



MASTER MHN-SA

MASTER MHN-SA 2000W/956 400V XW UNP/1

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 | |
|-----------------------------|---|
| Cap base | X830R [X830R] |
| Operating position | P15 [Parallel +/-15D or Horizontal(HOR)] |
| Life to 5% failures (nom.) | 1000 h |
| Life to 10% failures (nom.) | 1400 h |
| Life to 20% failures (nom.) | 2100 h |
| Life to 50% failures (nom.) | 3700 h |

| Light Technical | |
|--------------------------------------|-----------------------|
| Colour Code | 956 [CCT of 5,600 K] |
| Luminous flux (rated) (nom.) | 200000 lm |
| Colour designation | Daylight |
| Lumen maintenance 1,000 hours (nom.) | 88 % |
| Lumen maintenance 2,000 hours (nom.) | 79 % |
| Lumen maintenance 5,000 hours (nom.) | 70 % |
| Chromaticity coordinate X (nom.) | 330 |
| Chromaticity coordinate Y (nom.) | 362 |
| Correlated Colour Temperature (Nom) | 5600 K |
| Luminous efficacy (rated) (nom.) | 98 lm/W |

| Colour rendering index (nom.) | |
|-------------------------------|----|
| Colour rendering index (nom.) | 85 |

| Operating and Electrical | |
|--------------------------------|--------------|
| Lamp supply voltage | 400 V [400] |
| Power (Rated) (Nom) | 2040.0 W |
| Lamp current run-up (max.) | 17 A |
| Lamp current (EM) (nom.) | 11.3 A |
| Ignition supply voltage (min.) | 360 V |
| Voltage (Max) | 220 V |
| Voltage (Min) | 185 V |
| Voltage (Nom) | 205 V |

| Controls and Dimming | |
|----------------------|----|
| Dimmable | No |

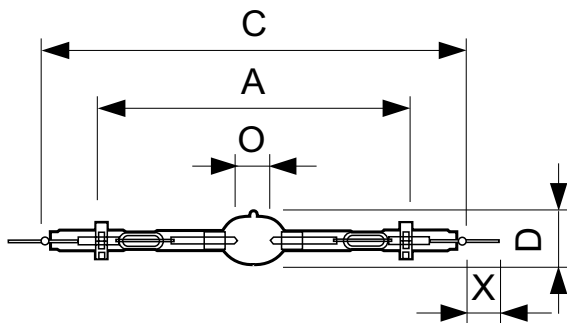
| Mechanical and Housing | |
|------------------------|---------|
| Lamp Finish | Clear |
| Cap-base information | na [-] |

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| | |
|--------------------------------------|-----------------|
| Bulb shape | TD40 [TD 40mm] |
| Approval and Application | |
| Mercury (Hg) content (nom.) | 225 mg |
| Energy consumption kWh/1,000 hours | 2244 kWh |
| UV | |
| Specific eff. radiant power | 60 mW/klm |
| Luminaire Design Requirements | |
| Bulb temperature (max.) | 980 °C |
| Pinch temperature (max.) | 300 °C |
| Product Data | |
| Full product code | 871150020079200 |

| | |
|-----------------------------------|---------------------------------------|
| Order product name | MASTER MHN-SA 2000W/956 400V XW UNP/1 |
| EAN/UPC – product | 8718291548287 |
| Order code | 20079200 |
| Local order code | 2000MHNSA956 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| SAP material | 928099105129 |
| SAP net weight (piece) | 110.000 g |
| ILCOS code | MN-2000-E-X830R-/H |

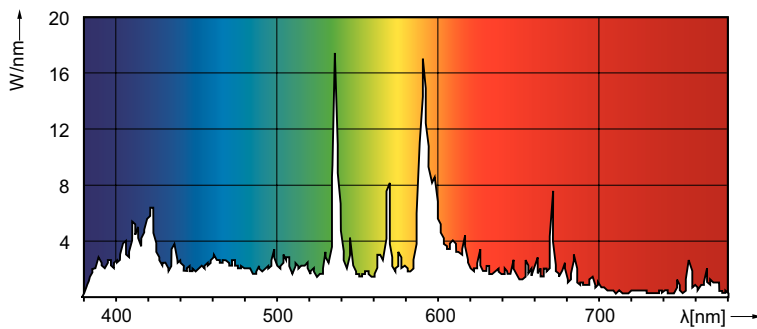
Dimensional drawing



MHN-SA 2000W/956 400V XW

| Product | D (max) | O | X | A | C (max) |
|---------------------------------------|---------|-------|-------|--------|---------|
| MASTER MHN-SA 2000W/956 400V XW UNP/1 | 41 mm | 25 mm | 25 mm | 226 mm | 369 mm |

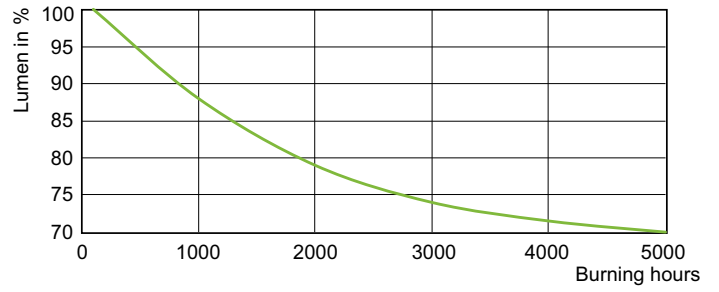
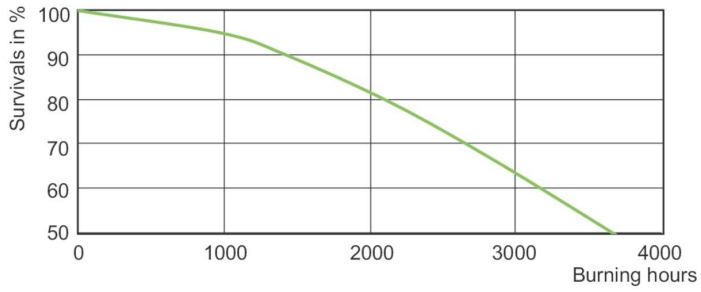
Photometric data



LDPO_MHN-SA_0004-Spectral power distribution Colour

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Lifetime



LDLE_MHN-SA_0002-Life expectancy diagram

LDLM_MHN-SA_0002-Lumen maintenance diagram

