

MASTER MHN-FC

MASTER MHN-FC 1000W/740 230V XW

Compact quartz metal halide lamps with double pinch

Product data

• General Information

Cap-Base	DOUBLEENDED [Double Ended]
Operating Position	P5 [Parallel +/-5D or Horizontal(HOR)]
Life To 5% Failures (Nom)	7000 h
Life To 10% Failures (Nom)	8000 h
Life To 20% Failures (Nom)	9500 h
Life To 50% Failures (Nom)	12000 h

• Light Technical

Colour Code	740 [CCT of 4000K]
Luminous Flux (Rated) (Min)	88000 lm
Luminous Flux (Rated) (Nom)	93000 lm
Colour Designation	White (WH)
Lumen Maintenance 1000 h (Nom)	90 %
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Nom)	75 %
Chromaticity Coordinate X (Nom)	374
Chromaticity Coordinate Y (Nom)	366
Colour Temperature, horizontal (Nom)	4100 K
Luminous Efficacy (rated) (Nom)	91 lm/W
Colour Rendering Index horiz (Min)	62
Colour Rendering Index horiz (Nom)	65

• Operating and Electrical

Lamp supply voltage	230 V [230]
Power (Rated) (Nom)	1040.0 W
Lamp Current Run-Up (Max)	12.5 A
Lamp Current (EM) (Nom)	8.9 A
Ignition Supply Voltage (Min)	198 V
Voltage (Max)	145 V
Voltage (Min)	115 V
Voltage (Nom)	130 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)	85 mg
Energy Consumption kWh/1000 h	1144 kWh

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MASTER MHN-FC

- UV

Pet (Niosh) (Nom)	0.049 h.klx
Damage Factor D/fc (Nom)	3.4
Specific Eff. Radiant Power	235 mW/klm

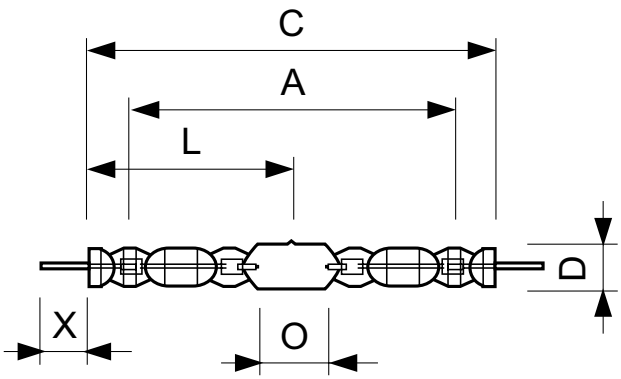
- Luminaire Design Requirements

Bulb Temperature (Max)	950 °C
Pinch Temperature (Max)	350 °C

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

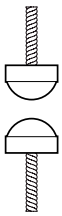
Dimensional drawing



MHN-FC, 1000W/2000W

MHN-FC 1000W/740 230V XW

Product	D	D	O	X	L	A	C
MASTER MHN-FC 1000W/740 230V XW	33 mm	25.5 mm	42.5 mm	58 mm	144 mm	226 mm	290 mm



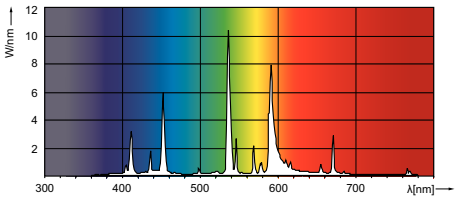
- Product Data

Full product code	871150021424900
Order product name	MASTER MHN-FC 1000W/740 230V XW
EAN/UPC - Product	8718291548256
Order code	21424900
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	928075705130
Net Weight (Piece)	140.000 g
ILCOS Code	MD-1000/40/2B-H-XW

- 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.

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Photometric data



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