

MASTER MHN-SA

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

Compact quartz metal halide lamps with double-pinch

Product data

• General Information

Cap-Base	X830R [X830R]
Operating Position	P15 [Parallel +/-15D or Horizontal(HOR)]
Life To 5% Failures (Nom)	1000 h
Life To 10% Failures (Nom)	1400 h
Life To 20% Failures (Nom)	2100 h
Life To 50% Failures (Nom)	3700 h

• Light Technical

Color Code	956 [CCT of 5600K]
Luminous Flux (Rated) (Nom)	200000 lm
Color Designation	Daylight
Lumen Maintenance 1000 h (Nom)	88 %
Lumen Maintenance 2000 h (Nom)	79 %
Lumen Maintenance 5000 h (Nom)	70 %
Chromaticity Coordinate X (Nom)	330
Chromaticity Coordinate Y (Nom)	362
Correlated Color Temperature (Nom)	5600 K
Luminous Efficacy (rated) (Nom)	98 lm/W
Color Rendering Index (Nom)	90

• Operating and Electrical

Lamp supply voltage	400 V [400]
Power (Rated) (Nom)	2040.0 W
Lamp Current Run-Up (Max)	17 A
Lamp Current (EM) (Nom)	11.3 A
Ignition Supply Voltage (Min)	360 V
Voltage (Max)	220 V
Voltage (Min)	185 V
Voltage (Nom)	205 V

• Controls and Dimming

Dimmable	No

• Mechanical and Housing

Bulb Finish	Clear
Cap-Base Information	-

• Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	225 mg
Energy Consumption kWh/1000 h	2244 kWh

• UV

Specific Eff. Radiant Power	60 mW/klm

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- Luminaire Design Requirements

Bulb Temperature (Max)	980 °C
Pinch Temperature (Max)	300 °C

- Product Data

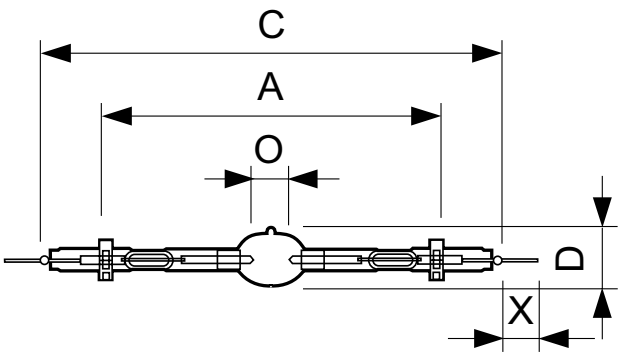
Full product code	871150020079200

Order product name	MASTER MHN-SA 2000W/956 400V XW UNP/1
EAN/UPC - Product	8718291548287
Order code	928099105129
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	928099105129
Net Weight (Piece)	110.000 g
ILCOS Code	MN-2000-E-X830R-/H

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.

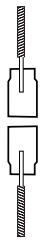
Dimensional drawing



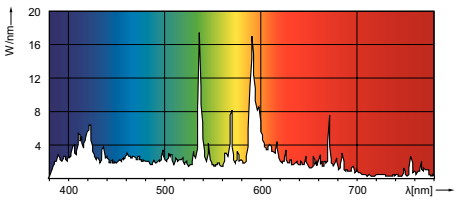
MHN-SA X830R

MHN-SA 2000W/956 400V XW

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



Photometric data



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