



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]
Operating 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	
Color Code	956 [CCT of 5600K]
Luminous Flux (Rated) (Min)	215000 lm
Luminous Flux (Rated) (Nom)	220000 lm
Color Designation	Daylight
Lumen Maintenance 1000 h (Nom)	95 %
Lumen Maintenance 2000 h (Nom)	91 %
Chromaticity Coordinate X (Nom)	334
Chromaticity Coordinate Y (Nom)	366
Correlated Color Temperature (Nom)	5600 K

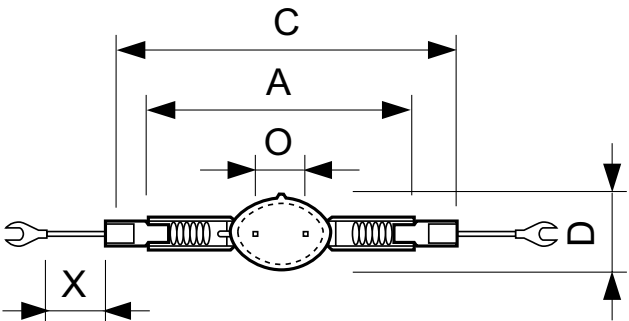
Luminous Efficacy (rated) (Nom)	108 lm/W
Color Rendering Index (Min)	-
Color Rendering Index (Nom)	81
Operating and electrical	
Lamp supply voltage	400 V [400]
Power (Nom)	2070.0 W
Lamp Current Run-Up (Max)	17 A
Lamp Current (EM) (Nom)	11.8 A
Ignition Supply Voltage (Min)	360 V
Voltage (Max)	220 V
Voltage (Min)	185 V
Voltage (Nom)	205 V
Controls and dimming	
Dimmable	No

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Mechanical and housing	
Bulb Finish	Clear
Cap-Base Information	-
Bulb Shape	TD40 [TD 40mm]
Approval and application	
Mercury (Hg) Content (Nom)	215 mg
Energy Consumption kWh/1000 h	2277 kWh
UV	
Specific Eff. Radiant Power	60 mW/klm
Luminaire design requirements	
Bulb Temperature (Max)	1015 °C

Pinch Temperature (Max)	450 °C
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
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	928196805130
Net Weight (Piece)	0.058 kg

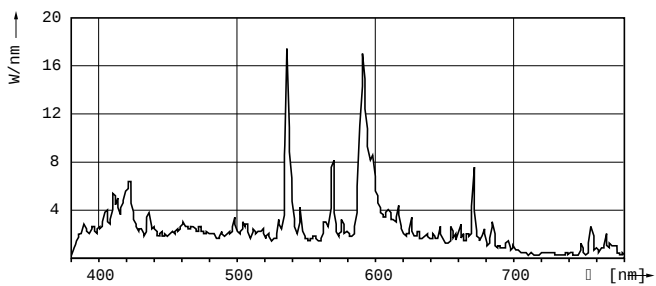
Dimensional drawing



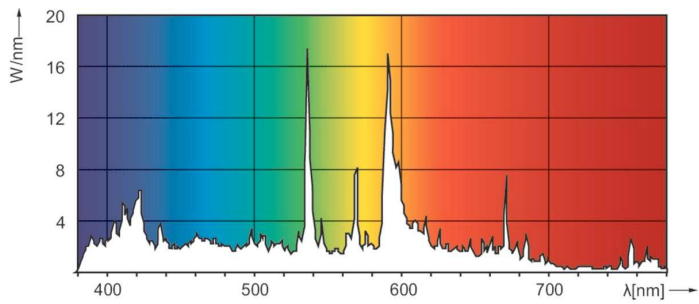
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Product	D (max)	O	X	A	C (max)
MASTER MHN-SB 2000W/956 400V K12s-7 WH HO	41 mm	25 mm	50 mm	157 mm	188 mm

Photometric data



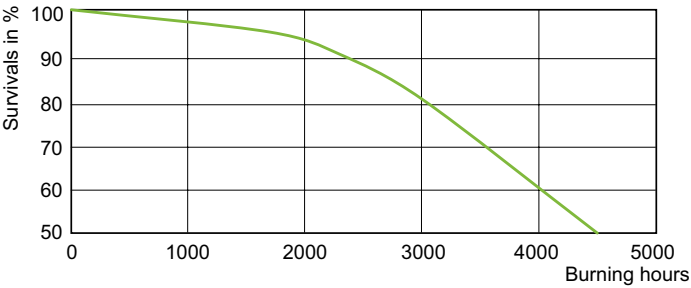
LDPB_MHN-SB_2000W_956-Spectral power distribution B/W



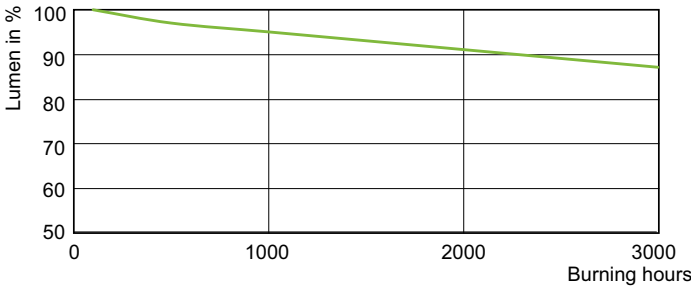
LDPO_MHN-SB_2000W_956-Spectral power distribution Colour

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Lifetime



LDLE_MHN-SB_0002-Life expectancy diagram



LDLM_MHN-SB_0002-Lumen maintenance diagram

