

# Lighting

**PHILIPS** 

# **Product Description**

# **MASTER MHN-LA**

Compact quartz metal halide lamps with double-pinch

#### Benefits

- Allows compact and efficient luminaire systems with precision optics for good beam control and minimal spill light
- Good colour rendering creates a pleasant ambience with high visual comfort for players and spectators
- Continuous spectral distribution offers options for semi-professional stadiums and for professional stadiums with regular TV coverage

# Features

- Compact source (Long Arc) with high luminous efficacy
- Double-pinch concept results in long lifetime
- Natural white colour appearance, high colour rendering and good colour stability
- Daylight colour temperature eases transition from daylight to artificial lighting

# Application

 $\cdot$  Professional and semi-professional sports lighting and floodlighting

# Warnings and Safety

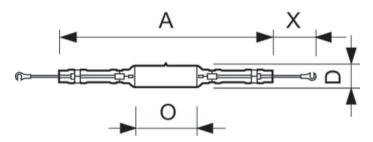
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and 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.

# **MASTER MHN-LA**

# Versions

LPPR MHN-LA 2000W

# Dimensional drawing



Product	D (max)	0	х	А
MASTER MHN-LA 1000W/842 230V XWH	40 mm	40.5 mm	35 mm	286 mm
MASTER MHN-LA 1000W/956 230V XWH	40 mm	40.5 mm	35 mm	286 mm
MASTER MHN-LA 2000W/842 400V XWH	40 mm	108 mm	58 mm	353 mm
MASTER MHN-LA 2000W/956 400V XWH	40 mm	108 mm	58 mm	353 mm

General Information	
Cap-Base	X528
Operating Position	P5
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	TD40

# Light Technical

	Chromaticity	Chromaticity		Correlated Color	Color rendering	Luminous Efficacy
Full Product Name	Coordinate X (Nom)	Coordinate Y (Nom)	Color Designation	Temperature (Nom)	index (CRI)	(rated) (Nom)
MASTER MHN-LA 2000W/842	370	370	Cool White (CW)	4200 K	72	105 lm/W
400V XWH						
MASTER MHN-LA 2000W/956	330	339	Daylight	5600 K	82	93 lm/W
400V XWH						
MASTER MHN-LA 1000W/956 230V	337	331	Daylight	5600 K	80	86.0 lm/W
XWH						
MASTER MHN-LA 1000W/842 230V	366	370	Cool White (CW)	4200 K	70	92.00 lm/W
XWH						
	MASTER MHN-LA 2000W/842 400V XWH MASTER MHN-LA 2000W/956 400V XWH MASTER MHN-LA 1000W/956 230V XWH MASTER MHN-LA 1000W/842 230V	Full Product Name  Coordinate X (Nom)    MASTER MHN-LA 2000W/842  370    400V XWH  330    MASTER MHN-LA 2000W/9566  330    400V XWH	Full Product Name  Coordinate X (Nom)  Coordinate Y (Nom)    MASTER MHN-LA 2000W/842  370  370    400V XWH  330  339    400V XWH	Full Product Name  Coordinate X (Non)  Coordinate Y (Non)  Color Designation    MASTER MHN-LA 2000W/842  370  370  Cool White (CW)    400V XWH  330  339  Daylight    400V XWH  500  337  Daylight    400V XWH  500  310  Daylight    400V XWH  500  311  Daylight    MASTER MHN-LA 1000W/956 2300  370  Daylight    XWH  500  Sold  Sold White	Full Product NameCoordinate X (NoCoordinate X (NoColor DesignationTemperature (Nom)MASTER MHN-LA 2000W/842370370Cool White (CW)420 KMASTER MHN-LA 2000W/956300339Daylight560 K400V XWH	Full Product Name  Coordinate X (No)  Coordinate X (No)  Color Designation  Temperature (Noin)  index (CR)    MASTER MHN-LA 2000W/842  370  Cool White (CW)  4200 K  72    MASTER MHN-LA 2000W/950  330  Daylight  5600 K  82    MASTER MHN-LA 2000W/950  370  Daylight  5600 K  82    MASTER MHN-LA 1000W/950  374  Daylight  5600 K  80    MASTER MHN-LA 1000W/9562300  374  Daylight  5600 K  80    MASTER MHN-LA 1000W/9562301  370  Daylight  5600 K  80    MASTER MHN-LA 1000W/9562303  370  Daylight  5000 K  80    MASTER MHN-LA 1000W/9562303  360  S70  Coll White (CW)  420 K  70

# **MASTER MHN-LA**

#### **Operating and Electrical**

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
20074700	MASTER MHN-LA 2000W/842 400V	235 V	2,040.0 W
	XWH		
20073000	MASTER MHN-LA 2000W/956	225 V	2,040.0 W
	400V XWH		

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
20077800	MASTER MHN-LA 1000W/956 230V	125 V	1,040.0 W
	XWH		
20078500	MASTER MHN-LA 1000W/842 230V	125 V	1,040.0 W
	XWH		

#### Approval and Application

		Energy Consumption	Mercury (Hg)
Order Code	Full Product Name	kWh/1000 h	Content (Nom)
20074700	MASTER MHN-LA 2000W/842	2244 kWh	194 mg
	400V XWH		
20073000	MASTER MHN-LA 2000W/956	2244 kWh	140 mg
	400V XWH		

		Energy Consumption	Mercury (Hg)
Order Code	Full Product Name	kWh/1000 h	Content (Nom)
20077800	MASTER MHN-LA 1000W/956 230V XWH	1144 kWh	95 mg
20078500	MASTER MHN-LA 1000W/842 230V XWH	1144 kWh	112 mg



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