



We're thinking small, so you can think big

MasterColor CDM-TM

Introducing the smallest 20W ceramic metal halide lamp together with the unique e-Vision® electronic ballast. It's visually pleasing and financially rewarding, so the focus can be on your merchandise and not the ceiling clutter.

Benefits

- Miniaturization means smaller fixtures, less ceiling clutter and more focus on the merchandise.
- Positioning accuracy within the reflector for optimal reflector performance.
- Lamp, electronic ballast and twist & lock lamp base are developed as a system, and designed for easy installation and relamping.

Features

- Energy efficient system operation reduces operating costs.
- Excellent color quality of up to 90 CRI, 3000K.
- Lamp is up to 40% smaller than industry standard.
- Lamp, electronic ballast and twist & lock lamp base are developed as a system.
- Available in 20 and 35 Watt.

Application

- Ideal for accent and display lighting, in specialty retail and architectural outdoor applications.

MasterColor CDM-TM

Versions

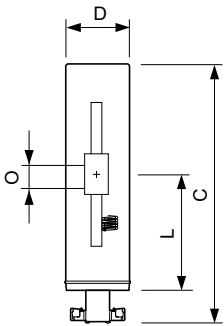


MASTERColour CDM-Tm 20W /830 PGJ5



MASTERColour CDM-Tm 35W /930 PGJ5

Dimensional drawing



| Product | D (max) | D | O | L (min) | L (max) | L | C (max) |
|----------------------|---------|---------|------|---------|---------|---------|---------|
| CDM20/TM/830 12PK | 13.3 mm | 0.44 in | 3 mm | 22.3 mm | 22.9 mm | 22.6 mm | 52 mm |
| CDM 35/TM/930 | 13.3 mm | 0.44 in | 4 mm | 22.3 mm | 22.9 mm | 22.6 mm | 52 mm |

MasterColor CDM-TM

Approval and Application

| | |
|-------------------------------|---|
| Energy Efficiency Label (EEL) | A |
|-------------------------------|---|

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Operating and Electrical

| | |
|------------------------------|--------|
| Re-Ignition Time (Min) (Max) | 15 min |
|------------------------------|--------|

General Information

| | |
|----------------------------|-----------|
| Cap-Base | PGJ5 |
| Life To 10% Failures (Nom) | 10000 h |
| Life To 20% Failures (Nom) | 11000 h |
| Life To 50% Failures (Nom) | 12000 h |
| Life To 5% Failures (Nom) | 9000 h |
| Operating Position | Universal |

Light Technical

| | |
|------------------------------------|-----------------|
| Color Designation | Warm White (WW) |
| Correlated Color Temperature (Nom) | 3000 K |
| Lumen Maintenance 10000 h (Nom) | 60 % |

Mechanical and Housing

| | |
|-------------|------------|
| Bulb Finish | Clear (CL) |
| Bulb Shape | T13.3 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|------------|-------------------|-------------------------------|----------------------------|
| 140400 | CDM20/TM/830 12PK | 24 kWh | 2.4 mg |
| 211391 | CDM 35/TM/930 | 43 kWh | 2.74 mg |

Operating and Electrical

| Order Code | Full Product Name | Voltage (Max) | Voltage (Min) | Voltage (Nom) | Power (Rated) (Nom) |
|------------|-------------------|---------------|---------------|---------------|---------------------|
| 140400 | CDM20/TM/830 12PK | 108 V | 95 V | 100 V | 22.0 W |

| Order Code | Full Product Name | Voltage (Max) | Voltage (Min) | Voltage (Nom) | Power (Rated) (Nom) |
|------------|-------------------|---------------|---------------|---------------|---------------------|
| 211391 | CDM 35/TM/930 | 104 V | 88 V | 96 V | 39.0 W |

Luminaire Design Requirements

| Order Code | Full Product Name | Bulb Temperature (Max) |
|------------|-------------------|------------------------|
| 140400 | CDM20/TM/830 12PK | 380 °C |

| Order Code | Full Product Name | Bulb Temperature (Max) |
|------------|-------------------|------------------------|
| 211391 | CDM 35/TM/930 | 480 °C |

Light Technical (1/2)

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Color Code | Color Rendering Index (Min) |
|------------|-------------------|---------------------------------|---------------------------------|------------|-----------------------------|
| 140400 | CDM20/TM/830 12PK | 0.433 | 0.392 | 830 | 84 |

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Color Code | Color Rendering Index (Min) |
|------------|-------------------|---------------------------------|---------------------------------|------------|-----------------------------|
| 211391 | CDM 35/TM/930 | 0.436 | 0.396 | 930 | 88 |

Light Technical (2/2)

| Order Code | Full Product Name | Color Rendering Index (Nom) | Lumen Maintenance 1000 h (Nom) | Lumen Maintenance 2000 h (Nom) | Lumen Maintenance 5000 h (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Nom) |
|------------|-------------------|-----------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------|
| 140400 | CDM20/TM/830 12PK | 87 | 80 % | 75 % | 65 % | 75 lm/W | 1650 lm |

MasterColor CDM-TM

| Order Code | Full Product Name | Color Rendering Index (Nom) | Lumen Maintenance 1000 h (Nom) | Lumen Maintenance 2000 h (Nom) | Lumen Maintenance 5000 h (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Nom) |
|------------|-------------------|-----------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------|
| 211391 | CDM 35/TM/930 | 91 | 85 % | 80 % | 70 % | 77 lm/W | 3000 lm |

