



MASTER MHN-LA

MASTER MHN-LA 1000W/842 230V XWH

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		Color Rendering Index (Nom)	
Cap-Base	X528 [X528]		70
Operating Position	P5 [Parallel +/-5D or Horizontal(HOR)]	Operating and Electrical	
Life to 5% Failures (Nom)	6000 h	Lamp supply voltage	230 V [230]
Life To 10% Failures (Nom)	8000 h	Power (Nom)	1040.0 W
Life to 20% Failures (Nom)	10000 h	Lamp Current Run-Up (Max)	15 A
Life to 50% Failures (Nom)	15000 h	Lamp Current (EM) (Nom)	9.3 A
Light Technical		Ignition Supply Voltage (Min)	198 V
Color Code	842 [CCT of 4200K]	Voltage (Max)	140 V
Luminous Flux (Rated) (Min)	85800 lm	Voltage (Min)	110 V
Luminous Flux (Rated) (Nom)	95800 lm	Voltage (Nom)	125 V
Color Designation	Cool White (CW)	Controls and Dimming	
Lumen Maintenance 1000 h (Nom)	90 %	Dimmable	No
Lumen Maintenance 2000 h (Nom)	80 %	Mechanical and Housing	
Chromaticity Coordinate X (Nom)	366	Bulb Finish	Clear
Chromaticity Coordinate Y (Nom)	370	Cap-Base Information	Cable
Correlated Color Temperature (Nom)	4200 K		
Luminous Efficacy (rated) (Nom)	92.00 lm/W		

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Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	112 mg
Energy Consumption kWh/1000 h	1144 kWh

UV

Specific Eff. Radiant Power	265 mW/klm
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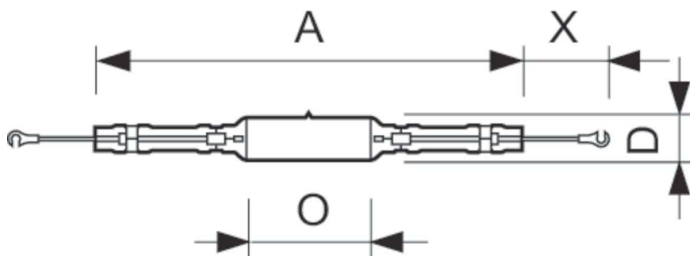
Luminaire Design Requirements

Bulb Temperature (Max)	920 °C
Pinch Temperature (Max)	350 °C

Product Data

Full product code	871150020078500
Order product name	MASTER MHN-LA 1000W/842 230V XWH
EAN/UPC - Product	8718291548232
Order code	928073005130
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	928073005130
Net Weight (Piece)	141.000 g
ILCOS Code	MN-1000-E-K-/H

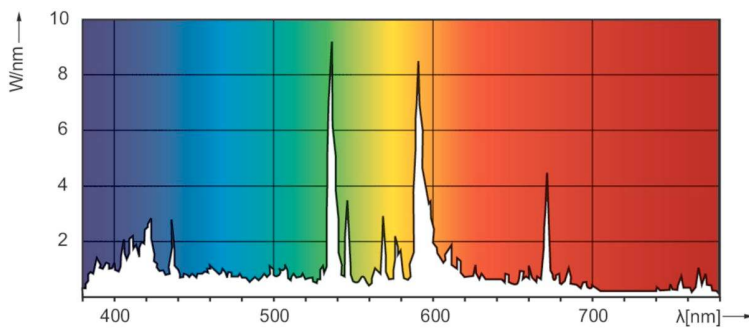
Dimensional drawing



Product	D (max)	O	X	A
MASTER MHN-LA 1000W/842 230V XWH	40 mm	40.5 mm	35 mm	286 mm

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Photometric data



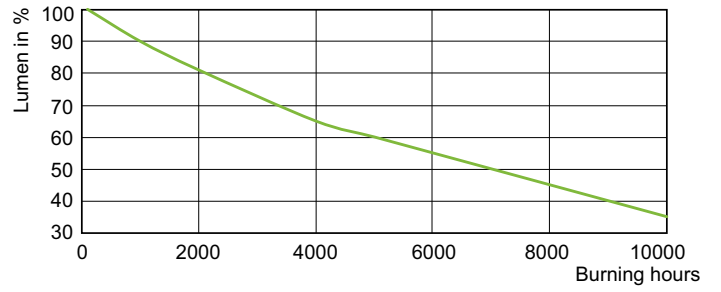
LDPO_MHN-LA_0001-Spectral power distribution Colour

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Lifetime



LDLE_MHN-LA_0001-Life expectancy diagram



LDLM_MHN-LA_0001-Lumen maintenance diagram

