PHILIPS

Lighting



MASTERColour CDM-TD

MASTERColour CDM-TD 150W/830 RX7s 1CT

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]
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	C142/E

Light Technical	
Colour Code	830 [CCT of 3,000 K]
Luminous flux (rated) (nom.)	12750 lm
Colour designation	Warm white (WW)
Lumen maintenance 10,000 hours (nom.)	75 %
Lumen maintenance 2,000 hours (min.)	80 %
Lumen maintenance 2,000 hours (nom.)	90 %
Lumen maintenance 5,000 hours (min.)	75 %
Lumen maintenance 5,000 hours (nom.)	85 %
Chromaticity coordinate X (nom.)	0.437
Chromaticity coordinate Y (nom.)	0.399
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	87 lm/W
Colour rendering index (nom.)	88

Operating and Electrical	
Power (Rated) (Nom)	147.0 W
Lamp current run-up (max.)	2.5 A
Lamp current (EM) (nom.)	1.8 A

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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)	106 V
Voltage (Min)	90 V
Voltage (Nom)	98 V

Controls and Dimming

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

Mechanical and Housing

Lamp Finish	Clear

Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	10.23 mg
Energy consumption kWh/1,000 hours	160 kWh

UV

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

Luminaire Design Requirements

Bulb temperature (max.)	650 °C
Pinch temperature (max.)	300 °C

Product Data

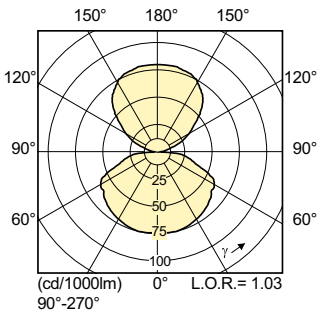
Full product code	871150019784915
Order product name	MASTERColour CDM-TD 150W/830 RX7s 1CT
EAN/UPC – product	8711500197849
Order code	19784915
Local code	150CDMTD830
SAP numerator – quantity per pack	1
SAP numerator – packs per outer box	12
SAP material	928083605133
Net Weight (Piece)	26.700 g
ILCOS code	MD/UB-150/830-H-RX7s-25/135.4

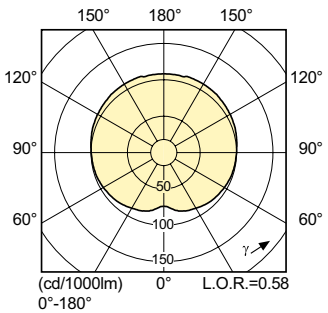
Dimensional drawing

Product	D (max)	D	O	C (max)
MASTERColour CDM-TD 150W/830 RX7s 1CT	22 mm		10 mm	137.43 mm

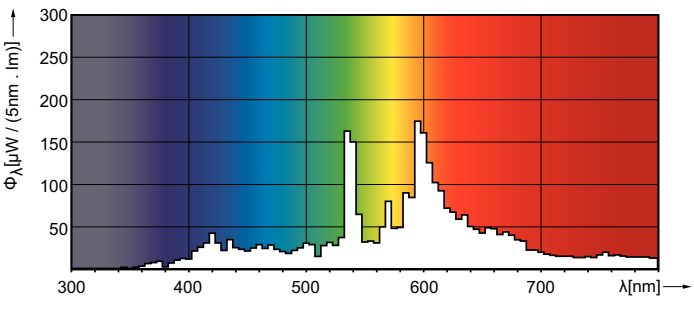
CDM-TD 150W/830 RX7s

Photometric data





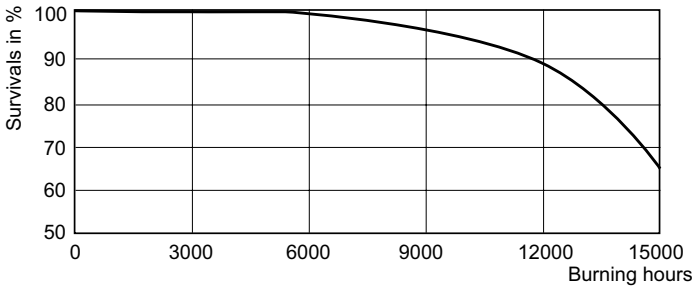
LDLD_CDM-TD_150W_830-Light distribution diagram

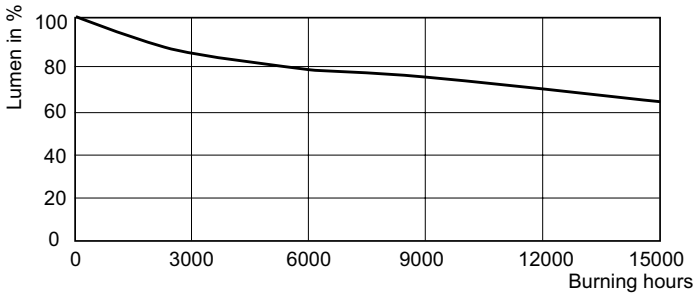


LDPO_CDM-TD_830-Spectral power distribution Colour

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Lifetime





LDLM_CDM-TD_0001-Lumen maintenance diagram

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