



# **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
- $\cdot$  Natural white color appearance, high color rendering and good color stability
- · Daylight color temperature eases transition from daylight to artificial lighting

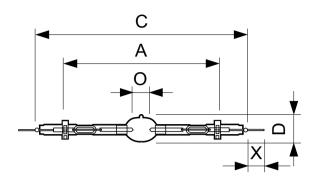
#### **Application**

· Professional sports lighting and floodlighting

#### Warnings and Safety

- · Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- $\cdot$  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.

# Dimensional drawing



Product	D (max)	0	х	Α	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

General Information	
Cap-Base	X830R
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

# Light Technical

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

# 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		

	Voltage	Power
Full Product Name	(Nom)	Consumption
MASTER MHN-SA 2000W/956	205 V	2,100 W
400V XW HO UNP/1		
	MASTER MHN-SA 2000W/956	Full Product Name (Nom)  MASTER MHN-SA 2000W/956 205 V

# Approval and Application

		<b>Energy Consumption</b>	Mercury (Hg)
Order Code	Full Product Name	kWh/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		

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

## **MASTER MHN-SA**



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