



2015, July 7
data subject to change

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

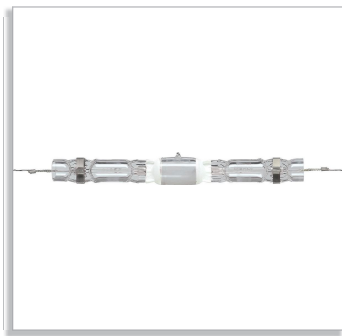
- Professional and semi-professional sports lighting and floodlighting

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.

PHILIPS

Related products

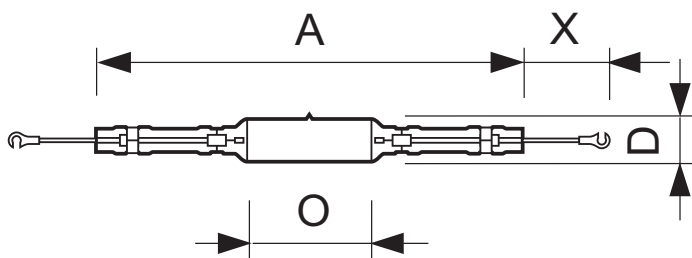


MHN-LA, 1000W



MHN-LA 2000W

Dimensional drawing



MASTER MHN-LA 2000W/842 400V XWH

Product	A (Norm)	D (Max)	O (Norm)	X (Norm)
MHN-LA 2000W/842 400V XWH	353	40	108	58
MHN-LA 1000W/956 230V XWH	286	40	40.5	35
MHN-LA 2000W/956 400V XWH	353	40	108	58
MHN-LA 1000W/842 230V XWH	286	40	40.5	35

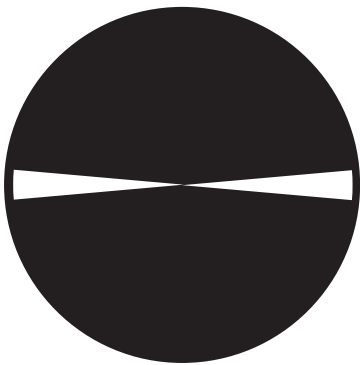
General Characteristics

Order code	Full product name	Cap-Base	Bulb	Bulb Finish	Burning Position	Life to 5% failures	Life to 10% failures	Life to 20% failures	Life to 50% failures
200778 00	MASTER MHN-LA 1000W/956 230V XWH	X528	TD40	Clear	p5	6000 hr	8000 hr	10000 hr	15000 hr
200785 00	MASTER MHN-LA 1000W/842 230V XWH	X528	TD40	Clear	p5	6000 hr	8000 hr	10000 hr	15000 hr
200747 00	MASTER MHN-LA 2000W/842 400V XWH	X528	TD40	Clear	p5	4500 hr	6000 hr	8500 hr	13000 hr
200730 00	MASTER MHN-LA 2000W/956 400V XWH	X528	TD40	Clear	p5	4500 hr	6000 hr	8500 hr	13000 hr

Installation diagrams



X528



p5

Light Technical Characteristics (1/2)

Order code	Full product name	Colour Code	Colour Rendering Index	Colour Designation	Colour Temperature	Lamp Luminous Flux EM	Lamp Luminous Efficacy EM	Lumen Maintenance 1000h	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lumen Maintenance 10000h
200778 00	MASTER MHN-LA 1000W/956 230V XWH	956	80 Ra8	Daylight	5600 K	90000 Lm	86.5 Lm/W	90 %	80 %	60 %	35 %
200785 00	MASTER MHN-LA 1000W/842 230V XWH	842	70 Ra8	Cool White	4200 K	100000 Lm	96.2 Lm/W	90 %	80 %	60 %	35 %
200747 00	MASTER MHN-LA 2000W/842 400V XWH	842	72 Ra8	Cool White	4200 K	220000 Lm	108 Lm/W	94 %	89 %	76 %	63 %
200730 00	MASTER MHN-LA 2000W/956 400V XWH	956	82 Ra8	Daylight	5600 K	190000 Lm	93 Lm/W	94 %	89 %	76 %	63 %

Light Technical Characteristics (2/2)

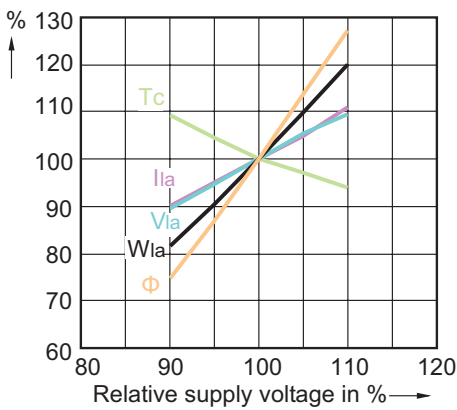
Order code	Full product name	Chromaticity Coordinate X	Chromaticity Coordinate Y
200778 00	MASTER MHN-LA 1000W/956 230V XWH	330 -	339 -
200785 00	MASTER MHN-LA 1000W/842 230V XWH	370 -	370 -

