

MASTERColour CDM-TD

MASTERColour CDM-TD 70W/830 RX7S 1CT/12

Range of double-ended, compact, high-efficiency, discharge lamps with a stable colour 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.)	80 %
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.)	70 %
Life to 10% failures (nom.)	13000 h	Lumen maintenance 5,000 hours (nom.)	80 %
Life to 20% failures (nom.)	15000 h	Chromaticity coordinate X (nom.)	0.443
Life to 50% failures (nom.)	16000 h	Chromaticity coordinate Y (nom.)	0.401
ANSI code HID	C139/E	Correlated Colour Temperature (Nom)	3000 K
Light Technical		Luminous efficacy (rated) (nom.)	85 lm/W
Colour Code	830 [CCT of 3,000 K]	Colour-rendering index (min.)	77
Luminous flux (rated) (nom.)	6000 lm	Colour rendering index (nom.)	80
Colour designation	Warm white (WW)	Operating and Electrical	
Lumen maintenance 10,000 hours (nom.)	70 %	Power (Rated) (Nom)	71.0 W
		Lamp current run-up (max.)	1.4 A

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Lamp current (EM) (nom.)	0.95 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)	102 V
Voltage (Min)	86 V
Voltage (Nom)	94 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 label (EEL)	A
Mercury (Hg) content (nom.)	3.4 mg
Energy consumption kWh/1,000 hours	78 kWh

Dimensional drawing



CDM-TD 70W/830 RX7s

UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.3

Luminaire Design Requirements

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

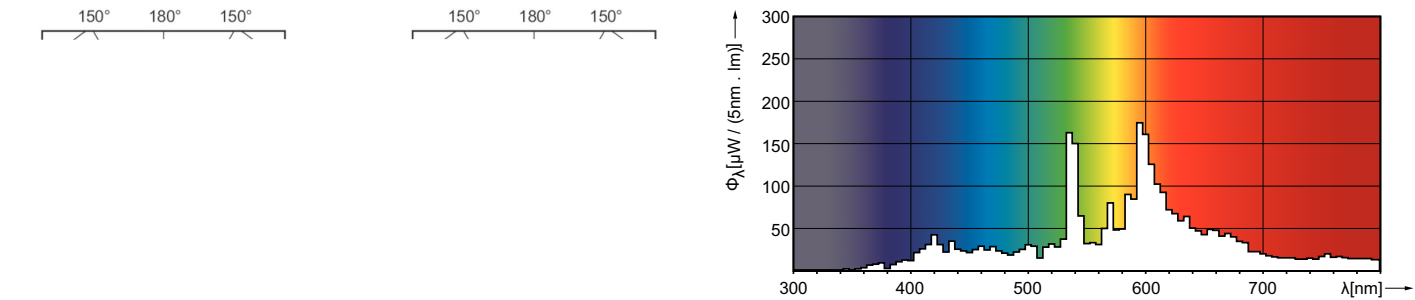
Product Data

Full product code	871150019782515
Order product name	MASTERColour CDM-TD 70W/830 RX7s 1CT/12
EAN/UPC – product	8711500197825
Order code	19782515
Local order code	70CDMTD830
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928082205125
SAP net weight (piece)	21.000 g
ILCOS code	MD/UB-70/830-H-RX7s-22/117.6

Product	D (max)	D O	C (max)
MASTERColour CDM-TD 70W/830 RX7s 1CT/12	22 mm	8 mm	119.63 mm

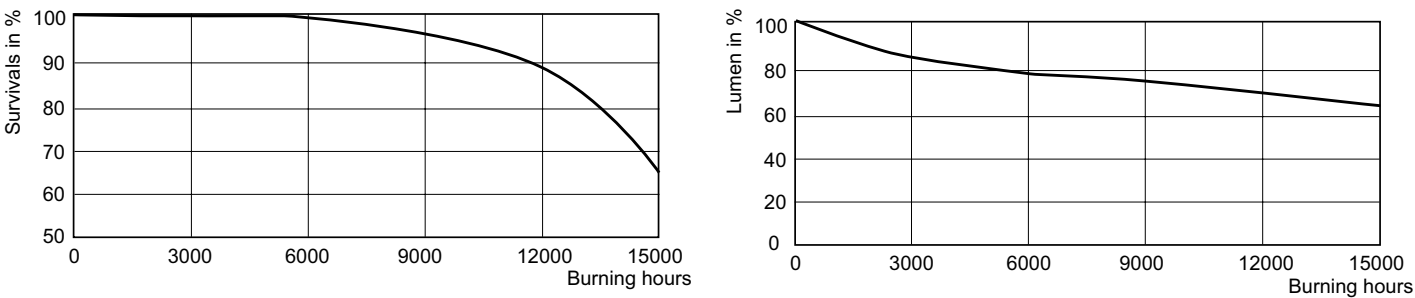
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Photometric data



LDPO_CDM-TD_830-Spectral power distribution Colour

Lifetime



LDLM_CDM-TD_0001-Lumen maintenance diagram

