



MASTERCcolour CDM-TD



MASTERCcolour 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]
Operating position	P45 [Parallel +/-45D or Horizontal(HOR)]
Life to 5% failures (nom.)	9000 h
Life to 10% failures (nom.)	13000 h
Life to 20% failures (nom.)	15000 h
Life to 50% failures (nom.)	16000 h
ANSI code HID	M139/E
	Sphere
Light Technical	
Colour Code	942 [CCT of 4,200 K]
Luminous flux (nom.)	5450 lm
Luminous flux (rated) (nom.)	5450 lm

Colour designation	Cool White (CW)
Lumen maintenance 10,000 hours (nom.)	60 %
Lumen maintenance 2,000 hours (min.)	70 %
Lumen maintenance 2,000 hours (nom.)	85 %
Lumen maintenance 5,000 hours (min.)	60 %
Lumen maintenance 5,000 hours (nom.)	70 %
Chromaticity coordinate X (nom.)	0.371
Chromaticity coordinate Y (nom.)	0.366
Correlated Colour Temperature (Nom)	4200 K
Luminous efficacy (rated) (nom.)	76 lm/W
Colour-rendering index (min.)	-
Colour rendering index (nom.)	92

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Operating and Electrical	
Power (Rated) (Nom)	71.5 W
Lamp current run-up (max.)	1.4 A
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
Bulb shape	T22 [T 22mm]
Approval and Application	
Energy Efficiency Class	G
Mercury (Hg) content (max.)	4.7 mg
Mercury (Hg) content (nom.)	4.8 mg

Energy consumption kWh/1,000 hours	72 kWh
	473339
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	MASTERC colour 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

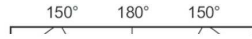
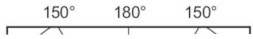


Product	D (max)	D	O	C (max)
MASTERC colour CDM-TD 70W/942 RX7s 1CT/12	22 mm	0.75 in	7 mm	119.63 mm

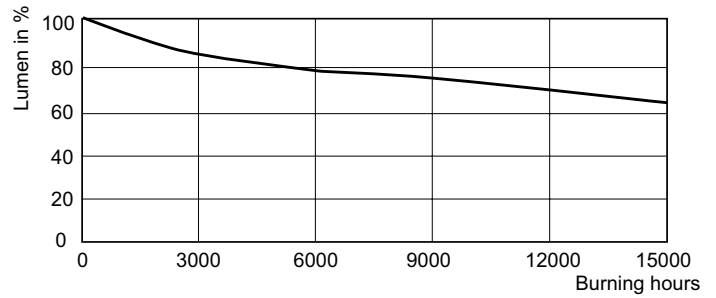
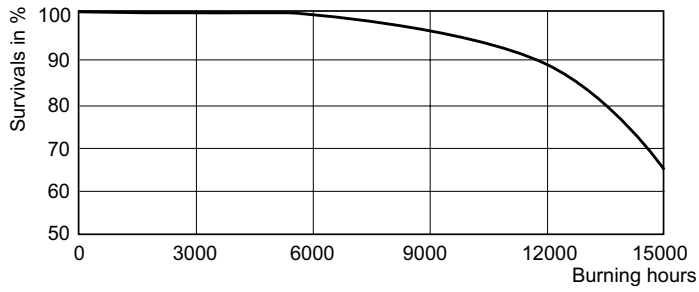
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Photometric data



Lifetime



LDLM_CDM-TD_0001-Lumen maintenance diagram

