

Lighting

PHILIPS

MASTER MHN-LA

MASTER MHN-LA 2000W/842 400V XWH

Compact quartz metal halide lamps with double-pinch

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- \cdot 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)	4200 K	
Cap-Base	X528 [X528]	Luminous Efficacy (rated) (Nom)	105 lm/W	
Operating Position	P5 [Parallel +/-5D or Horizontal(HOR)]	Color Rendering Index (Nom)	72	
Life to 5% Failures (Nom)	4500 h			
Life To 10% Failures (Nom)	6000 h	Operating and electrical	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		
		Lamp Current Run-Up (Max)	15 A	
Light technical		Lamp Current (EM) (Nom)	9.6 A	
Color Code	842 [CCT of 4200K]	Ignition Supply Voltage (Min)	342 V	
Luminous Flux (Rated) (Min)	193000 lm	Voltage (Max)	245 V	
Luminous Flux (Rated) (Nom)	214000 lm	Voltage (Min)	220 V	
Color Designation	Cool White (CW)	Voltage (Nom)	235 V	
umen Maintenance 1000 h (Nom)	94 %			
Lumen Maintenance 10000 h (Nom)	63 %	Controls and dimming		
Lumen Maintenance 2000 h (Nom)	89 %	Dimmable	No	
Lumen Maintenance 5000 h (Nom)	76 %			
Chromaticity Coordinate X (Nom)	370	Mechanical and housing		
Chromaticity Coordinate Y (Nom)	370	Bulb Finish	Clear	

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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				
Luminaire design requirements					
Bulb Temperature (Max)	920 ℃				
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	928071305130				
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				

Dimensional drawing



Product	D (max)	0	х	А
MASTER MHN-LA 2000W/842 400V XWH	40 mm	108 mm	58 mm	353 mm

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Photometric data





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Lifetime



LDLE_MHN-LA_0002-Life expectancy diagram

90 80 70 60 0 2000 4000 6000 8000 10000 Burning hours

LDLM_MHN-LA_0002-Lumen maintenance diagram



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