



# MASTER MHN-SA

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

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	
Cap base	(P)SFC [ (P)SFC]
Operating position	P15 [ Parallel +/-15D or Horizontal(HOR)]
Life to 5% failures (nom.)	1300 h
Life to 10% failures (nom.)	2000 h
Life to 20% failures (nom.)	3200 h
Life to 50% failures (nom.)	6100 h
Light Technical	
Colour Code	956 [ CCT of 5,600 K]
Luminous flux (rated) (nom.)	155000 lm
Colour designation	Daylight
Lumen maintenance 1,000 hours (nom.)	95 %
Lumen maintenance 2,000 hours (nom.)	91 %
Lumen maintenance 5,000 hours (nom.)	76 %
Chromaticity coordinate X (nom.)	330
Chromaticity coordinate Y (nom.)	339
Correlated Colour Temperature (Nom)	5600 K
Luminous efficacy (rated) (nom.)	86 lm/W

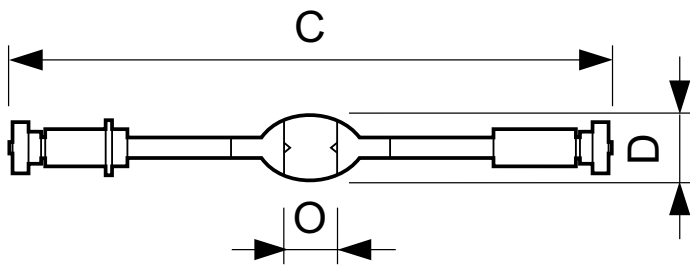
Colour rendering index (nom.)	86
Operating and Electrical	
Lamp supply voltage	230 V [ 230]
Power (Rated) (Nom)	1800.0 W
Lamp current run-up (max.)	25 A
Lamp current (EM) (nom.)	17.3 A
Ignition supply voltage (min.)	198 V
Voltage (Max)	130 V
Voltage (Min)	110 V
Voltage (Nom)	120 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Cap-base information	20-6

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Bulb shape	TD40 [ TD 40mm]
<b>Approval and Application</b>	
Mercury (Hg) content (nom.)	92 mg
Energy consumption kWh/1,000 hours	1980 kWh
<b>Luminaire Design Requirements</b>	
Bulb temperature (max.)	980 °C
Pinch temperature (max.)	300 °C
<b>Product Data</b>	
Full product code	871150020075400

Order product name	MASTER MHN-SA 1800W/956 (P)SFC 230V
EAN/UPC – product	8718291548263
Order code	20075400
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	928078415130
SAP net weight (piece)	0.219 kg
ILCOS code	MN-1800-H-PSFc20=6-/H

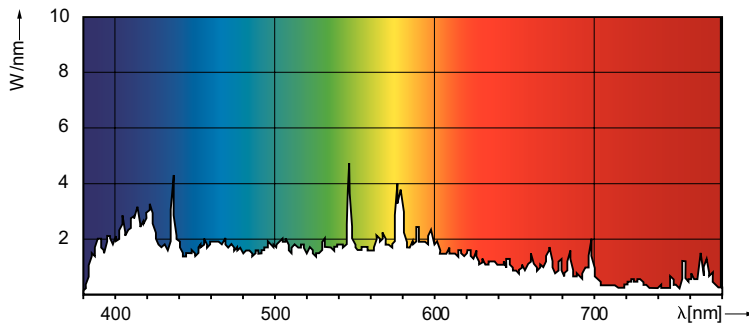
## Dimensional drawing



Product	D (max)	O	C (max)
MASTER MHN-SA 1800W/956 (P)SFC 230V	41 mm	25 mm	364 mm

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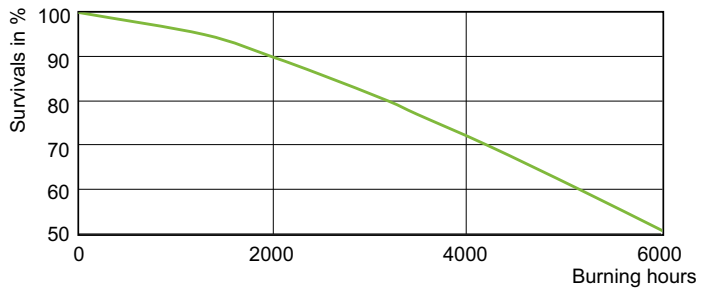
## Photometric data



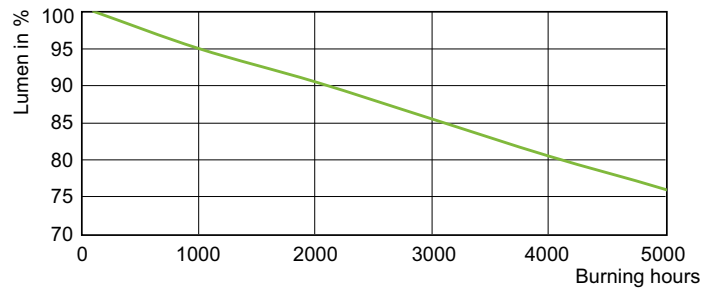
LDPO\_MHN-SA\_1800W\_230V-Spectral power distribution Colour

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## Lifetime



LDLE\_MHN-SA\_0004-Life expectancy diagram



LDLM\_MHN-SA\_0004-Lumen maintenance diagram

