



# Beautiful sparkle, reliable life

## MASTERColour CDM-TD

Range of double-ended, compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light

### Benefits

- Stable color impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation. Provides better operating costs and improved light quality versus standard quartz metal halide (MHN-TD)
- Long lamp life compared with incandescent, halogen and quartz metal halide (MHN-TD) lamps
- Relatively low heat output enhances comfort for shoppers and staff
- All types are UV-Block for reduced fading risks

### Features

- Crisp white light
- Superior color quality
- Retrofit in double-ended luminaires for quartz metal halide lamps (MHN-TD), thereby allowing to reduce operating costs and improve color quality
- Burning position horizontal  $\pm 45^\circ$

### Application

- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting of facades, statues and monuments

# MASTERColour CDM-TD

## Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

## Versions



CDM-TD, 150W

## Dimensional drawing



Product	D (max)	D	O	C (max)
MASTERColour CDM-TD 150W/942 RX7s 1CT	22 mm		10 mm	137.43 mm
MASTERColour CDM-TD 70W/942 RX7s 1CT/12	22 mm	0.75 in	7 mm	119.63 mm

MASTERColour CDM-TD

Controls and Dimming	
Dimmable	No
Operating and Electrical	
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
Light Technical	
Color Code	942
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4200 K
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T6

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy	Mercury (Hg) Content (Nom)
			Efficiency Label (EEL)	
928084705133	MASTERColour CDM-TD 70W/942 RX7s 1CT/12	78 kWh	A	4.8 mg
928084805133	MASTERColour CDM-TD 150W/942 RX7s 1CT	165 kWh	A+	8.29 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
		(Nom)	(Max)	(Min)	(Nom)
928084705133	MASTERColour CDM-TD 70W/942 RX7s 1CT/12	0.98 A	98 V	82 V	90 V

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
		(Nom)	(Max)	(Min)	(Nom)
928084805133	MASTERColour CDM-TD 150W/942 RX7s 1CT	1.8 A	110 V	96 V	103 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928084705133	MASTERColour CDM-TD 70W/942 RX7s 1CT/12	71.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
928084805133	MASTERColour CDM-TD 150W/942 RX7s 1CT	150.0 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928084705133	MASTERColour CDM-TD 70W/942 RX7s 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928084805133	MASTERColour CDM-TD 150W/942 RX7s 1CT	650 °C

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Rendering Index (Min)	Color Rendering Index (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)	(Min)	(Nom)
928084705133	MASTERColour CDM-TD	0.383	0.370	-	92

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Rendering Index (Min)	Color Rendering Index (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)	(Min)	(Nom)
	70W/942 RX7s 1CT/12				

## MASTERColour CDM-TD

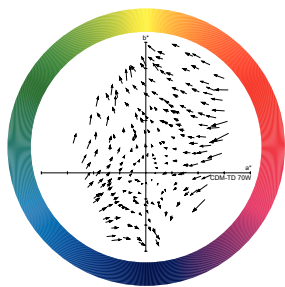
Order Code	Full Product Name	Chromaticity	Chromaticity	Color	Color
		Coordinate X (Nom)	Coordinate Y (Nom)	Rendering Index (Min)	Rendering Index (Nom)
928084805133	MASTERColour CDM-TD	0.380	0.375	-	96

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	Color
		Coordinate X (Nom)	Coordinate Y (Nom)	Rendering Index (Min)	Rendering Index (Nom)
	150W/942 RX7s				
	1CT				

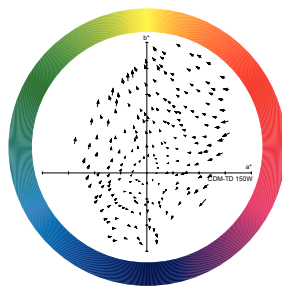
### Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance	Lumen Maintenance	Lumen Maintenance	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux	Luminous Flux
		10000 h (Nom)	2000 h (Min)	2000 h (Nom)	5000 h (Min)	5000 h (Nom)	(rated) (Nom)	(Nom)	(Rated) (Nom)
928084705133	MASTERColour CDM-TD 70W/942 RX7s	60 %	70 %	85 %	60 %	70 %	77 lm/W	5600 lm	5450 lm
	1CT/12								
928084805133	MASTERColour CDM-TD 150W/942 RX7s 1CT	70 %	80 %	90 %	75 %	85 %	91 lm/W	13750 lm	13650 lm

### Colour Rendering Diagrams



LDCR\_CDM-TD\_70W-Colour rendering diagram



LDCR\_CDM-TD\_150W-Colour rendering diagram

