



## Product Description

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

### Applications

- Professional sports lighting and floodlighting

### Features

- Very compact source (Short Arc) with high luminous efficacy and superior color rendering
- Double-pinch concept results in long lifetime

### Versions



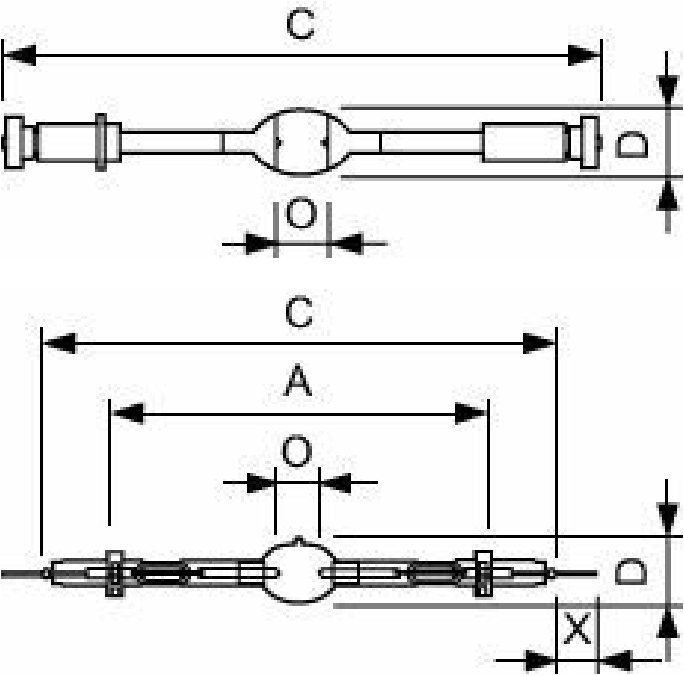
LPPR MHN-SA X830R



LPPR MHN-SA 0001

- Natural white color appearance, high color rendering and good color stability
- Daylight color temperature eases transition from daylight to artificial lighting
- 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.

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 UNP/1 | 41 mm   | 25 mm | 25 mm | 318 mm | 369 mm  |

General Information

Operating positionP15 [Parallel +/-15D or Horizontal(HOR)]

Light Technical

Colour designationDaylight  
Chromaticity Coordinate X (Nom)330  
Chromaticity Coordinate Y (Nom)339  
Correlated Colour Temperature (Nom)5600 K  
Colour rendering index (CRI)86

Controls and Dimming

DimmableNo

Mechanical and Housing

Lamp FinishClear  
Bulb shapeTD40

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                          |
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V   | 84 lm/W                          |

## Operating and Electrical

| Order Code   | Full Product Name                     | Power Consumption | Voltage (nom.) |
|--------------|---------------------------------------|-------------------|----------------|
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | 1,800.0 W         | 120 V          |
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V   | 1,800.0 W         | 120 V          |
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V   | 1,900 W           | 205 V          |

## Approval and Application

| Order Code   | Full Product Name                     | Mercury (Hg) content (nom.) | Energy consumption kWh/1,000 hours |
|--------------|---------------------------------------|-----------------------------|------------------------------------|
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | 87 mg                       | 1,980 kWh                          |
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V   | 87 mg                       | 1,980 kWh                          |
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V   | 234 mg                      | 2,035 kWh                          |