



# Product Description

## MASTER MHN-SA

Compact quartz metal halide lamps with double-pinch

### Benefits

- Allows compact and very efficient luminaire systems with high precision optics for good beam control and minimal spill light
- Very good color rendering creates a pleasant ambience with high visual comfort for players and spectators
- Continuous spectral distribution offers a superior solution for (semi-) professional stadiums with regular TV coverage

### Features

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

### Application

- 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-SA

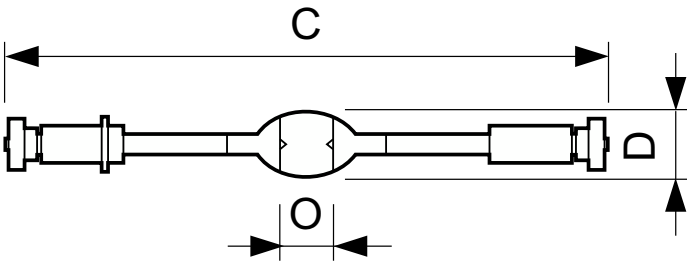
## Versions



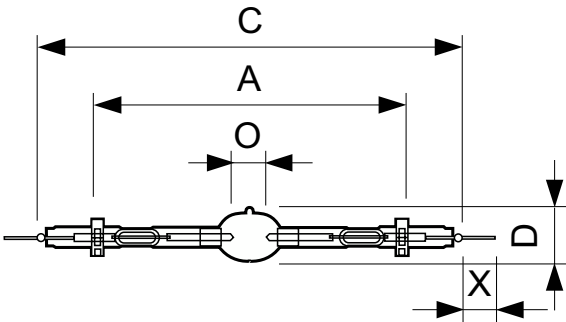
LPPR MHN-SA X830R

LPPR MHN-SA 0001

## Dimensional drawing



| Product                             | D (max) | O     | C (max) |
|-------------------------------------|---------|-------|---------|
| MASTER MHN-SA 1800W/956 (P)SFC 230V | 41 mm   | 25 mm | 364 mm  |
| MASTER MHN-SA 1800W/956 (P)SFC 400V | 41 mm   | 25 mm | 364 mm  |



| Product                         | D (max) | O     | X     | A      | C (max) |
|---------------------------------|---------|-------|-------|--------|---------|
| MASTER MHN-SA 1800W/956 230V XW | 41 mm   | 25 mm | 25 mm | 318 mm | 369 mm  |
| UNP/1                           |         |       |       |        |         |

# MASTER MHN-SA

## General Information

|                                     |          |
|-------------------------------------|----------|
| Operating position                  | P15      |
| <b>Light Technical</b>              |          |
| Chromaticity Coordinate X (Nom)     | 330      |
| Chromaticity Coordinate Y (Nom)     | 339      |
| Colour designation                  | Daylight |
| Correlated Colour Temperature (Nom) | 5600 K   |
| Colour rendering index (CRI)        | 86       |
| <b>Controls and Dimming</b>         |          |
| Dimmable                            | No       |
| <b>Mechanical and Housing</b>       |          |
| Lamp Finish                         | Clear    |
| Bulb shape                          | TD40     |

## General Information

| Order Code   | Full Product Name                     | Cap base |
|--------------|---------------------------------------|----------|
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | X830R    |
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V   | (P)SFC   |
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V   | (P)SFC   |

## Light Technical

| Order Code   | Full Product Name                     | Luminous efficacy (rated) (nom.) |
|--------------|---------------------------------------|----------------------------------|
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | 86 lm/W                          |
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V   | 83 lm/W                          |

| Order Code   | Full Product Name                   | Luminous efficacy (rated) (nom.) |
|--------------|-------------------------------------|----------------------------------|
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V | 84 lm/W                          |

## Operating and Electrical

| Order Code   | Full Product Name                     | Voltage (nom.) | Power Consumption |
|--------------|---------------------------------------|----------------|-------------------|
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | 120 V          | 1,800.0 W         |
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V   | 120 V          | 1,800.0 W         |

| Order Code   | Full Product Name                   | Voltage (nom.) | Power Consumption |
|--------------|-------------------------------------|----------------|-------------------|
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V | 205 V          | 1,900 W           |

## Approval and Application

| Order Code   | Full Product Name                     | Energy consumption kWh/1,000 hours | Mercury (Hg) content (nom.) |
|--------------|---------------------------------------|------------------------------------|-----------------------------|
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | 1,980 kWh                          | 87 mg                       |
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V   | 1,980 kWh                          | 87 mg                       |

| Order Code   | Full Product Name                   | Energy consumption kWh/1,000 hours | Mercury (Hg) content (nom.) |
|--------------|-------------------------------------|------------------------------------|-----------------------------|
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V | 2,035 kWh                          | 234 mg                      |

