



Product Description

MASTER MHN-LA

Compact quartz metal halide lamps with double-pin

Benefits

Features

Application

Warnings and Safety

Versions



MASTER MHN-LA

Dimensional drawing



| Product | D (max) | O | X | A |
|----------------------------------|---------|---------|-------|--------|
| MASTER MHN-LA 2000W/956 400V XWH | 40 mm | 108 mm | 58 mm | 353 mm |
| MASTER MHN-LA 2000W/842 400V XWH | 40 mm | 108 mm | 58 mm | 353 mm |
| MASTER MHN-LA 1000W/842 230V XWH | 40 mm | 40.5 mm | 35 mm | 286 mm |
| MASTER MHN-LA 1000W/956 230V XWH | 40 mm | 40.5 mm | 35 mm | 286 mm |

| Controls and Dimming | |
|-------------------------------|--------|
| Dimmable | no |
| General Information | |
| Cap-Base | X528 |
| Operating Position | P5 |
| Luminaire Design Requirements | |
| Bulb Temperature (Max) | 920 °C |
| Mechanical and Housing | |
| Bulb Finish | Clear |
| Bulb Shape | TD40 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Energy Efficiency Label (EEL) | Mercury (Hg) Content (Nom) |
|------------|----------------------------------|-------------------------------|-------------------------------|----------------------------|
| 20074700 | MASTER MHN-LA 2000W/842 400V XWH | 2244 kWh | A+ | 194 mg |
| 20073000 | MASTER MHN-LA 2000W/956 400V XWH | 2244 kWh | A+ | 130 mg |

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Energy Efficiency Label (EEL) | Mercury (Hg) Content (Nom) |
|------------|----------------------------------|-------------------------------|-------------------------------|----------------------------|
| 20077800 | MASTER MHN-LA 1000W/956 230V XWH | 1144 kWh | A | 95 mg |
| 20078500 | MASTER MHN-LA 1000W/842 230V XWH | 1144 kWh | A+ | 112 mg |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) | Power (Rated) (Nom) |
|------------|----------------------------------|-------------------------|---------------|---------------|---------------|---------------------|
| 20074700 | MASTER MHN-LA 2000W/842 400V XWH | 9.6 A | 245 V | 220 V | 235 V | 2040.0 W |
| 20073000 | MASTER MHN-LA 2000W/956 400V XWH | 10.3 A | 235 V | 210 V | 225 V | 2040.0 W |
| 20077800 | MASTER MHN-LA 1000W/956 230V XWH | 9.3 A | 140 V | 110 V | 125 V | 1040.0 W |
| 20078500 | MASTER MHN-LA 1000W/842 230V XWH | 9.3 A | 140 V | 110 V | 125 V | 1040.0 W |

General Information

MASTER MHN-LA

| Order Code | Full Product Name | Life To 10% Failures (Nom) | Life To 20% Failures (Nom) | Life To 50% Failures (Nom) | Life To 5% Failures (Nom) |
|------------|----------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 20074700 | MASTER MHN-LA 2000W/842 400V XWH | 6000 h | 8500 h | 13000 h | 4500 h |
| 20073000 | MASTER MHN-LA 2000W/956 400V XWH | 6000 h | 8500 h | 13000 h | 4500 h |

| Order Code | Full Product Name | Life To 10% Failures (Nom) | Life To 20% Failures (Nom) | Life To 50% Failures (Nom) | Life To 5% Failures (Nom) |
|------------|----------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 20077800 | MASTER MHN-LA 1000W/956 230V XWH | 8000 h | 10000 h | 15000 h | 6000 h |
| 20078500 | MASTER MHN-LA 1000W/842 230V XWH | 8000 h | 10000 h | 15000 h | 6000 h |

Light Technical (1/2)

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Colour Code | Colour Designation | Correlated Colour Temperature (Nom) | Colour Rendering Index (Nom) | Lumen Maintenance 1000 h (Nom) |
|------------|----------------------------------|---------------------------------|---------------------------------|-------------|--------------------|-------------------------------------|------------------------------|--------------------------------|
| 20074700 | MASTER MHN-LA 2000W/842 400V XWH | 370 | 370 | 842 | Cool White (CW) | 4200 K | 72 | 94 % |
| 20073000 | MASTER MHN-LA 2000W/956 400V XWH | 330 | 339 | 956 | Daylight | 5600 K | 82 | 94 % |
| 20077800 | MASTER MHN-LA 1000W/956 230V XWH | 337 | 331 | 956 | Daylight | 5600 K | 80 | 90 % |
| 20078500 | MASTER MHN-LA 1000W/842 230V XWH | 366 | 370 | 842 | Cool White (CW) | 4200 K | 70 | 90 % |

Light Technical (2/2)

| Order Code | Full Product Name | Lumen Maintenance 10000 h (Nom) | Lumen Maintenance 2000 h (Nom) | Lumen Maintenance 5000 h (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (Nom) |
|------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------|-----------------------------|
| 20074700 | MASTER MHN-LA 2000W/842 400V XWH | 63 % | 89 % | 76 % | 105 lm/W | 193000 lm | 214000 lm |
| 20073000 | MASTER MHN-LA 2000W/956 400V XWH | 63 % | 89 % | 76 % | 93 lm/W | 170000 lm | 190000 lm |
| 20077800 | MASTER MHN-LA 1000W/956 230V XWH | - | 80 % | - | 86.0 lm/W | 82000 lm | 87000 lm |
| 20078500 | MASTER MHN-LA 1000W/842 230V XWH | - | 80 % | - | 92.00 lm/W | 85800 lm | 95800 lm |

