



# MASTER MHN-LA

MASTER MHN-LA 2000W/842 400V XWH

Compact quartz metal halide lamps with double-pin

## Product data

### • General Characteristics

Cap-Base	X528
Cap-Base Information	Cable
Bulb	TD40 [TD 40mm]
Bulb Finish	Clear
Operating Position	p5 [Parallel +/-5D or Horizontal(HOR)]
Life to 5% failures	4500 hr
Life to 10% failures	6000 hr
Life to 20% failures	8500 hr
Life to 50% failures	13000 hr

### • Light Technical Characteristics

Color Code	842 [CCT of 4200K]
Color Rendering Index	80 Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Color Temperature Technical	4200 K
Luminous Flux Lamp EM	220000 Lm
Luminous Efficacy Lamp EM	108 Lm/W
Lumen Maintenance 1000h	94 %
Lumen Maintenance 2000h	89 %
Lumen Maintenance 5000h	76 %
Lumen Maintenance 10000h	63 %
Luminance Average EM	1500 cd/cm <sup>2</sup>

Chromaticity Coordinate X	370 -
Chromaticity Coordinate Y	370 -

### • Electrical Characteristics

Lamp Wattage	2000 W
Lamp Wattage EM	2040 W
Voltage	400 V
Lamp Voltage	235 V
Lamp Current EM	9.6 A
Dimmable	No

### • Environmental Characteristics

Mercury (Hg) Content	185 mg
----------------------	--------

### • UV-related Characteristics

Specific Eff. Radiant Power	280 mW/klm
-----------------------------	------------

### • Luminaire Design Requirements

Pinch Temperature	350 (max) C
Bulb Temperature	920 (max) C

### • Product Dimensions

Base Face to Base Face A	364 mm
Overall Length C	356.5 (max) mm
Diameter D	40 (max) mm
Light Center Length L	145 mm

**PHILIPS**

# MASTER MHN-LA

Arc Length O 108 mm  
Cable Length X 58 mm

## • Product Data

Order code 928071305130  
Full product code 928071305130  
Full product name MASTER MHN-LA 2000W/842 400V XWH  
Order product name MASTER MHN-LA 2000W/842 400V XWH

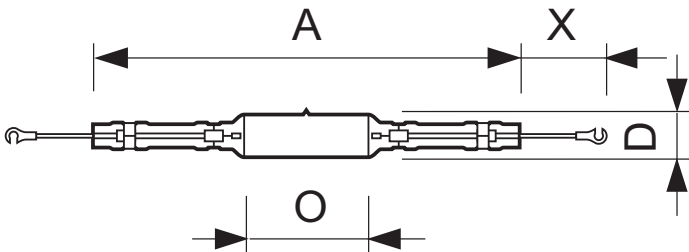
Pieces per pack 1  
Packing configuration 1  
Packs per outerbox 1  
Bar code on pack - EAN1 8718291548201  
Bar code on outerbox - EAN3 8711500200747  
Logistic code(s) - 12NC 928071305130  
ILCOS code MN-2000-E-K-/H  
Net weight per piece 0.172 kg

## 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

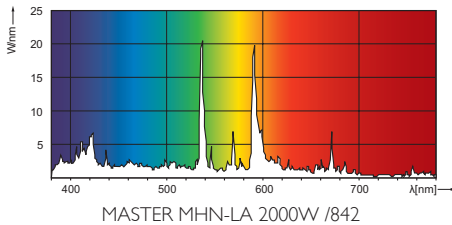
## Dimensional drawing



### MASTER MHN-LA 2000W/842 400V XWH

Product	A (Norm)	D (Max)	O (Norm)	X (Norm)
MHN-LA 2000W/842 400V XWH	364	40	108	58

## Photometric data





© 2013 Koninklijke Philips N.V. (Royal Philips)  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2013, June 25  
data subject to change