



MASTER MHN-SA

MASTER MHN-SA 1800W/956 (P)SFC 400V

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	(P)SFC [(P)SFC]
Burning Position	P15 [Parallel +/-15D or Horizontal(HOR)]
Life to 5% failures (nom.)	1700 h
Life to 10% failures (nom.)	2400 h
Life to 20% failures (nom.)	3600 h
Life to 50% failures (nom.)	6100 h
Light Technical	
Colour Code	956 [CCT of 5,600 K]
Lamp Luminous Flux (Nom)	160000 lm
Colour Designation	Daylight
Lumen maintenance 1,000 hours (nom.)	90 %
Lumen maintenance 2,000 hours (nom.)	81 %
Lumen maintenance 5,000 hours (nom.)	71 %
Chromaticity coordinate X (nom.)	330
Chromaticity coordinate Y (nom.)	339
Colour Temperature, horizontal (Nom)	5600 K
Lamp Luminous Efficacy EM (Nom)	86 lm/W

Colour Rendering Index,horiz (Nom)	86
Operating and Electrical	
Lamp supply voltage	400 V [400]
Power (Rated) (Nom)	1850.0 W
Lamp current run-up (max.)	15 A
Lamp current (EM) (nom.)	10.5 A
Ignition supply voltage (min.)	342 V
Voltage (Max)	220 V
Voltage (Min)	185 V
Voltage (Nom)	205 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Cap-base information	20-6

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Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	250 mg
Energy consumption kWh/1,000 hours	2035 kWh

Luminaire Design Requirements

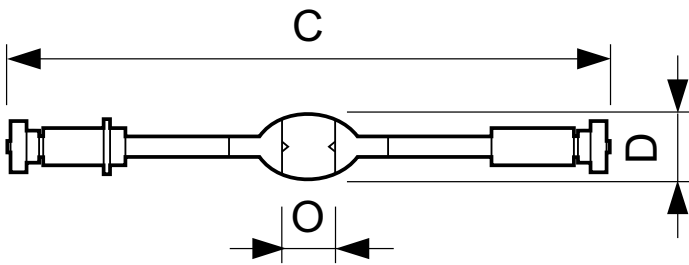
Bulb temperature (max.)	980 °C
Pinch temperature (max.)	300 °C

Product Data

Full product code	871150020076100
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Order product name	MASTER MHN-SA 1800W/956 (P)SFC 400V
EAN/UPC – product	8718291548270
Order code	928079315130
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	928079315130
SAP net weight (piece)	0.220 kg
ILCOS code	MN-1800-E-PSFc20=6-/H

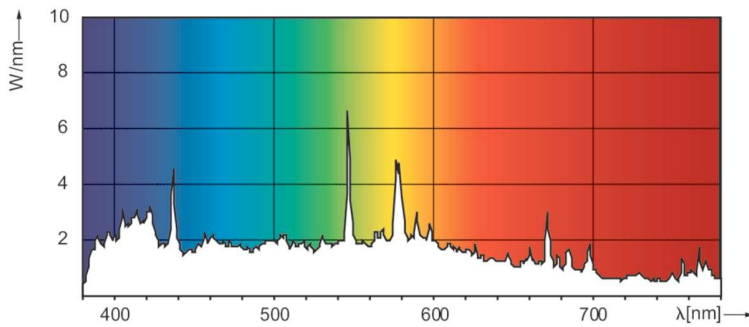
Dimensional drawing



Product	D (max)	O	C (max)
MASTER MHN-SA 1800W/956 (P)SFC 400V	41 mm	25 mm	364 mm

MHN-SA 1800W/956 (P)SFC/20-6 400V

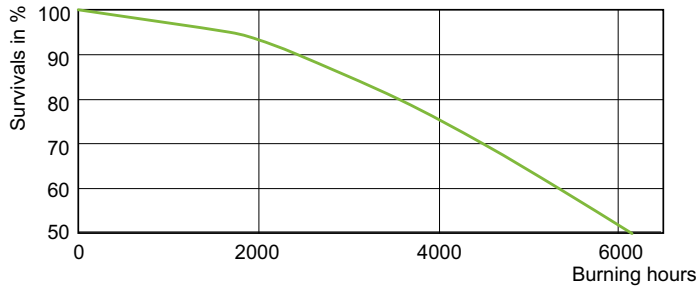
Photometric data



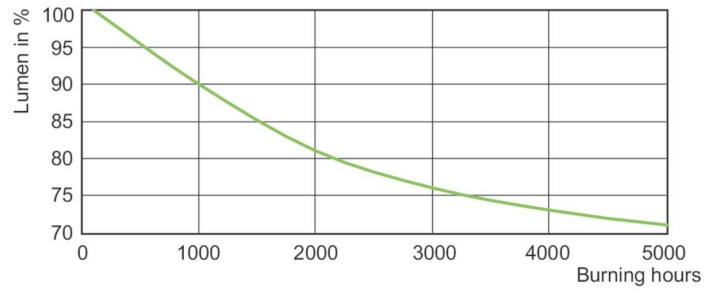
LDPO_MHN-SA_0002-Spectral power distribution Colour

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Lifetime



LDLE_MHN-SA_0003-Life expectancy diagram



LDLM_MHN-SA_0003-Lumen maintenance diagram

