



# 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
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- Very good color rendering creates a pleasant ambience with high visual comfort for players and spectators
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- Continuous spectral distribution offers a superior solution for (semi-) professional stadiums with regular TV coverage
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### Features

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

### Application

- Professional sports lighting and floodlighting
- Professional sports lighting and floodlighting

# MASTER MHN-SA

## Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
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- The luminaire must be able to contain hot lamp parts if the lamp ruptures
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- 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.
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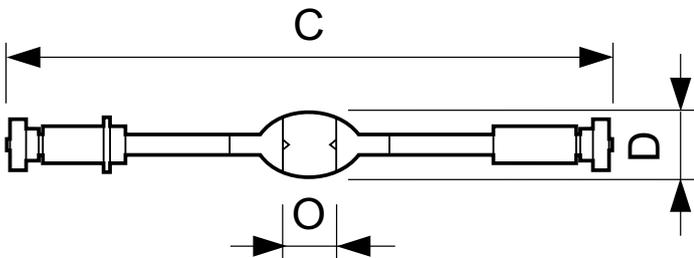
## Versions



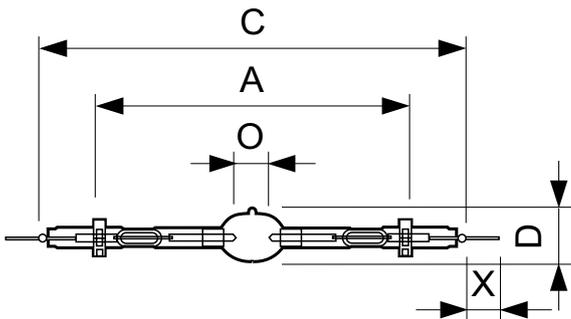
LPPR MHN-SA X830R

LPPR MHN-SA 0001

## Dimensional drawing



Product	D (max)	O	C (max)
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 2000W/956 400V XW HO UNP/1	41 mm	25 mm	34 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
Operating and Electrical	
Voltage (Nom)	205 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	TD40

## General Information

Order Code	Full Product Name	Cap-Base
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	X830R
928079315130	MASTER MHN-SA 1800W/956 (P)SFC 400V	(P)SFC

## Light Technical

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	366	81	108 lm/W

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

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	2,095.0 W

Order Code	Full Product Name	Power Consumption
928079315130	MASTER MHN-SA 1800W/956 (P)SFC 400V	1,850.0 W

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	2305 kWh	215 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928079315130	MASTER MHN-SA 1800W/956 (P)SFC 400V	2035 kWh	234 mg

