



MASTER MHN-LA

MASTER MHN-LA 2000W/842 400V XWH

Compact quartz metal halide lamps with double-pinches

Product data

• General Characteristics

Cap-Base	X528
Cap-Base Information	Cable
Bulb	TD40 [TD 40mm]
Bulb Finish	Clear
Burning 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

Colour Code	842 [CCT of 4200K]
Colour Rendering Index	80 Ra8
Colour Designation	Cool White
Colour Temperature	4200 K
Colour Temperature Technical	4200 K
Lamp Luminous Flux EM	220000 Lm
Lamp Luminous Efficacy EM	108 Lm/W
Lumen Maintenance 1000h	94 %
Lumen Maintenance 2000h	89 %
Lumen Maintenance 5000h	76 %
Lumen Maintenance 10000h	63 %
Average Luminance EM	1500 cd/cm ²
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
Arc Length O	108 mm
Cable Length X	58 mm

PHILIPS

MASTER MHN-LA

• Product Data

Order code 200747 00
Full product code 871150020074700
Full product name MASTER MHN-LA 2000W/842 400V XWH
Order product name MASTER MHN-LA 2000W/842 400V XWH
Pieces per pack 1

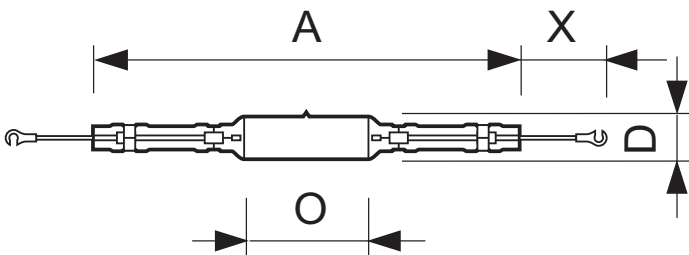
Packing configuration 1
Packs per outerbox 1
Bar code on pack - EAN1 8718291548201
Bar code on outerbox - EAN3 8711500200747
Logistic code(s) - 12NC 928071305130
ILCOS code MN-2000-E-K-/H
Net weight per piece 0.172 kg

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

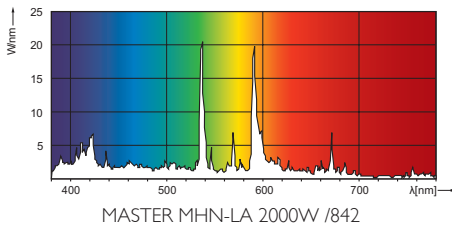
Dimensional drawing



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

2013, June 21
data subject to change