

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

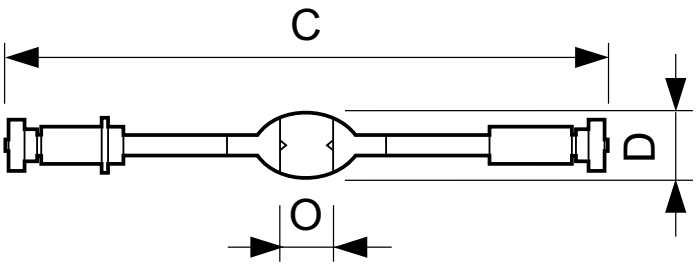


LPPR MHN-SA X830R

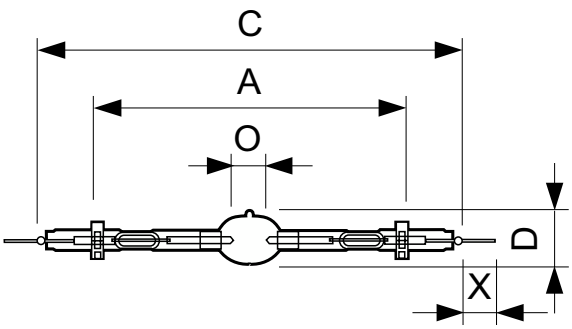


LPPR MHN-SA 0001

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 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

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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

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
928099105129	MASTER MHN-SA 2000W/956 400V XW UNP/1	362	85	98 lm/W
928099205130	MASTER MHN-SA 1800W/956 230V XW UNP/1	339	86	86 lm/W
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)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	339	86	86 lm/W
928079315130	MASTER MHN-SA 1800W/956 (P)SFC 400V	339	86	86 lm/W

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928099105129	MASTER MHN-SA 2000W/956 400V XW UNP/1	205 V	2,040.0 W
928099205130	MASTER MHN-SA 1800W/956 230V XW UNP/1	120 V	1,800.0 W
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	205 V	2,095.0 W

Order Code	Full Product Name	Voltage (Nom)	Power 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	1,850.0 W

Approval and Application

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Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928099105129	MASTER MHN-SA 2000W/956 400V XW UNP/1	2244 kWh	215 mg
928099205130	MASTER MHN-SA 1800W/956 230V XW UNP/1	1980 kWh	87 mg
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)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	1980 kWh	87 mg
928079315130	MASTER MHN-SA 1800W/956 (P)SFC 400V	2035 kWh	234 mg

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