

PHILIPS

Lighting



Product Description

MASTER MHN-SA

Compact quartz metal halide lamps with double-pinches

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-pinches 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

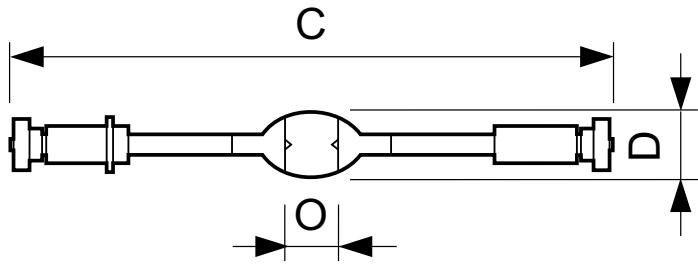
- Professional sports lighting and floodlighting

Warnings and Safety

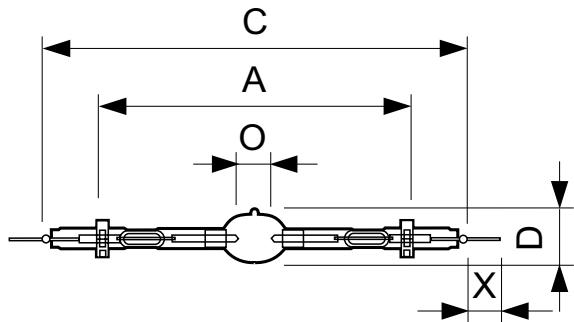
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and 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

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

General Information

Operating position P15

Light Technical

Chromaticity Coordinate X (Nom) 330
 Colour designation Daylight
 Correlated Colour Temperature (Nom) 5600 K

Controls and Dimming

Dimmable No

Mechanical and Housing

Lamp Finish Clear
 Bulb shape TD40

General Information

Order Code	Full Product Name	Cap base
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

MASTER MHN-SA

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

Operating and Electrical

Order Code	Full Product Name	Voltage	Power
		(nom.)	Consumption
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	2,100 W

Order Code	Full Product Name	Voltage	Power
		(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

Order Code	Full Product Name	Energy consumption	Mercury (Hg)
		kWh/1,000 hours	content (nom.)
928099205130	MASTER MHN-SA 1800W/956 230V XW UNP/1	1,980 kWh	87 mg
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	2,305 kWh	215 mg

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

