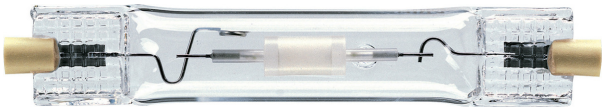

MasterColor® CDM-TD

MasterColor CDM-TD 70W/830 RX7s T6 CL

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.

Product data

General Characteristics

Base	Recessed Single Contact RX7s
Bulb	T6 [T 22mm]
Bulb Finish	Clear
Operating Position	Horizontal +/- 45 D [Parallel +/-45D or Horizontal(HOR)]
Life to 5% failures	9000 hr
Life to 10% failures	13000 hr
Life to 20% failures	15000 hr
RatedAvgLife(See Family Notes)	16000 hr

Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	82 Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	2990 K
Chromaticity Coordinate X	0.434 -
Chromaticity Coordinate Y	0.397 -
Luminous Efficacy System EL	78 Lm/W
Initial Lumens	6500 Lm
Luminous Efficacy Lamp EM	86 Lm/W
Lumen Maintenance 2000h	87 %
Lumen Maintenance 5000h	80 %
Lumen Maintenance 10000h	70 %

Electrical Characteristics

System Power EM	88 W
System Power EL	83 W
Watts	70 W
Lamp Wattage	71.0 W
Lamp Voltage	92 V
Lamp Current EM	0.97 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

Environmental Characteristics

Mercury (Hg) Content	3.7 mg

UV-related Characteristics

PET (NIOSH)	41 h.klx
Damage Factor D/fc	0.23 -

Luminaire Design Requirements

Pinch Temperature	280 (max) C
Bulb Temperature	500 (max) C

Product Dimensions

Reference Length A	114.2 mm
Insertion Length B	117.6 (max) mm
Overall Length C	119.63 (max) mm
Diameter D	22 (max) mm

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Light Center Length L	57.1 mm
Arc Length O	8 mm
Light Center Length L	2.25 in
Max Overall Length (MOL) - C	4.6875 (max) in
Diameter D	0.75 in

- Product Data

Product number	231605
Full product name	MasterColor CDM-TD 70W/830 RX7s T6 CL
Short product name	CDM70/TD/830 12PK
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677231606
Bar code on case	50046677231601
Logistics code(s)	928082205117
tpd_ilcos_cd	MD-70/30/1B-H-RX7s
eop_net_weight_pp	0.021 kg

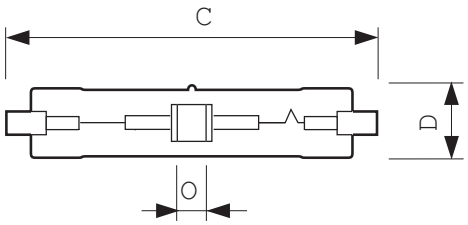
Warnings and Safety

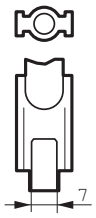
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope ot the lamp is broken or puntured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precuations are used. Certain lamps that will automaticallly 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)

Dimensional drawing

CDM-TD

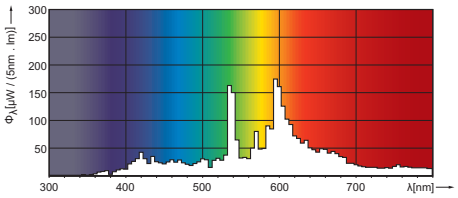
Product	C (Max)	D (Max)	O (Min)	O (Norm)	O (Max)
CDM-TD 70W/830 RX7s	119.63	22	-	8	-





RX7s

Photometric data



MASTERColour CDM-TD /830

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www.philips.com/lighting

2012, August 4
data subject to change