



# Product Description

## MASTER MHN-LA

Compact quartz metal halide lamps with double-pinch

### Benefits

- Allows compact and efficient luminaire systems with precision optics for good beam control and minimal spill light
- Good colour rendering creates a pleasant ambience with high visual comfort for players and spectators
- Continuous spectral distribution offers options for semi-professional stadiums and for professional stadiums with regular TV coverage

### Features

- Compact source (Long Arc) with high luminous efficacy
- Double-pinch concept results in long lifetime
- Natural white colour appearance, high colour rendering and good colour stability
- Daylight colour temperature eases transition from daylight to artificial lighting

### Application

- Professional and semi-professional sports lighting and floodlighting

### 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.

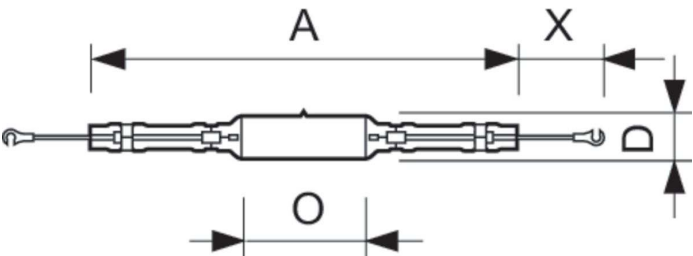
# MASTER MHN-LA

## Versions



LPPR MHN-LA 2000W

## Dimensional drawing



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

| General Information    |       |
|------------------------|-------|
| Cap-Base               | X528  |
| Operating Position     | P5    |
| Controls and Dimming   |       |
| Dimmable               | No    |
| Mechanical and Housing |       |
| Bulb Finish            | Clear |
| Bulb Shape             | TD40  |

## Light Technical

| Order Code   | Full Product Name                | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Color Designation | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|--------------|----------------------------------|---------------------------------|---------------------------------|-------------------|------------------------------------|-----------------------------|---------------------------------|
| 928071305130 | MASTER MHN-LA 2000W/842 400V XWH | 370                             | 370                             | Cool White (CW)   | 4200 K                             | 72                          | 105 lm/W                        |
| 928072505130 | MASTER MHN-LA 2000W/956 400V XWH | 330                             | 339                             | Daylight          | 5600 K                             | 82                          | 93 lm/W                         |
| 928072205130 | MASTER MHN-LA 1000W/956 230V XWH | 337                             | 331                             | Daylight          | 5600 K                             | 80                          | 86.0 lm/W                       |

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| Order Code   | Full Product Name                | Chromaticity       | Chromaticity       | Color Designation | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|--------------|----------------------------------|--------------------|--------------------|-------------------|------------------------------------|-----------------------------|---------------------------------|
|              |                                  | Coordinate X (Nom) | Coordinate Y (Nom) |                   |                                    |                             |                                 |
| 928073005130 | MASTER MHN-LA 1000W/842 230V XWH | 366                | 370                | Cool White (CW)   | 4200 K                             | 70                          | 92.00 lm/W                      |

Operating and Electrical

| Order Code   | Full Product Name                | Voltage (Nom) | Power Consumption | Order Code   | Full Product Name                | Voltage (Nom) | Power Consumption |
|--------------|----------------------------------|---------------|-------------------|--------------|----------------------------------|---------------|-------------------|
| 928071305130 | MASTER MHN-LA 2000W/842 400V XWH | 235 V         | 2,040.0 W         | 928072205130 | MASTER MHN-LA 1000W/956 230V XWH | 125 V         | 1,040.0 W         |
| 928072505130 | MASTER MHN-LA 2000W/956 400V XWH | 225 V         | 2,040.0 W         | 928073005130 | MASTER MHN-LA 1000W/842 230V XWH | 125 V         | 1,040.0 W         |

Approval and Application

| Order Code   | Full Product Name                | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) | Order Code   | Full Product Name                | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|--------------|----------------------------------|-------------------------------|----------------------------|--------------|----------------------------------|-------------------------------|----------------------------|
| 928071305130 | MASTER MHN-LA 2000W/842 400V XWH | 2244 kWh                      | 194 mg                     | 928072205130 | MASTER MHN-LA 1000W/956 230V XWH | 1144 kWh                      | 95 mg                      |
| 928072505130 | MASTER MHN-LA 2000W/956 400V XWH | 2244 kWh                      | 140 mg                     | 928073005130 | MASTER MHN-LA 1000W/842 230V XWH | 1144 kWh                      | 112 mg                     |

