



MASTERColour CDM-TD

MASTERColour CDM-TD 70W/942 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 | | Colour Designation | |
|----------------------------------|---|---------------------------------------|-----------------|
| Cap base | RX7S [RX7s] | | Cool White (CW) |
| Burning Position | P45 [Parallel +/-45D or Horizontal(HOR)] | Lumen maintenance 10,000 hours (nom.) | 60 % |
| Life to 5% failures (nom.) | 9000 h | Lumen maintenance 2,000 hours (min.) | 70 % |
| Life to 10% failures (nom.) | 13000 h | Lumen maintenance 2,000 hours (nom.) | 85 % |
| Life to 20% failures (nom.) | 15000 h | Lumen maintenance 5,000 hours (min.) | 60 % |
| Life to 50% failures (nom.) | 16000 h | Lumen maintenance 5,000 hours (nom.) | 70 % |
| ANSI code HID | M139/E | Chromaticity coordinate X (nom.) | 0.371 |
| | Sphere | Chromaticity coordinate Y (nom.) | 0.366 |
| | | Colour Temperature, horizontal (Nom) | 4200 K |
| | | Lamp Luminous Efficacy EM (Nom) | 76 lm/W |
| | | Colour Rendering Index,horiz (Min) | - |
| | | Colour Rendering Index,horiz (Nom) | 92 |
| Light technical | | | |
| Colour Code | 942 [CCT of 4,200 K] | | |
| Lamp Luminous Flux 25°C EL (Nom) | 5450 lm | | |
| Lamp Luminous Flux (Nom) | 5450 lm | | |

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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 |

Dimensional drawing



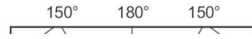
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|---|---|
| UV | |
| PET (NIOSH) (min.) | 8 h/500lx |
| Damage factor D/fc (max.) | 0.4 |
| Luminaire design requirements | |
| Bulb temperature (max.) | 500 °C |
| Pinch temperature (max.) | 280 °C |
| Pinch Temperature (Max)-DUP(do not use) | 280 °C |
| Product data | |
| Full product code | 871150020002015 |
| Order product name | MASTERCcolour CDM-TD 70W/942 RX7s 1CT/12 |
| EAN/UPC – product | 8711500200020 |
| Order code | 928084705133 |
| SAP numerator – quantity per pack | 1 |
| Local code description | 8348060 |
| Numerator – packs per outer box | 12 |
| SAP material | 928084705133 |
| Net Weight (Piece) | 21.000 g |
| ILCOS code | MD/UB-70/942-H-RX7s-22/117.6 |

| 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 |

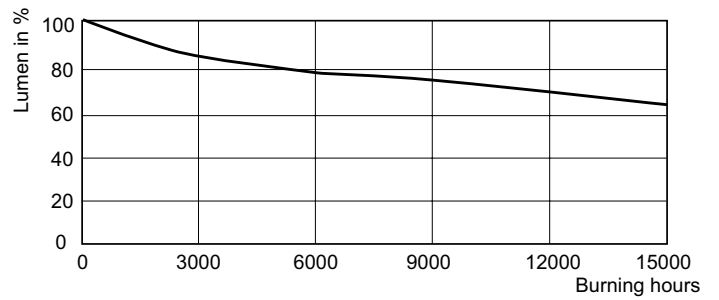
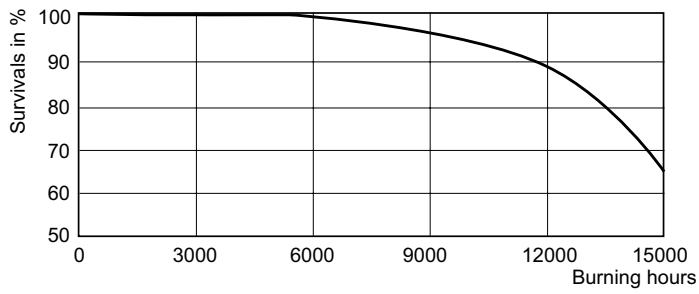
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Photometric data



Lifetime



LDLM_CDM-TD_0001-Lumen maintenance diagram

