



# Product Description

## MASTER MHN-LA

Compact quartz metal halide lamps with double-pin

### 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-pin 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.

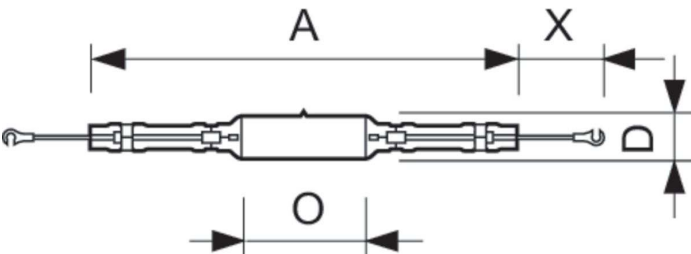
# MASTER MHN-LA

## 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 |       |
| Lamp Finish            | Clear |
| Bulb shape             | TD40  |

## Light Technical

|            |                                     |                    |                    |                    |                   | Colour          |                   |
|------------|-------------------------------------|--------------------|--------------------|--------------------|-------------------|-----------------|-------------------|
|            |                                     | Chromaticity       | Chromaticity       |                    | Correlated Colour | rendering index | Luminous efficacy |
| Order Code | Full Product Name                   | Coordinate X (Nom) | Coordinate Y (Nom) | Colour designation | Temperature (Nom) | (CRI)           | (rated) (nom.)    |
| 20074700   | MASTER MHN-LA 2000W/842<br>400V XWH | 370                | 370                | Cool White (CW)    | 4200 K            | 72              | 104 lm/W          |
| 20073000   | MASTER MHN-LA 2000W/956<br>400V XWH | 330                | 339                | Daylight           | 5600 K            | 82              | 93 lm/W           |
| 20077800   | MASTER MHN-LA 1000W/956<br>230V XWH | 337                | 331                | Daylight           | 5600 K            | 80              | 86.0 lm/W         |

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| Order Code | Full Product Name                   | Chromaticity       | Chromaticity       | Correlated Colour<br>Temperature (Nom) | Colour<br>rendering index | Luminous efficacy<br>(rated) (nom.) |            |
|------------|-------------------------------------|--------------------|--------------------|--|---------------------------|-------------------------------------|------------|
|            |                                     | Coordinate X (Nom) | Coordinate Y (Nom) |  | Colour designation        |                                     | (CRI)      |
| 20078500   | MASTER MHN-LA 1000W/842<br>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 |
|------------|-------------------------------------|----------------|-------------------|------------|-------------------------------------|----------------|-------------------|
| 20074700   | MASTER MHN-LA 2000W/842<br>400V XWH | 235 V          | 2,050 W           | 20077800   | MASTER MHN-LA 1000W/956 230V<br>XWH | 125 V          | 1,040.0 W         |
| 20073000   | MASTER MHN-LA 2000W/956<br>400V XWH | 225 V          | 2,050 W           | 20078500   | MASTER MHN-LA 1000W/842 230V<br>XWH | 125 V          | 1,040.0 W         |

### Approval and Application

| Order Code | Full Product Name                   | Energy consumption | Mercury (Hg)   | Order Code | Full Product Name                   | Energy consumption | Mercury (Hg)   |
|------------|-------------------------------------|--------------------|----------------|------------|-------------------------------------|--------------------|----------------|
|            |                                     | kWh/1,000 hours    | content (nom.) |            |                                     | kWh/1,000 hours    | content (nom.) |
| 20074700   | MASTER MHN-LA 2000W/842<br>400V XWH | 2,244 kWh          | 194 mg         | 20077800   | MASTER MHN-LA 1000W/956<br>230V XWH | 1,144 kWh          | 95 mg          |
| 20073000   | MASTER MHN-LA 2000W/956<br>400V XWH | 2,244 kWh          | 140 mg         | 20078500   | MASTER MHN-LA 1000W/842<br>230V XWH | 1,144 kWh          | 112 mg         |

