



MASTER MHN-LA

MASTER MHN-LA 1000W/842 230V XWH

Compact quartz metal halide lamps with double-pinch

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
- 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

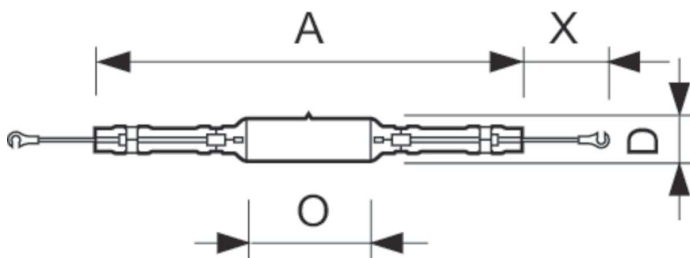
| General Information | | Colour Rendering Index,horiz (Nom) | |
|--------------------------------------|---|------------------------------------|--------------|
| Cap base | X528 [X528] | | 70 |
| Burning Position | P5 [Parallel +/-5D or Horizontal(HOR)] | Operating and Electrical | |
| Life to 5% failures (nom.) | 6000 h | Lamp supply voltage | 230 V [230] |
| Life to 10% failures (nom.) | 8000 h | Power (Rated) (Nom) | 1040.0 W |
| Life to 20% failures (nom.) | 10000 h | Lamp current run-up (max.) | 15 A |
| Life to 50% failures (nom.) | 15000 h | Lamp current (EM) (nom.) | 9.3 A |
| Light Technical | | Ignition supply voltage (min.) | 198 V |
| Colour Code | 842 [CCT of 4,200 K] | Voltage (Max) | 140 V |
| Lamp Luminous Flux (Min) | 85800 lm | Voltage (Min) | 110 V |
| Lamp Luminous Flux (Nom) | 95800 lm | Voltage (Nom) | 125 V |
| Colour Designation | Cool White (CW) | Controls and Dimming | |
| Lumen maintenance 1,000 hours (nom.) | 90 % | Dimmable | No |
| Lumen maintenance 2,000 hours (nom.) | 80 % | Mechanical and Housing | |
| Chromaticity coordinate X (nom.) | 366 | Lamp Finish | Clear |
| Chromaticity coordinate Y (nom.) | 370 | Cap-base information | Cable (C) |
| Colour Temperature, horizontal (Nom) | 4200 K | | |
| Lamp Luminous Efficacy EM (Nom) | 92.00 lm/W | | |

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|--------------------------------------|-----------------|
| Bulb shape | TD40 [TD 40mm] |
| Approval and Application | |
| Mercury (Hg) content (nom.) | 112 mg |
| Energy consumption kWh/1,000 hours | 1144 kWh |
| UV | |
| Specific eff. radiant power | 265 mW/klm |
| Luminaire Design Requirements | |
| Bulb temperature (max.) | 920 °C |
| Pinch temperature (max.) | 350 °C |

| | |
|-----------------------------------|----------------------------------|
| Product Data | |
| Full product code | 871150020078500 |
| Order product name | MASTER MHN-LA 1000W/842 230V XWH |
| EAN/UPC – product | 8718291548232 |
| Order code | 928073005130 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| SAP material | 928073005130 |
| SAP net weight (piece) | 141.000 g |
| ILCOS code | MN-1000-E-K-/H |

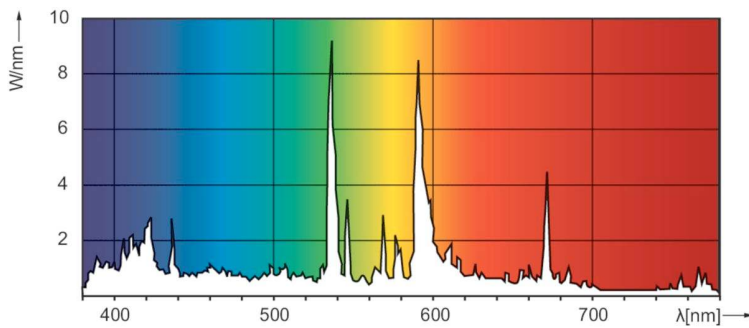
Dimensional drawing



| Product | D (max) | O | X | A |
|----------------------------------|---------|---------|-------|--------|
| MASTER MHN-LA 1000W/842 230V XWH | 40 mm | 40.5 mm | 35 mm | 286 mm |

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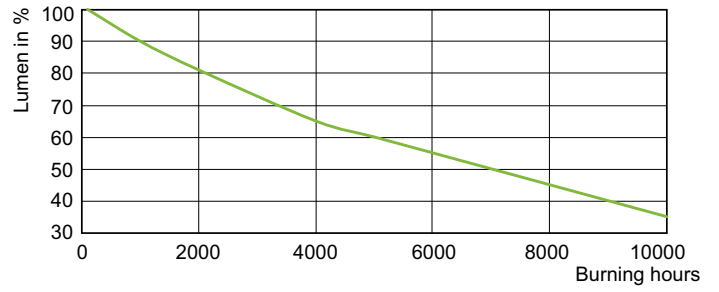
Photometric data



LDPO_MHN-LA_0001-Spectral power distribution Colour

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Lifetime



LDLE_MHN-LA_0001-Life expectancy diagram

LDLM_MHN-LA_0001-Lumen maintenance diagram

