

PHILIPS

Lighting



MASTER MHN-LA

MASTER MHN-LA 2000W/956 400V XWH

Compact quartz metal halide lamps with double-pinches

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 | X528 [X528] |
| Operating Position | P5 [Horizontal +/- 5D] |
| Life to 5% Failures (Nom) | 4500 h |
| Life To 10% Failures (Nom) | 6000 h |
| Life to 20% Failures (Nom) | 8500 h |
| Life to 50% Failures (Nom) | 13000 h |
| Light Technical | |
| Color Code | 956 [CCT of 5600K] |
| Luminous Flux (Rated) (Min) | 170000 lm |
| Luminous Flux (Rated) (Nom) | 190000 lm |
| Color Designation | Daylight [Daylight] |
| Lumen Maintenance 1000 h (Nom) | 94 % |
| Lumen Maintenance 10000 h (Nom) | 63 % |
| Lumen Maintenance 2000 h (Nom) | 89 % |
| Lumen Maintenance 5000 h (Nom) | 76 % |
| Chromaticity Coordinate X (Nom) | 330 |
| Chromaticity Coordinate Y (Nom) | 339 |

| Correlated Color Temperature (Nom) | 5600 K |
|------------------------------------|--------------|
| Luminous Efficacy (rated) (Nom) | 93 lm/W |
| Color Rendering Index (Nom) | 82 |
| Operating and Electrical | |
| Lamp supply voltage | 400 V [400] |
| Power (Rated) (Nom) | 2040.0 W |
| Lamp Current Run-Up (Max) | 15 A |
| Lamp Current (EM) (Nom) | 10.3 A |
| Ignition Supply Voltage (Min) | 342 V |
| Voltage (Max) | 235 V |
| Voltage (Min) | 210 V |
| Voltage (Nom) | 225 V |
| Controls and Dimming | |
| Dimmable | No |
| Mechanical and Housing | |
| Bulb Finish | Clear |

MASTER MHN-LA

| | |
|----------------------|-----------------|
| Cap-Base Information | Cable (C) |
| Bulb Shape | TD40 [TD 40mm] |

Approval and Application

| | |
|-------------------------------|----------|
| Mercury (Hg) Content (Nom) | 130 mg |
| Energy Consumption kWh/1000 h | 2244 kWh |

UV

| | |
|-----------------------------|------------|
| Specific Eff. Radiant Power | 370 mW/klm |
|-----------------------------|------------|

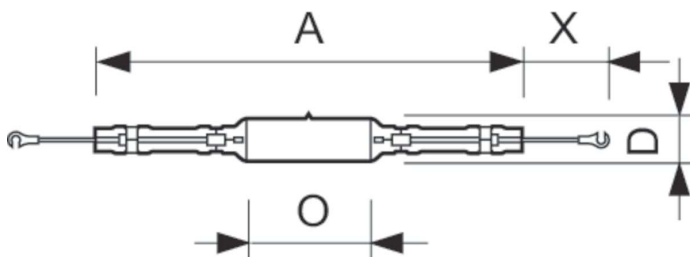
Luminaire Design Requirements

| | |
|-------------------------|--------|
| Bulb Temperature (Max) | 920 °C |
| Pinch Temperature (Max) | 350 °C |

Product Data

| | |
|---------------------------------|----------------------------------|
| Full product code | 871150020073000 |
| Order product name | MASTER MHN-LA 2000W/956 400V XWH |
| EAN/UPC - Product | 8718291548225 |
| Order code | 928072505130 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 928072505130 |
| Net Weight (Piece) | 0.176 kg |
| ILCOS Code | MN-2000-E-K-/H |

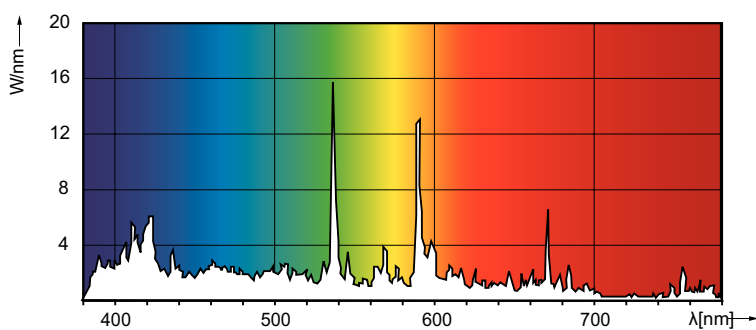
Dimensional drawing



| Product | D (max) | O | X | A |
|----------------------------------|---------|--------|-------|--------|
| MASTER MHN-LA 2000W/956 400V XWH | 40 mm | 108 mm | 58 mm | 353 mm |

MHN-LA 2000W/956 400V XWH

Photometric data



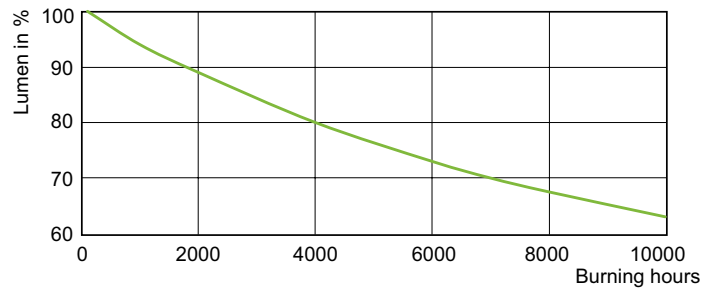
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Lifetime



MHN-LA 2000 W Life Expectancy



MHN-LA 2000 W Lumen Maintenance

