

Lighting

PHILIPS

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
- \cdot 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)
- \cdot 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.

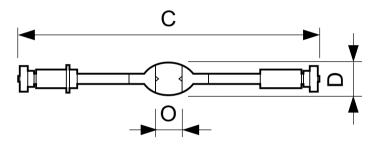
MASTER MHN-SA

Versions

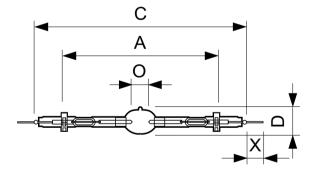


LPPR MHN-SA 0001

Dimensional drawing



| Product | D (max) | 0 | 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) | 0 | х | А | C (max) |
|---|---------|-------|-------|--------|---------|
| MASTER MHN-SA 1800W/956 230V XW UNP/1 | 41 mm | 25 mm | 25 mm | 318 mm | 369 mm |
| MASTER MHN-SA 2000W/956 400V XW HO UNP/1 | 41 mm | 25 mm | 34 mm | 226 mm | 369 mm |
| MASTER MHN-SA 2000W/956 400V XW UNP/1 | 41 mm | 25 mm | 25 mm | 226 mm | 369 mm |

MASTER MHN-SA

| General Information | |
|------------------------------------|----------|
| Operating Position | P15 |
| | |
| Light Technical | |
| Chromaticity Coordinate X (Nom) | 330 |
| Color Designation | Daylight |
| Correlated Color Temperature (Nom) | 5600 K |
| | |
| Controls and Dimming | |
| Dimmable | No |
| | |
| Mechanical and Housing | |
| Bulb Finish | Clear |
| Bulb Shape | TD40 |
| | |

General Information

| Order Code | Full Product Name | Cap-Base |
|--------------|--|----------|
| 928099105129 | MASTER MHN-SA 2000W/956 400V XW UNP/1 | X830R |
| 928099205130 | MASTER MHN-SA 1800W/956 230V XW UNP/1 | X830R |
| 928195105129 | MASTER MHN-SA 2000W/956 400V XW HO UNP/1 | X830R |

| Order Code | Full Product Name | Cap-Base |
|--------------|-------------------------------------|----------|
| 928078415130 | MASTER MHN-SA 1800W/956 (P)SFC 230V | (P)SFC |
| 928079315130 | MASTER MHN-SA 1800W/956 (P)SFC 400V | (P)SFC |

Light Technical

| | | Chromaticity | Color | Luminous |
|--------------|-------------------|--------------|-------------|------------------|
| | | Coordinate Y | rendering | Efficacy (rated) |
| Order Code | Full Product Name | (Nom) | index (CRI) | (Nom) |
| 928099105129 | MASTER MHN-SA | 362 | 85 | 95 lm/W |
| | 2000W/956 400V XW | | | |
| | UNP/1 | | | |
| 928099205130 | MASTER MHN-SA | 339 | 86 | 86 lm/W |
| | 1800W/956 230V XW | | | |
| | UNP/1 | | | |
| 928195105129 | MASTER MHN-SA | 366 | 81 | 108 lm/W |
| | 2000W/956 400V XW | | | |
| | HO UNP/1 | | | |

| | | Chromaticity | Color | Luminous |
|--------------|-------------------|--------------|-------------|------------------|
| | | Coordinate Y | rendering | Efficacy (rated) |
| Order Code | Full Product Name | (Nom) | index (CRI) | (Nom) |
| 928078415130 | MASTER MHN-SA | 339 | 86 | 83 lm/W |
| | 1800W/956 (P)SFC | | | |
| | 230V | | | |
| 928079315130 | MASTER MHN-SA | 339 | 86 | 84 lm/W |
| | 1800W/956 (P)SFC | | | |
| | 400V | | | |

Operating and Electrical

| | | Voltage | Power |
|--------------|-------------------------|---------|-------------|
| Order Code | Full Product Name | (Nom) | Consumption |
| 928099105129 | MASTER MHN-SA 2000W/956 | 205 V | 2,100 W |
| | 400V XW UNP/1 | | |
| 928099205130 | MASTER MHN-SA 1800W/956 | 120 V | 1,800.0 W |
| | 230V XW UNP/1 | | |
| 928195105129 | MASTER MHN-SA 2000W/956 | 205 V | 2,100 W |
| | 400V XW HO UNP/1 | | |
| | | | |

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

Approval and Application

MASTER MHN-SA

| | | Energy | |
|--------------|-------------------------|------------------|---------------|
| | | Consumption kWh/ | Mercury (Hg) |
| Order Code | Full Product Name | 1000 h | Content (Nom) |
| 928099105129 | MASTER MHN-SA 2000W/956 | 2,244 kWh | 215 mg |
| | 400V XW UNP/1 | | |
| 928099205130 | MASTER MHN-SA 1800W/956 | 1,980 kWh | 87 mg |
| | 230V XW UNP/1 | | |
| 928195105129 | MASTER MHN-SA 2000W/956 | 2,305 kWh | 215 mg |
| | 400V XW HO UNP/1 | | |
| | | | |

| | Energy | |
|-------------------------|---|--|
| | Consumption kWh/ | Mercury (Hg) |
| Full Product Name | 1000 h | Content (Nom) |
| MASTER MHN-SA 1800W/956 | 1,980 kWh | 87 mg |
| (P)SFC 230V | | |
| MASTER MHN-SA 1800W/956 | 2,035 kWh | 234 mg |
| (P)SFC 400V | | |
| | MASTER MHN-SA 1800W/956 (P)SFC 230V MASTER MHN-SA 1800W/956 | Consumption kWh/ Full Product Name 1000 h MASTER MHN-SA 1800W/956 1,980 kWh (P)SFC 230V |



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