

Lighting

PHILIPS

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)
- \cdot 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

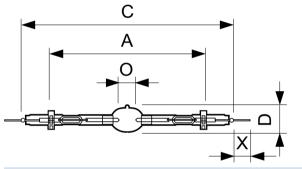
General Information		Luminous Efficacy (rated) (Nom)	108 lm/W
Cap-Base	X830R [X830R]	Color Rendering Index (Nom)	81
Operating Position	P15 [Parallel +/-15D or Horizontal(HOR)]		
Life to 5% Failures (Nom)	1700 h	Operating and Electrical	
Life To 10% Failures (Nom)	2300 h	Lamp supply voltage	400 V [400]
Life to 20% Failures (Nom)	3000 h	Power (Nom)	2095.0 W
Life to 50% Failures (Nom)	5000 h	Lamp Current Run-Up (Max)	17 A
		Lamp Current (EM) (Nom)	11.8 A
Light Technical		Ignition Supply Voltage (Min)	360 V
Color Code	956 [CCT of 5600K]	Voltage (Max)	220 V
Luminous Flux (Rated) (Nom)	226000 lm	Voltage (Min)	185 V
Color Designation	Daylight	Voltage (Nom)	205 V
Lumen Maintenance 1000 h (Nom)	96.5 %		
Lumen Maintenance 2000 h (Nom)	92.5 %	Controls and Dimming	
Lumen Maintenance 5000 h (Nom)	78 %	Dimmable	No
Chromaticity Coordinate X (Nom)	330		
Chromaticity Coordinate Y (Nom)	366	Mechanical and Housing	
Correlated Color Temperature (Nom) 5600 K		Bulb Finish	Clear

MASTER MHN-SA

Cap-Base Information	-			
Bulb Shape	TD40 [TD 40mm]			
Approval and Application				
Mercury (Hg) Content (Nom)	215 mg			
Energy Consumption kWh/1000 h	2305 kWh			
UV				
Specific Eff. Radiant Power	60 mW/klm			
Luminaire Design Requirements				
Bulb Temperature (Max)	1015 °C			
Pinch Temperature (Max)	350 °C			

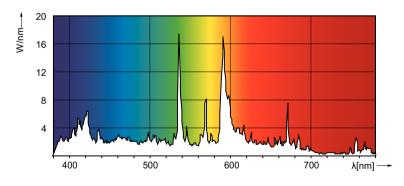
Product Data				
Full product code	871829124183600			
Order product name	MASTER MHN-SA 2000W/956 400V XW HO			
	UNP/1			
EAN/UPC - Product	8718291548423			
Order code	928195105129			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	1			
Material Nr. (12NC)	928195105129			
Net Weight (Piece)	90.000 g			

Dimensional drawing



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

Photometric data

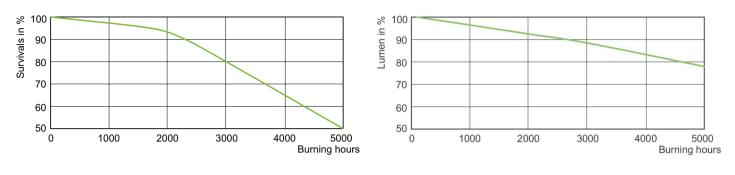


LDPO_MHN-SA_0004-Spectral power distribution Colour

Product	D (max)	0	х	А	C (max)
MASTER MHN-SA 2000W/956	41 mm	25 mm	34 mm	226 mm	369 mm
400V XW HO UNP/1					

MASTER MHN-SA

Lifetime



LDLE_MHN-SA_0006-Life expectancy diagram

LDLM_MHN-SA_0006-Lumen maintenance diagram



© 2022 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2022, January 14 - data subject to change