



Beautiful sparkle, reliable life

MASTERColour CDM-TD

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

Benefits

- Stable colour 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/W-TD)
- Long lamp life compared with incandescent, halogen and quartz metal halide (MHN/W-TD) lamps
- Relatively low heat output enhances comfort for shoppers and staff
- All types are UV-Block for reduced fading risks

Features

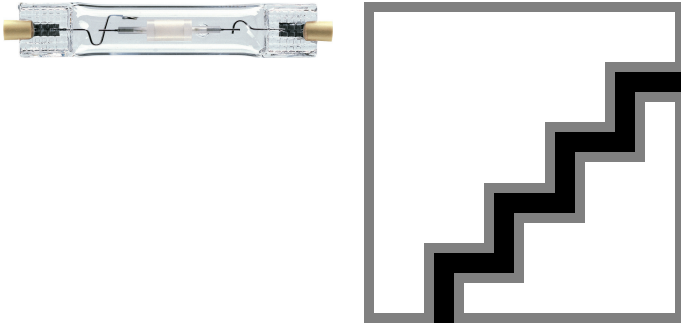
- Warm or cool white colour impression
- Colour rendering good to excellent
- Retrofit in double-ended luminaires for quartz metal halide lamps (MHN/W-TD), thereby allowing to reduce operating costs and improve colour quality
- Burning position horizontal +/-45°

Application

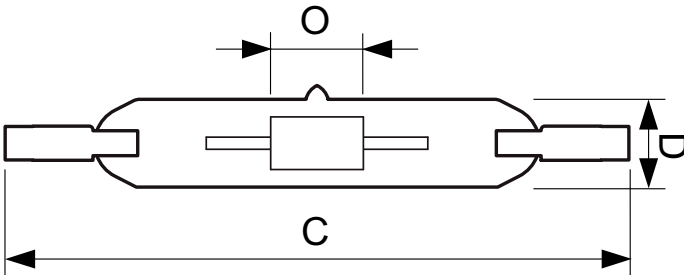
- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting of facades, statues and monuments

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Versions



Dimensional drawing



Product	D (max)	D	O	C (max)
MASTERColour CDM-TD 70W/942 RX7s 1CT/12	22 mm	0.75 in	7 mm	119.63 mm
MASTERColour CDM-TD 150W/942 RX7s 1CT	25 mm	0.875 in	10 mm	137.43 mm

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

Colour Code 942
 Colour Designation Cool White (CW)
 Correlated Colour Temperature (Nom) 4200 K

Mechanical and Housing

Bulb Finish Clear

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
20002015	MASTERColour CDM-TD 70W/942 RX7S 1CT/12	78 kWh	A	4.8 mg
20025915	MASTERColour CDM-TD 150W/942 RX7s 1CT	165 kWh	A+	8.29 mg

Operating and Electrical (1/2)

MASTERCLOUR CDM-TD

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20002015	MASTERCLOUR 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)
20025915	MASTERCLOUR 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)
20002015	MASTERCLOUR CDM-TD 70W/942 RX7S 1CT/12	71.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
20025915	MASTERCLOUR CDM-TD 150W/942 RX7s 1CT	150.0 W

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
20002015	MASTERCLOUR CDM-TD 70W/942 RX7S 1CT/12	500 °C

Order Code	Full Product Name	Bulb Temperature (Max)
20025915	MASTERCLOUR CDM-TD 150W/942 RX7s 1CT	650 °C

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Index (Min)	Index (Nom)
20002015	MASTERCLOUR CDM-TD 70W/942 RX7S 1CT/12	0.383	0.370	-	92
20025915	MASTERCLOUR CDM-TD 150W/942 RX7s 1CT	0.380	0.375	-	96

Order Code	Full Product Name	Chromaticity		Colour Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Index (Min)	Index (Nom)
20025915	MASTERCLOUR CDM-TD 150W/942 RX7s 1CT	0.380	0.375	-	96

Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance		Lumen Maintenance		Luminous Efficacy		Luminous Flux	
		10000 h (Nom)	2000 h (Min)	2000 h (Nom)	5000 h (Min)	5000 h (Nom)	(rated) (Nom)	Flux (Nom)	Flux (Rated)
20002015	MASTERCLOUR CDM-TD 70W/942 RX7S 1CT/12	60 %	70 %	85 %	60 %	70 %	80 lm/W	5600 lm	5600 lm
20025915	MASTERCLOUR CDM-TD 150W/942 RX7s 1CT	70 %	80 %	90 %	75 %	85 %	87 lm/W	13750 lm	13750 lm

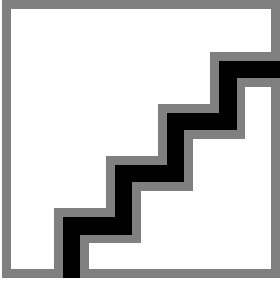
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
20002015	MASTERCLOUR CDM-TD 70W/942 RX7S 1CT/12	T22

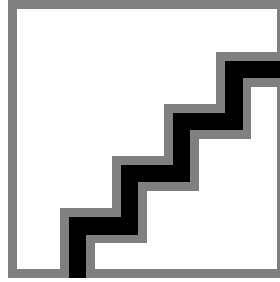
Order Code	Full Product Name	Bulb Shape
20025915	MASTERCLOUR CDM-TD 150W/942 RX7s 1CT	T25

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Colour Rendering Diagrams



LDCR_CDM-TD_70W-Colour rendering diagram



LDCR_CDM-TD_150W-Colour rendering diagram

