

PHILIPS

Lighting



MASTER MHN-LA

MASTER MHN-LA 2000W/842 400V XWH

Compact quartz metal halide lamps with double-pinches

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 4,200 K]
Luminous flux (rated) (min.)	193000 lm
Luminous flux (rated) (nom.)	214000 lm
Colour designation	Cool White (CW)
Lumen maintenance 1,000 hours (nom.)	94 %
Lumen maintenance 10,000 hours (nom.)	63 %
Lumen maintenance 2,000 hours (nom.)	89 %
Lumen maintenance 5,000 hours (nom.)	76 %
Chromaticity coordinate X (nom.)	370
Chromaticity coordinate Y (nom.)	370
Correlated colour temperature (nom.)	4200 K
Luminous efficacy (rated) (nom.)	105 lm/W
Color rendering index (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
Cap base information	Cable (C)
Approval and Application	
Energy efficiency label (EEL)	A+
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 °C
Pinch temperature (max.)	350 °C

MASTER MHN-LA

Product Data

Full product code	871150020074700
Order product name	MASTER MHN-LA 2000W/842 400V XWH
EAN/UPC – product	8718291548201
Order code	20074700
Local Code	2000MHNLA842
Numerator – quantity per pack	1

Numerator – packs per outer box	1
Material no. (12NC)	928071305130
Net weight (piece)	172.000 g
ILCOS Code	MN-2000-E-K-/H

Warnings and Safety

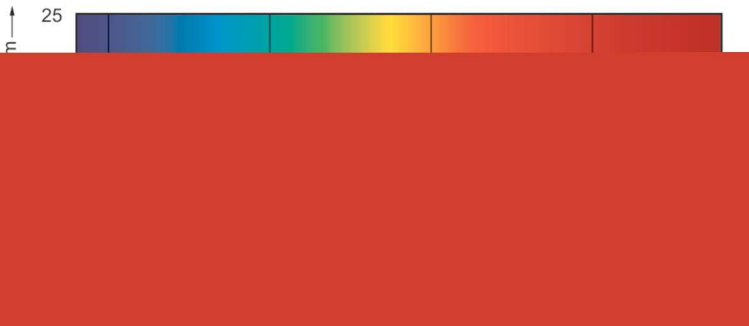
Dimensional drawing



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

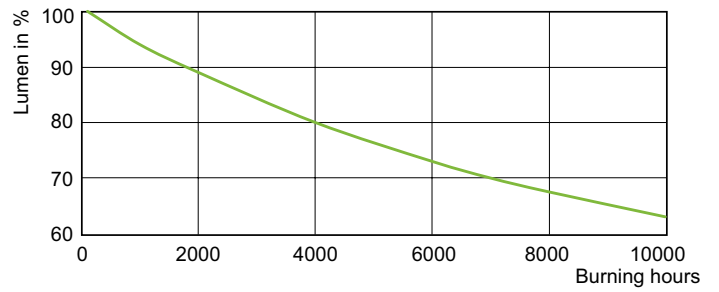
MHN-LA 2000W/842 400V XWH

Photometric data



MASTER MHN-LA

Lifetime



LDLE_MHN-LA_0002-Life expectancy diagram

LDLM_MHN-LA_0002-Lumen maintenance diagram