Order code	Full product name	Chromaticity Coordinate X	Chromaticity Coordinate Y
200747 00	MASTER MHN-LA 2000W/842 400V XWH	370 -	370 -
200730 00	MASTER MHN-LA 2000W/956 400V XWH	330 -	339 -

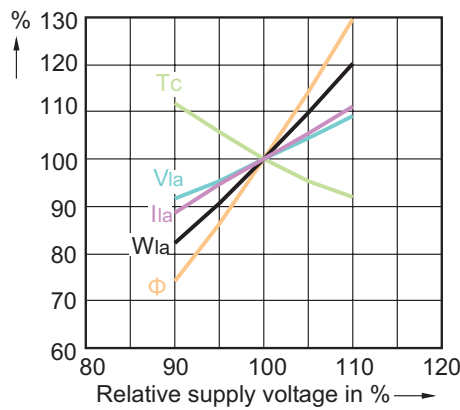
Electrical Characteristics

Order code	Full product name	Lamp Wattage	Lamp Wattage EM 25°C, Nominal	Lamp Wattage EM 25°C, Rated	Voltage	Lamp Voltage	Lamp Current EM	Dimmable
200778 00	MASTER MHN-LA 1000W/956 230V XWH	1000 W	1000.0 W	1040.0 W	230 V	125 V	9.3 A	no
200785 00	MASTER MHN-LA 1000W/842 230V XWH	1000 W	1000.0 W	1040.0 W	230 V	125 V	9.3 A	no
200747 00	MASTER MHN-LA 2000W/842 400V XWH	2000 W	2000.0 W	2040.0 W	400 V	235 V	9.6 A	no
200730 00	MASTER MHN-LA 2000W/956 400V XWH	2000 W	2000.0 W	2040.0 W	400 V	225 V	10.3 A	no

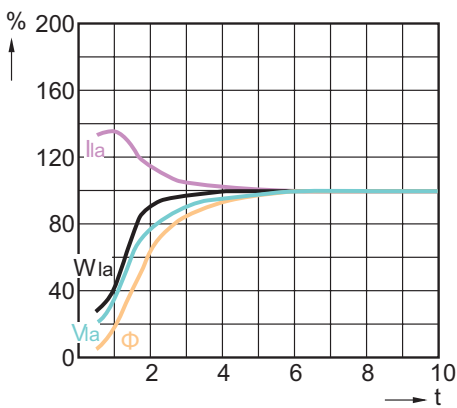
Performance diagrams



MHN-LA 2000W

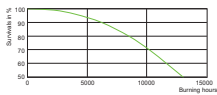


MHN-LA 1000W

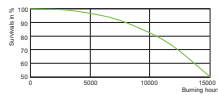


MHN-LA

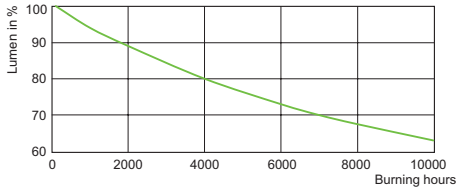
Performance diagrams



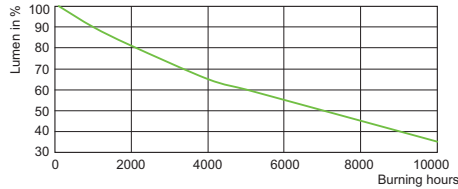
MHN-LA 2000 W Life Expectancy



MHN-LA 1000 W Life Expectancy



MHN-LA 2000 W Lumen Maintenance



MHN-LA 1000 W Lumen Maintenance

Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
200778 00	MASTER MHN-LA 1000W/956 230V XWH	A+	85 mg	1144 kWh
200785 00	MASTER MHN-LA 1000W/842 230V XWH	A+	112 mg	1144 kWh
200747 00	MASTER MHN-LA 2000W/842 400V XWH	A+	185 mg	2244 kWh
200730 00	MASTER MHN-LA 2000W/956 400V XWH	A+	130 mg	2244 kWh

Luminaire Design Requirements

Order code	Full product name	Bulb Temperature
200778 00	MASTER MHN-LA 1000W/956 230V XWH	920 (max) C
200785 00	MASTER MHN-LA 1000W/842 230V XWH	920 (max) C
200747 00	MASTER MHN-LA 2000W/842 400V XWH	920 (max) C
200730 00	MASTER MHN-LA 2000W/956 400V XWH	920 (max) C



© 2015 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

2015, July 7
data subject to change