



# High Pressure Metal Halide Lamps

## Double-Ended Metal Halide

With their excellent color rendering properties, these High Pressure Metal Halide Lamps are ideal light sources for accent lighting in indoor applications. The outer bulb of the double-ended metal halide lamp is made of heat-resistant quartz. The double-ended construction, in combination with the small tubular quartz outer envelope, makes it possible to use these lamps in small luminaires with special optics.

### Benefits

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### Features

- Immediate re-ignition is possible with special ignitors generating 25kV.
- Available in Color temperatures of 4000K and 4200K.
- Available in 1800W.

### Application

- Ideal for use in small luminaires.

### Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA: 21 CFR 1040.30 Canada: SOR/DORS/80-381)

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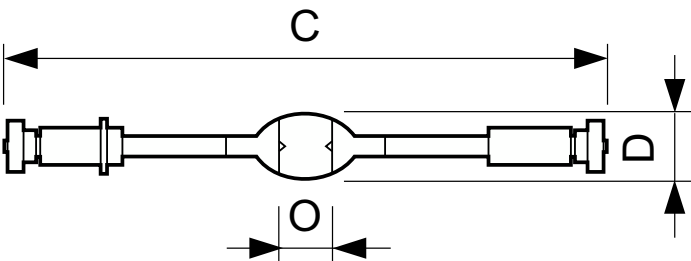
## Versions



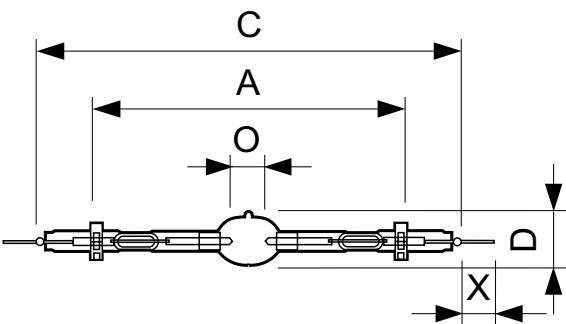
LPPR MHN-SA X830R

LPPR MHN-SA 0001

## Dimensional drawing



Product	D (max)	O	C (max)
MASTER MHN-SA 1800W/956 (P)SFC 230V	41 mm	25 mm	364 mm



Product	D (max)	O	X	A	C (max)
MASTER MHN-SA 2000W/956 400V XW	41 mm	25 mm	34 mm	226 mm	369 mm
HO UNP/1					

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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
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

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)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	339	86	83 lm/W

Operating and Electrical

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

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	2,305 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	1,980 kWh	87 mg

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