



MasterColor CDM-TD

CDM70/TD/830 12PK

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.

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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

Product data

General Information			
Base	RX7S [RX7s]	Lumen Maintenance 2000 h (Nom)	85 %
Operating Position	Horizontal +/- 45 D [Horizontal +/- 45 D]	Lumen Maintenance 5000 h (Min)	70 %
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 5000 h (Nom)	80 %
Life To 10% Failures (Nom)	13000 h	Chromaticity Coordinate X (Nom)	0.443
Life to 20% Failures (Nom)	15000 h	Chromaticity Coordinate Y (Nom)	0.401
Life to 50% Failures (Nom)	16000 h	Correlated Color Temperature (Nom)	3000 K
ANSI Code HID	C139/E	Luminous Efficacy (rated) (Nom)	85 lm/W
Light Technical		Color Rendering Index (Min)	77
Color Code	830 [CCT of 3000K]	Color Rendering Index (Nom)	80
Luminous Flux (Rated) (Nom)	6000 lm	Operating and Electrical	
Color Designation	Warm White (WW)	Power (Rated) (Nom)	71.0 W
Lumen Maintenance 10000 h (Nom)	70 %	Lamp Current Run-Up (Max)	1.4 A
Lumen Maintenance 2000 h (Min)	80 %	Lamp Current (EM) (Nom)	0.95 A
		Ignition Supply Voltage (Max)	198 V

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Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	102 V
Voltage (Min)	86 V
Voltage (Nom)	94 V

Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

Mechanical and Housing

Bulb Finish	Clear
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Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	3.4 mg
Energy Consumption kWh/1000 h	78 kWh

UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
Pinch Temperature (Max)	280 °C

Product Data

Order product name	MasterColor CDM-TD 70W/830 RX7s T6 CL
EAN/UPC - Product	046677231606
Order code	231605
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928082205115
Net Weight (Piece)	21.000 g
ILCOS Code	MD/UB-70/830-H-RX7s-22/117.6

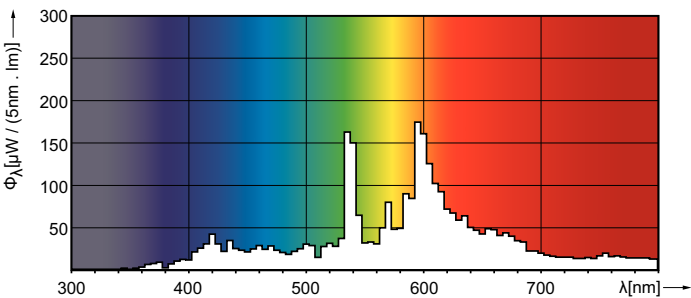
Dimensional drawing



Product	D (max)	D O	C (max)
MasterColor CDM-TD 70W/830 RX7s T6 CL	22 mm	8 mm	119.63 mm

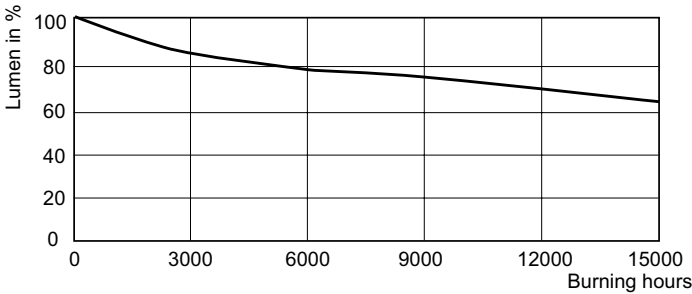
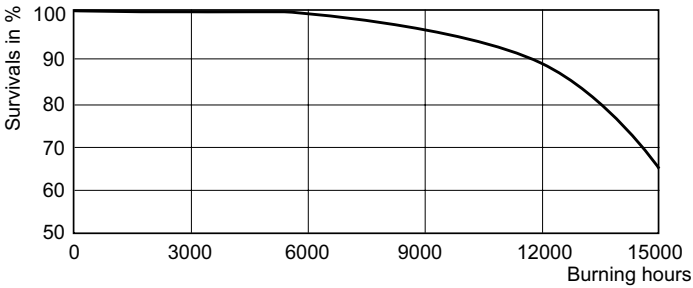
CDM-TD 70W/830 RX7s

Photometric data



LDPO_CDM-TD_830-Spectral power distribution Colour

Lifetime



LDLM_CDM-TD_0001-Lumen maintenance diagram

