



MASTER MHN-SB

MASTER MHN-SB 2000W/956 400V K12s-7 WH HO

Compact quartz metal halide lamp with single 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	CABLE [Cable]
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.)	4500 h

Light Technical

Colour Code	956 [CCT of 5,600 K]
Lamp Luminous Flux (Min)	215000 lm
Lamp Luminous Flux (Nom)	220000 lm
Colour Designation	Daylight
Lumen maintenance 1,000 hours (nom.)	95 %
Lumen maintenance 2,000 hours (nom.)	91 %
Chromaticity coordinate X (nom.)	334
Chromaticity coordinate Y (nom.)	366
Colour Temperature, horizontal (Nom)	5600 K

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

Operating and Electrical

Lamp supply voltage	400 V [400]
Power (Rated) (Nom)	2070.0 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
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Mechanical and Housing

Lamp Finish	Clear
Cap-base information	na [-]

Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	215 mg
Energy consumption kWh/1,000 hours	2277 kWh

UV

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

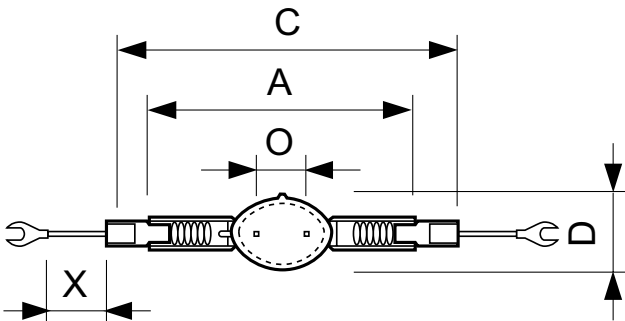
Bulb temperature (max.)	1015 °C
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Pinch temperature (max.)	450 °C
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Product Data

Full product code	872790092860000
Order product name	MASTER MHN-SB 2000W/956 400V K12s-7 WH HO
EAN/UPC – product	8718291548454
Order code	928196805130
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12 NC)	928196805130
SAP net weight (piece)	0.058 kg

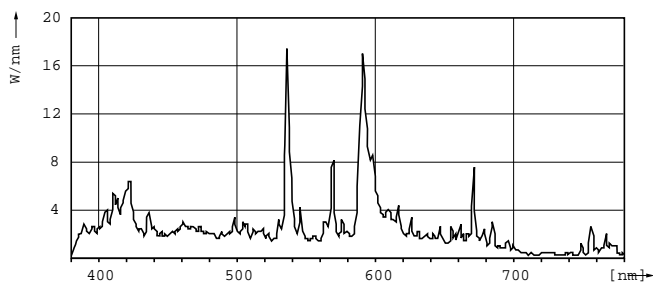
Dimensional drawing



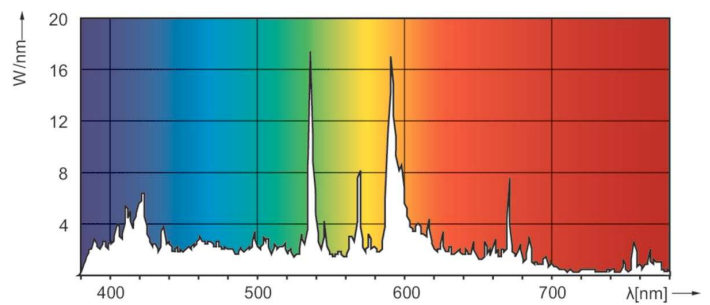
MHN-SB 2000W/956 400V K12s-7 WH HO

Product	D (max)	O	X	A	C (max)
MASTER MHN-SB 2000W/956 400V K12s-7 WH HO	41 mm	25 mm	50 mm	157 mm	188 mm

Photometric data



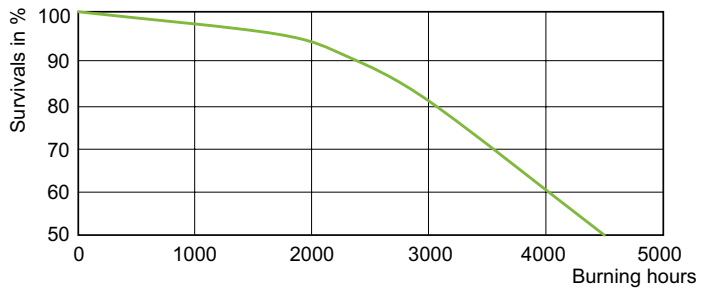
MHN-SB 2000W /956



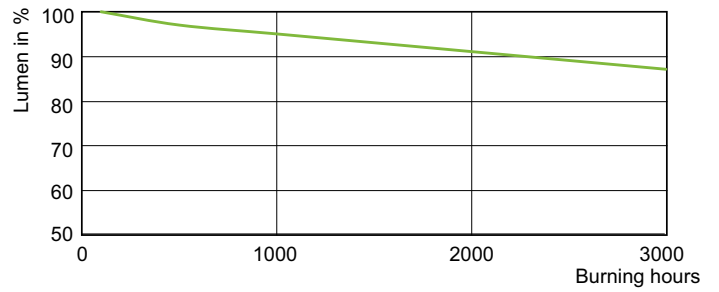
LDPO_MHN-SB_2000W_956-Spectral power distribution Colour

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Lifetime



LDLE_MHN-SB_0002-Life expectancy diagram



LDLM_MHN-SB_0002-Lumen maintenance diagram

