



# 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

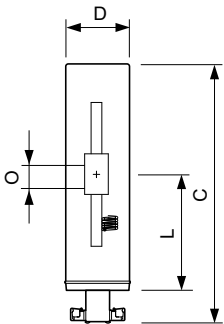


MASTERColour CDM-Tm 20W /830 PGJ5



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
MASTERColour CDM- Tm Mini 20W/830 PGJ5 1CT/12	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
Bulb Shape	T13.3

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/	
		1000 h	Mercury (Hg) Content (Nom)
928087905115	CDM20/TM/830 12PK	24 kWh	2.4 mg
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	24 kWh	2.4 mg
928093905115	CDM 35/TM/930	43 kWh	2.74 mg

## Operating and Electrical

Order Code	Full Product Name	Voltage				Power
		(Max)	(Min)	(Nom)	(Rated)	
928087905115	CDM20/TM/830 12PK	108 V	95 V	100 V	22.0 W	
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	108 V	95 V	100 V	22.0 W	

Order Code	Full Product Name	Voltage			Power
		(Max)	(Min)	(Nom)	(Rated)
928093905115	CDM 35/TM/930	104 V	88 V	96 V	39.0 W

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928087905115	CDM20/TM/830 12PK	380 °C
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	380 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928093905115	CDM 35/TM/930	480 °C

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Rendering Index (Min)
928087905115	CDM20/TM/830 12PK	0.433	0.392	830	84
928087905130	MASTERColour CDM-Tm Mini	0.433	0.392	830	84

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Rendering Index (Min)
	20W/830 PGJ5 1CT/12				
928093905115	CDM 35/TM/930	0.436	0.396	930	88

# MasterColor CDM-TM

## 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)
928087905115	CDM20/TM/830 12PK	87	80 %	75 %	65 %	75 lm/W	1650 lm
928087905130	MASTERColour CDM-Tm Mini 20W/830 PGJ5 1CT/12	87	80 %	75 %	65 %	75 lm/W	1650 lm
928093905115	CDM 35/TM/930	91	85 %	80 %	70 %	77 lm/W	3000 lm

