



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

Features

Application

Warnings and Safety

Versions

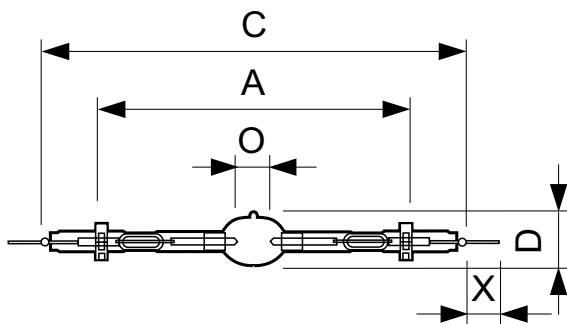
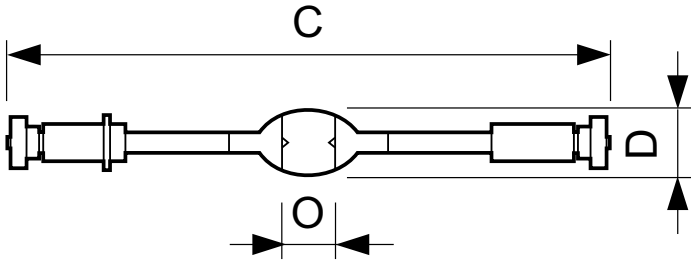


MHN-SA, (P)SFC

MHN-SA, X830R

Double-Ended Metal Halide

Dimensional drawing



Product

MASTER MHN-SA 1800W/956 (P)SFC 230V

Product

MASTER MHN-SA 2000W/956 400V XW HO UNP/1

Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

General Information

Operating Position P15

Light Technical

Chromaticity Coordinate X (Nom) 330

Color Code 956

Color Designation Daylight

Correlated Color Temperature (Nom) 5600 K

Mechanical and Housing

Bulb Finish Clear

Bulb Shape TD40

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/	Mercury (Hg)
		1000 h	Content (Nom)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	1980 kWh	92 mg
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	2305 kWh	215 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	17.3 A	130 V	110 V	120 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	11.8 A	220 V	185 V	205 V

Double-Ended Metal Halide

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	1800.0 W
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	2095.0 W

General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 10%	Life To 20%	Life To 50%
			Failures (Nom)	Failures (Nom)	Failures (Nom)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	(P)SFC	2000 h	3200 h	6100 h

Order Code	Full Product Name	Cap-Base	Life To 10%	Life To 20%	Life To 50%
			Failures (Nom)	Failures (Nom)	Failures (Nom)
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	X830R	2300 h	3000 h	5000 h

General Information (2/2)

Order Code	Full Product Name	Life To 5% Failures (Nom)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	1300 h
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	1700 h

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	980 °C
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	1015 °C

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 1000 h (Nom)	Lumen Maintenance 2000 h (Nom)
			86	95 %	91 %
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	339	86	95 %	91 %
928195105129	MASTER MHN-SA	366	81	96.5 %	92.5 %

Order Code	Full Product Name	Chromaticity Coordinate Y (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 1000 h (Nom)	Lumen Maintenance 2000 h (Nom)
			(Nom)	(Nom)	(Nom)
	2000W/956 400V XW HO UNP/1				

Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928078415130	MASTER MHN-SA 1800W/956 (P)SFC 230V	76 %	86 lm/W	155000 lm

Double-Ended Metal Halide

Order Code	Full Product Name	Lumen	Luminous	Luminous
		Maintenance	Efficacy (rated)	Flux (Rated)
		5000 h (Nom)	(Nom)	(Nom)
928195105129	MASTER MHN-SA 2000W/956 400V XW HO UNP/1	78 %	108 lm/W	226000 lm

