



# Superior Color Performance in Metal Halide Technology

## MasterColor CDM-TD

The MasterColor CDM metal halide lamps deliver consistent white light and higher color rendering than any standard metal halide source for architectural lighting. Tubular double-ended TD style for enclosed luminaires are ideal for accent lighting in indoor applications.

### Benefits

- Energy-efficient alternative to incandescent/halogen.
- Improved lumen maintenance over standard metal halide.

### Features

- Lifetime color stability within +/- 200k.
- Exceptional color rendering.
- Features FadeBlock™—an integrated UV blocking medium for reduced fading of fabrics and paintings.
- Available in 70W TD6 and 150W TD7.

### Application

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

### Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

# MasterColor CDM-TD

## Versions



## Dimensional drawing



Product	D (max)	D O	C (max)
MASTERColour CDM-TD 150W/830 RX7s 1CT	22 mm	10 mm	137.43 mm
MASTERColour CDM-TD 150W/942 RX7s 1CT	22 mm	10 mm	137.43 mm

# MasterColor CDM-TD

Approval and Application	
Energy Efficiency Label (EEL)	A+
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Lamp Current (EM) (Nom)	1.8 A
Re-ignition Time (Min) (Max)	15 min
General Information	
Cap-Base	RX7S
Life To 10% Failures (Nom)	13000 h
Life To 20% Failures (Nom)	15000 h
Life To 50% Failures (Nom)	16000 h
Life To 5% Failures (Nom)	9000 h
Operating Position	P45
Luminaire Design Requirements	
Bulb Temperature (Max)	650 °C
Light Technical	
Lumen Maintenance 2000 h (Min)	80 %
Lumen Maintenance 2000 h (Nom)	90 %
Lumen Maintenance 5000 h (Min)	75 %
Lumen Maintenance 5000 h (Nom)	85 %
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T22

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
19784915	MASTERColour CDM-TD 150W/830 RX7s 1CT	160 kWh	10.23 mg
20025915	MASTERColour CDM-TD 150W/942 RX7s 1CT	165 kWh	8.29 mg

## Operating and Electrical

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
19784915	MASTERColour CDM-TD 150W/830 RX7s 1CT	106 V	90 V	98 V	147.0 W

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
20025915	MASTERColour CDM-TD 150W/942 RX7s 1CT	110 V	96 V	103 V	152.0 W

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Code	Colour Designation
19784915	MASTERColour CDM-TD 150W/830 RX7s 1CT	0.437	0.399	830	Warm White (WW)

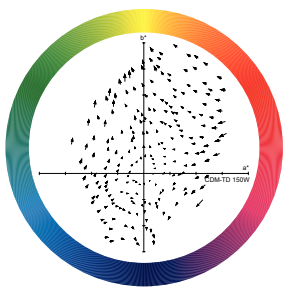
Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Code	Colour Designation
20025915	MASTERColour CDM-TD 150W/942 RX7s 1CT	0.380	0.375	942	Cool White (CW)

## Light Technical (2/2)

# MasterColor CDM-TD

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen (Nom)	Luminous Maintenance (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
19784915	MASTERColour CDM-TD 150W/830 RX7s ICT	3000 K	88	75 %	87 lm/W	12750 lm	150W/942 RX7s 1CT
20025915	MASTERColour CDM-TD	4200 K	96	70 %	90 lm/W	13650 lm	

## Colour Rendering Diagrams



LDCR\_CDM-TD\_150W-Colour rendering diagram

