

MASTER MHN-LA

MASTER MHN-LA 2000W/842 400V XWH

Compact quartz metal halide lamps with double-pinch

Product data

• General Information

Cap-Base	X528 [X528]
Operating Position	P5 [Parallel +/-5D or Horizontal(HOR)]
Life To 5% Failures (Nom)	4500 h
Life To 10% Failures (Nom)	6000 h
Life To 20% Failures (Nom)	8500 h
Life To 50% Failures (Nom)	13000 h

• Light Technical

Colour Code	842 [CCT of 4200K]
Luminous Flux (Rated) (Min)	200000 lm
Luminous Flux (Rated) (Nom)	220000 lm
Colour Designation	Cool White (CW)
Lumen Maintenance 1000 h (Nom)	94 %
Lumen Maintenance 10000 h (Nom)	63 %
Lumen Maintenance 2000 h (Nom)	89 %
Lumen Maintenance 5000 h (Nom)	76 %
Chromaticity Coordinate X (Nom)	370
Chromaticity Coordinate Y (Nom)	370
Colour Temperature, horizontal (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	108 lm/W
Colour Rendering Index horiz (Nom)	72

• Operating and Electrical

Lamp supply voltage	400 V [400]
Power (Rated) (Nom)	2040.0 W
Lamp Current Run-Up (Max)	15 A
Lamp Current (EM) (Nom)	9.6 A
Ignition Supply Voltage (Min)	342 V
Voltage (Max)	245 V
Voltage (Min)	220 V
Voltage (Nom)	235 V

• Controls and Dimming

Dimmable	No

• Mechanical and Housing

Bulb Finish	Clear (CL)
Cap-Base Information	Cable (C)

• Approval and Application

Energy Efficiency Label	A+
Mercury (Hg) Content (Nom)	185 mg
Energy Consumption kWh/1000 h	2244 kWh

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MASTER MHN-LA

- UV

Specific Eff. Radiant Power	280 mW/klm

- Luminaire Design Requirements

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

- Product Data

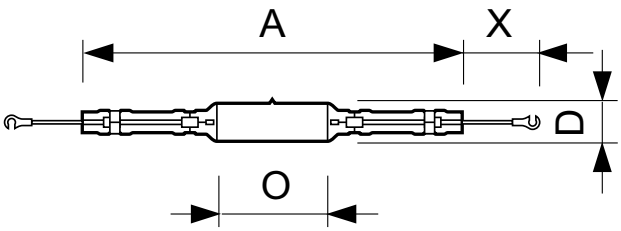
Full product code	871150020074700

Order product name	MASTER MHN-LA 2000W/842 400V XWH
EAN/UPC - Product	8718291548201
Order code	20074700
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	928071305130
Net Weight (Piece)	172.000 g
ILCOS Code	MN-2000-E-K-/H

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.

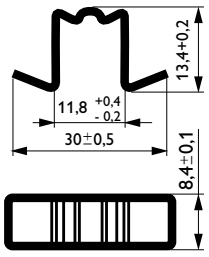
Dimensional drawing



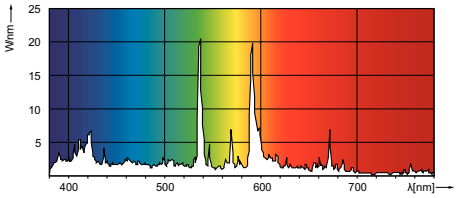
MHN-LA, 1000W/2000W

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



Photometric data



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