

Lighting

PHILIPS

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	0	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

Operating and Electrical

					Power						Power
		Voltage	Voltage	Voltage	(Rated)			Voltage	Voltage	Voltage	(Rated)
Order Code	Full Product Name	(Max)	(Min)	(Nom)	(Nom)	Order Code	Full Product Name	(Max)	(Min)	(Nom)	(Nom)
19784915	MASTERColour CDM-	106 V	90 V	98 V	147.0 W	20025915	MASTERColour CDM-	110 V	96 V	103 V	152.0 W
	TD 150W/830 RX7s 1CT						TD 150W/942 RX7s 1CT				

Light Technical (1/2)

		Chromaticity	Chromaticity					Chromaticity	Chromaticity		
Order		Coordinate X	Coordinate Y	Colour	Colour	Order		Coordinate X	Coordinate Y	Colour	Colour
Code	Full Product Name	(Nom)	(Nom)	Code	Designation	Code	Full Product Name	(Nom)	(Nom)	Code	Designation
19784915	MASTERColour	0.437	0.399	830	Warm White	20025915	MASTERColour	0.380	0.375	942	Cool White
	CDM-TD				(WW)		CDM-TD				(CW)
	150W/830 RX7s						150W/942 RX7s				
	1CT						1CT				

Light Technical (2/2)

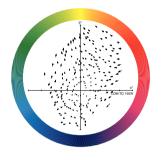
Approval and Application

		Energy Consumption kWh/	Mercury (Hg) Conten		
Order Code	Full Product Name	1000 h	(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		

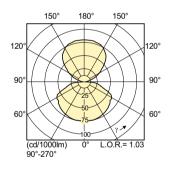
MasterColor CDM-TD

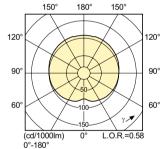
		Correlated	Colour	Lumen	Luminous	Luminous			Correlated	Colour	Lumen	Luminous	Luminous
		Colour	Rendering	Maintenance	Efficacy	Flux			Colour	Rendering	Maintenance	Efficacy	Flux
Order	Full Product	Temperature	Index	10000 h	(rated)	(Rated)	Order	Full Product	Temperature	Index	10000 h	(rated)	(Rated)
Code	Name	(Nom)	(Nom)	(Nom)	(Nom)	(Nom)	Code	Name	(Nom)	(Nom)	(Nom)	(Nom)	(Nom)
19784915	MASTERColour	3000 K	88	75 %	87 lm/W	12750 lm		150W/942					
	CDM-TD							RX7s 1CT					
	150W/830												
	RX7s 1CT												
20025915	MASTERColour	4200 K	96	70 %	90 lm/W	13650 lm							
	CDM-TD												

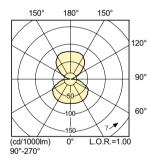
Colour Rendering Diagrams

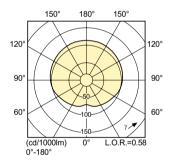


LDCR_CDM-TD_150W-Colour rendering diagram











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