



MASTERColour CDM-TD

MASTERColour CDM-TD 70W/942 RX7S 1CT/12

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

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.

Product data

General Information			
Cap base	RX7S [RX7s]	Lumen maintenance 2,000 hours (min.)	70 %
Operating position	P45 [Parallel +/-45D or Horizontal(HOR)]	Lumen maintenance 2,000 hours (nom.)	85 %
Life to 5% failures (nom.)	9000 h	Lumen maintenance 5,000 hours (min.)	60 %
Life to 10% failures (nom.)	13000 h	Lumen maintenance 5,000 hours (nom.)	70 %
Life to 20% failures (nom.)	15000 h	Chromaticity coordinate X (nom.)	0.383
Life to 50% failures (nom.)	16000 h	Chromaticity coordinate Y (nom.)	0.370
ANSI code HID	M139/E	Correlated Colour Temperature (Nom)	4200 K
		Luminous efficacy (rated) (nom.)	76 lm/W
		Colour-rendering index (min.)	-
		Colour rendering index (nom.)	92
Light Technical		Operating and Electrical	
Colour Code	942 [CCT of 4,200 K]	Power (Rated) (Nom)	71.5 W
Luminous flux (rated) (nom.)	5450 lm	Lamp current run-up (max.)	1.4 A
Colour designation	Cool White (CW)		
Lumen maintenance 10,000 hours (nom.)	60 %		

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Lamp current (EM) (nom.)	0.98 A
Ignition supply voltage (max.)	198 V
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)	98 V
Voltage (Min)	82 V
Voltage (Nom)	90 V

Controls and Dimming

Dimmable	No
Run-up time 90% (max.)	3 min

Mechanical and Housing

Lamp Finish	Clear
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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	4.8 mg
Energy consumption kWh/1,000 hours	78 kWh

UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.4

Luminaire Design Requirements

Bulb temperature (max.)	500 °C
Pinch temperature (max.)	280 °C

Product Data

Full product code	871150020002015
Order product name	MASTERCcolour CDM-TD 70W/942 RX7s 1CT/12
EAN/UPC – product	8711500200020
Order code	20002015
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928084705133
SAP net weight (piece)	21.000 g
ILCOS code	MD/UB-70/942-H-RX7s-22/117.6

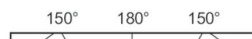
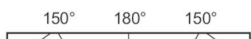
Dimensional drawing



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

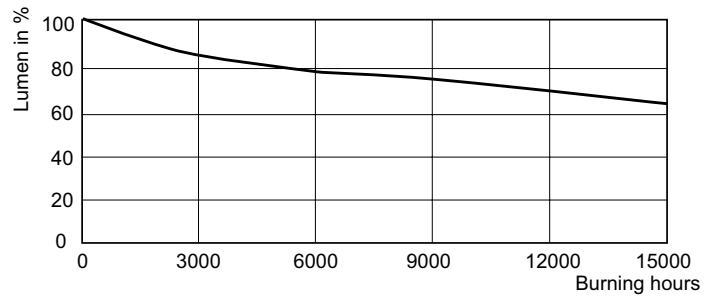
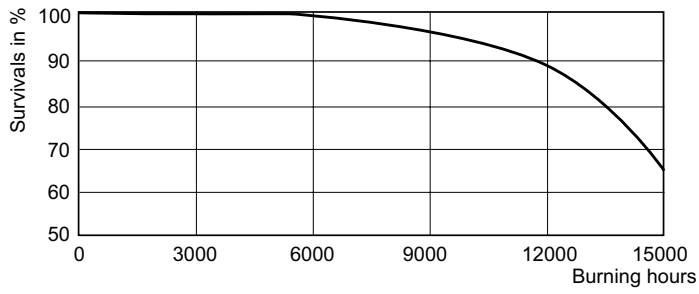
CDM-TD 70W/942 RX7s

Photometric data



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Lifetime



LDLM_CDM-TD_0001-Lumen maintenance diagram

