209230 | MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12 | 480 °C |

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

Light Technical (1/2)

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Colour Code | Colour Designation |
|--------------|-------------------------------------------|---------------------------------------|---------------------------------------|----------------|-----------------------|
| | | | | | |
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | 374 | 378 | 842 | Cool White (CW) |
| 928086209230 | MASTERColour CDM-TP | 376 | 374 | 942 | Cool White (CW) |

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

Light Technical (2/2)

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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) |
|--------------|------------------------------------------------|-------------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------|
| 928085909230 | MASTERColour CDM-TP 70W/842 PG12-2 1CT/12 | 4200 K | 89 | 70 % | 85 % | 75 % | 77 lm/W | 5600 lm |
| 928086209230 | MASTERColour CDM-TP 150W/942 PGX12-2 1CT/12 | 4200 K | 95 | 70 % | 85 % | 75 % | 83 lm/W | 12500 lm |
| 928087009230 | MASTERColour CDM-TP 150W/830 PGX12-2 1CT/12 | 3000 K | 86 | 65 % | 72 % | 70 % | 88 lm/W | 13200 lm |

