



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	
Cap base	X528 [X528]
Burning Position	P5 [Parallel +/-5D or Horizontal(HOR)]
Life to 5% failures (nom.)	6000 h
Life to 10% failures (nom.)	8000 h
Life to 20% failures (nom.)	10000 h
Life to 50% failures (nom.)	15000 h
Light Technical	
Colour Code	842 [CCT of 4,200 K]
Lamp Luminous Flux (Min)	85800 lm
Lamp Luminous Flux (Nom)	95800 lm
Colour Designation	Cool White (CW)
Lumen maintenance 1,000 hours (nom.)	90 %
Lumen maintenance 2,000 hours (nom.)	80 %
Chromaticity coordinate X (nom.)	366
Chromaticity coordinate Y (nom.)	370
Colour Temperature, horizontal (Nom)	4200 K
Lamp Luminous Efficacy EM (Nom)	92.00 lm/W

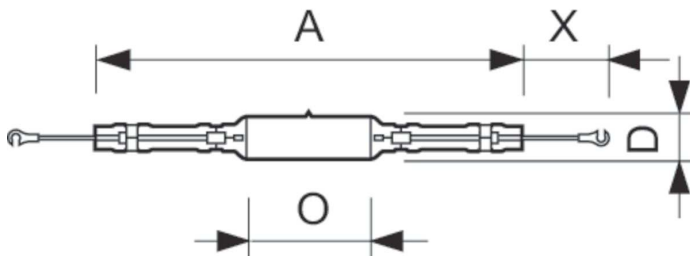
Colour Rendering Index,horiz (Nom)	70
Operating and Electrical	
Lamp supply voltage	230 V [230]
Power (Rated) (Nom)	1040.0 W
Lamp current run-up (max.)	15 A
Lamp current (EM) (nom.)	9.3 A
Ignition supply voltage (min.)	198 V
Voltage (Max)	140 V
Voltage (Min)	110 V
Voltage (Nom)	125 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Cap-base information	Cable (C)

MASTER MHN-LA

Bulb shape	TD40 [TD 40mm]
Approval and Application	
Mercury (Hg) content (nom.)	112 mg
Energy consumption kWh/1,000 hours	1144 kWh
UV	
Specific eff. radiant power	265 mW/klm
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
Local order code	MHNLA1000W230V
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	928073005130
SAP net weight (piece)	141.000 g
ILCOS code	MN-1000-E-K-/H

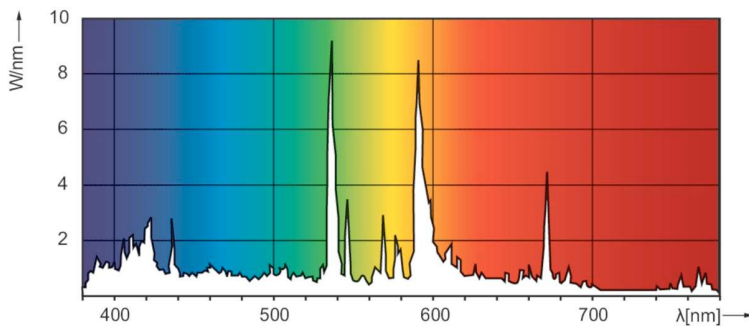
Dimensional drawing



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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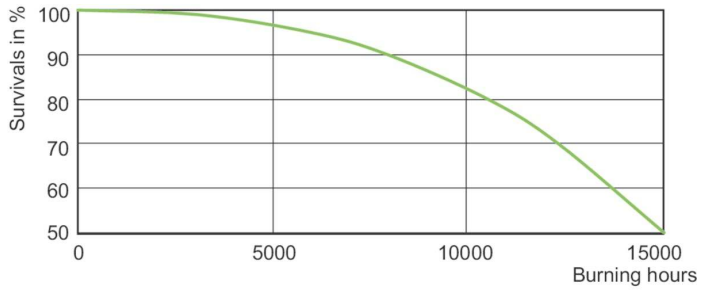
Photometric data



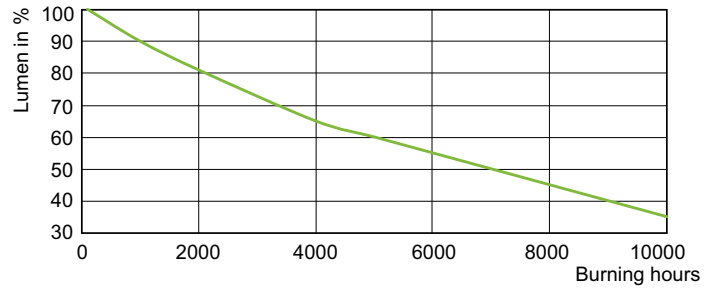
LDPO_MHN-LA_0001-Spectral power distribution Colour

MASTER MHN-LA

Lifetime



LDLE_MHN-LA_0001-Life expectancy diagram



LDLM_MHN-LA_0001-Lumen maintenance diagram

