



MASTER MHN-SA

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

Compact quartz metal halide lamps with double-pinch

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.

Product data

General Information		Lamp Luminous Efficacy EM (Nom)	
Cap base	X830R [X830R]	Lamp Luminous Efficacy EM (Nom)	108 lm/W
Burning Position	P15 [Parallel +/-15D or Horizontal(HOR)]	Colour Rendering Index,horiz (Nom)	81
Life to 5% failures (nom.)	1700 h	Operating and Electrical	
Life to 10% failures (nom.)	2300 h	Lamp supply voltage	400 V [400]
Life to 20% failures (nom.)	3000 h	Power (Rated) (Nom)	2095.0 W
Life to 50% failures (nom.)	5000 h	Lamp current run-up (max.)	17 A
Light Technical		Lamp current (EM) (nom.)	11.8 A
Colour Code	956 [CCT of 5,600 K]	Ignition supply voltage (min.)	360 V
Lamp Luminous Flux (Nom)	226000 lm	Voltage (Max)	220 V
Colour Designation	Daylight	Voltage (Min)	185 V
Lumen maintenance 1,000 hours (nom.)	96.5 %	Voltage (Nom)	205 V
Lumen maintenance 2,000 hours (nom.)	92.5 %	Controls and Dimming	
Lumen maintenance 5,000 hours (nom.)	78 %	Dimmable	No
Chromaticity coordinate X (nom.)	330	Mechanical and Housing	
Chromaticity coordinate Y (nom.)	366	Lamp Finish	Clear
Colour Temperature, horizontal (Nom)	5600 K		

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Cap-base information	na [-]
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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	215 mg
Energy consumption kWh/1,000 hours	2305 kWh

UV

Specific eff. radiant power	60 mW/klm
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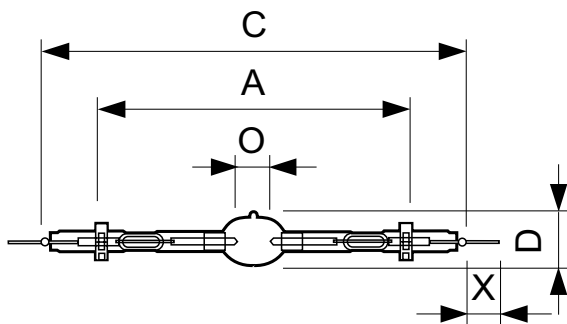
Luminaire Design Requirements

Bulb temperature (max.)	1015 °C
Pinch temperature (max.)	350 °C

Product Data

Full product code	871829124183600
Order product name	MASTER MHN-SA 2000W/956 400V XW HO UNP/1
EAN/UPC – product	8718291548423
Order code	928195105129
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	928195105129
SAP net weight (piece)	90.000 g

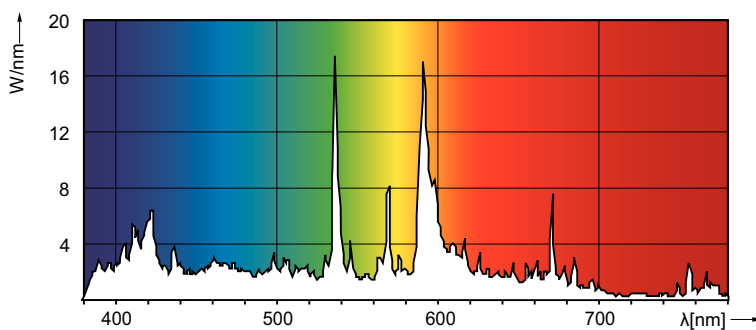
Dimensional drawing



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

MHN-SA 2000W/956 400V XW HO

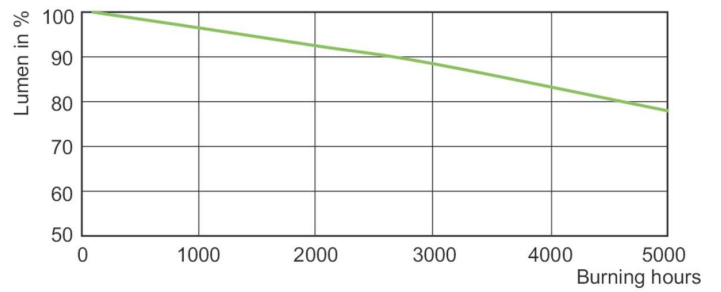
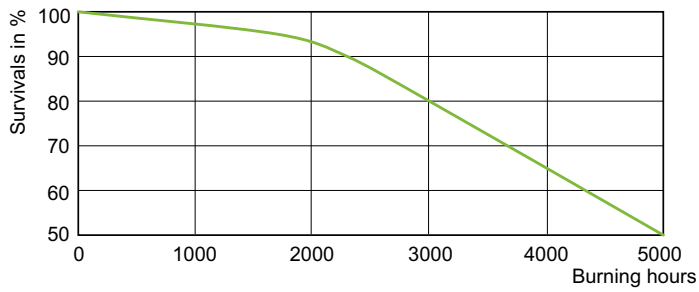
Photometric data



LDPO_MHN-SA_0004-Spectral power distribution Colour

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Lifetime



LDLE_MHN-SA_0006-Life expectancy diagram

LDLM_MHN-SA_0006-Lumen maintenance diagram

