

# PHILIPS

## Lighting



# MASTER MHN-SA

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

Compact quartz metal halide lamps with double-pin

### 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	
Cap base	X830R [ X830R]
Burning Position	P15 [ Parallel +/-15D or Horizontal(HOR)]
Life to 5% failures (nom.)	1700 h
Life to 10% failures (nom.)	2300 h
Life to 20% failures (nom.)	3000 h
Life to 50% failures (nom.)	5000 h

Light technical	
Colour Code	956 [ CCT of 5,600 K]
Lamp Luminous Flux (Nom)	226000 lm
Colour Designation	Daylight
Lumen maintenance 1,000 hours (nom.)	96.5 %
Lumen maintenance 2,000 hours (nom.)	92.5 %
Lumen maintenance 5,000 hours (nom.)	78 %
Chromaticity coordinate X (nom.)	330
Chromaticity coordinate Y (nom.)	366
Colour Temperature, horizontal (Nom)	5600 K

Lamp Luminous Efficacy EM (Nom)	108 lm/W
Colour Rendering Index,horiz (Nom)	81

Operating and electrical	
Lamp supply voltage	400 V [ 400]
Power (Rated) (Nom)	2095.0 W
Lamp current run-up (max.)	17 A
Lamp current (EM) (nom.)	11.8 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	
Lamp Finish	Clear

# MASTER MHN-SA

Cap-base information	na [ - ]
Bulb shape	TD40 [ TD 40mm ]

## Approval and application

Mercury (Hg) content (nom.)	215 mg
Energy consumption kWh/1,000 hours	2305 kWh

## UV

Specific eff. radiant power	60 mW/klm
-----------------------------	-----------

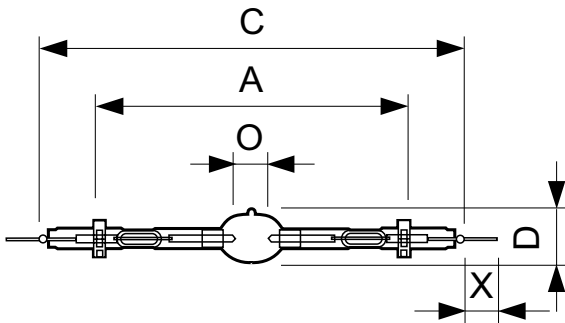
## Luminaire design requirements

Bulb temperature (max.)	1015 °C
Pinch temperature (max.)	350 °C
Pinch Temperature (Max)-DUP(do not use)	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
Local code description	MASTER MHN-SA 2000W/956 400V XW HO
Numerator – packs per outer box	1
SAP material	928195105129
Net Weight (Piece)	90.000 g

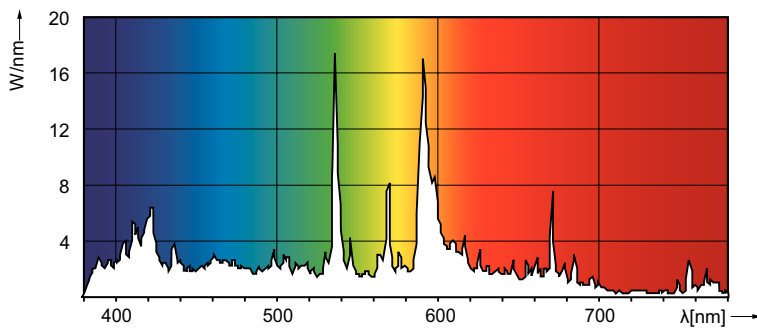
## Dimensional drawing



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

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

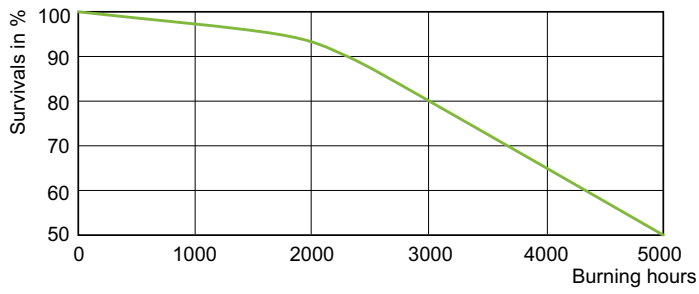
## Photometric data



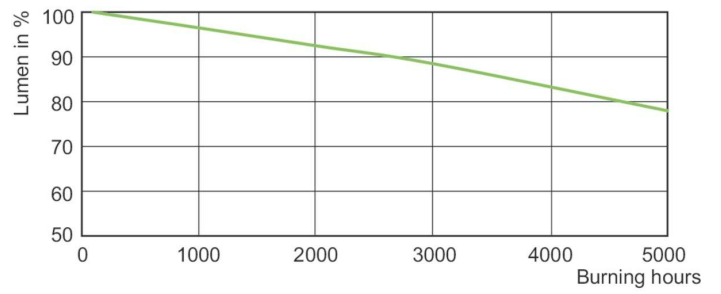
LDPO\_MHN-SA\_0004-Spectral power distribution Colour

# MASTER MHN-SA

## Lifetime



LDLE\_MHN-SA\_0006-Life expectancy diagram



LDLM\_MHN-SA\_0006-Lumen maintenance diagram

