



PHILIPS

Lighting



MASTER MHN-LA

MASTER MHN-LA 2000W/842 400V 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		Correlated Color Temperature (Nom)	
Cap-Base	X528 [X528]		4200 K
Operating Position	P5 [Parallel +/-5D or Horizontal(HOR)]	Luminous Efficacy (rated) (Nom)	105 lm/W
Life to 5% Failures (Nom)	4500 h	Color Rendering Index (Nom)	72
Life To 10% Failures (Nom)	6000 h	Operating and electrical	
Life to 20% Failures (Nom)	8500 h	Lamp supply voltage	400 V [400]
Life to 50% Failures (Nom)	13000 h	Power (Nom)	2040.0 W
Light technical		Lamp Current Run-Up (Max)	15 A
Color Code	842 [CCT of 4200K]	Lamp Current (EM) (Nom)	9.6 A
Luminous Flux (Rated) (Min)	193000 lm	Ignition Supply Voltage (Min)	342 V
Luminous Flux (Rated) (Nom)	214000 lm	Voltage (Max)	245 V
Color Designation	Cool White (CW)	Voltage (Min)	220 V
Lumen Maintenance 1000 h (Nom)	94 %	Voltage (Nom)	235 V
Lumen Maintenance 10000 h (Nom)	63 %	Controls and dimming	
Lumen Maintenance 2000 h (Nom)	89 %	Dimmable	No
Lumen Maintenance 5000 h (Nom)	76 %	Mechanical and housing	
Chromaticity Coordinate X (Nom)	370	Bulb Finish	Clear
Chromaticity Coordinate Y (Nom)	370		

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Cap-Base Information	Cable
Bulb Shape	TD40 [TD 40mm]

Approval and application

Mercury (Hg) Content (Nom)	194 mg
Energy Consumption kWh/1000 h	2244 kWh

UV

Specific Eff. Radiant Power	280 mW/klm
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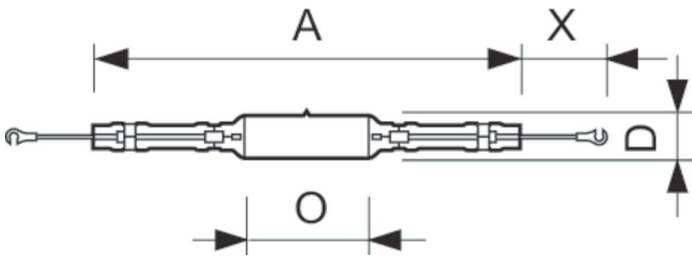
Luminaire design requirements

Bulb Temperature (Max)	920 °C
Pinch Temperature (Max)	350 °C
Pinch Temperature (Max)-DUP(do not use)	350 °C

Product data

Full product code	871150020074700
Order product name	MASTER MHN-LA 2000W/842 400V XWH
EAN/UPC - Product	8718291548201
Order code	928071305130
Numerator - Quantity Per Pack	1
Local code description	3858360
Numerator - Packs per outer box	1
Material Nr. (12NC)	928071305130
Net Weight (Piece)	172.000 g
ILCOS Code	MN-2000-E-K-/H

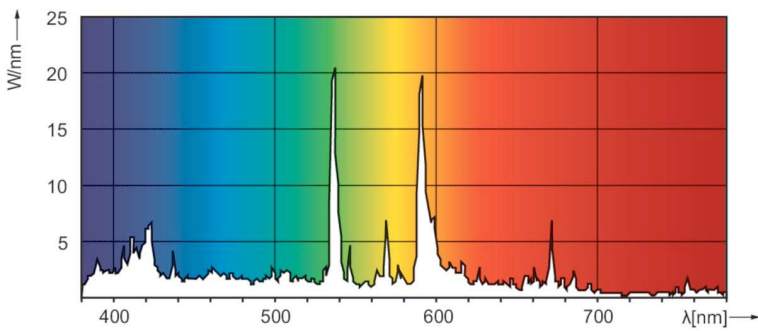
Dimensional drawing



Product	D (max)	O	X	A
MASTER MHN-LA 2000W/842 400V XWH	40 mm	108 mm	58 mm	353 mm

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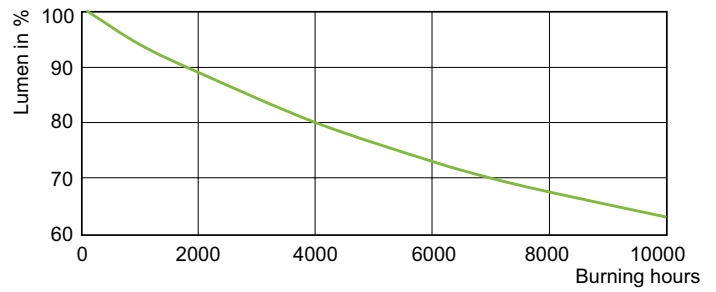
Photometric data



LDPO_MHN-LA_0002-Spectral power distribution Colour

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Lifetime



LDLE_MHN-LA_0002-Life expectancy diagram

LDLM_MHN-LA_0002-Lumen maintenance diagram

