



2014, July 16
data subject to change

Product Description

MASTER MHN-LA

Compact quartz metal halide lamps with double-pin

Benefits

- Allows compact and efficient luminaire systems with precision optics for good beam control and minimal spill light
- Good color 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 color appearance, high color rendering and good color stability
- Daylight color 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

MASTER MHN-LA

2

Related products

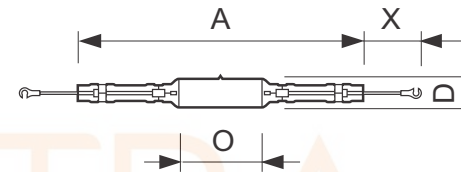


MHN-LA, 1000W



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	364	40	108	58
MHN-LA 1000W/956 230V XWH	294	40	40.5	35
MHN-LA 2000W/956 400V XWH	364	40	108	58
MHN-LA 1000W/842 230V XWH	294	40	40.5	35

General Characteristics

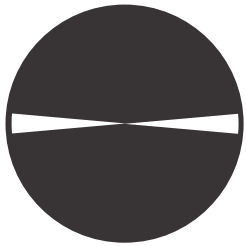
Order code	Full product name	Cap-Base	Bulb	Bulb Finish	Operating Position	Life to 5% failures	Life to 10% failures	Life to 20% failures	Life to 50% failures
928072205130	MASTER MHN-LA 1000W/956 230V XWH	X528	TD40	Clear	p5	6000 hr	8000 hr	10000 hr	15000 hr
928073005130	MASTER MHN-LA 1000W/842 230V XWH	X528	TD40	Clear	p5	6000 hr	8000 hr	10000 hr	15000 hr
928071305130	MASTER MHN-LA 2000W/842 400V XWH	X528	TD40	Clear	p5	4500 hr	6000 hr	8500 hr	13000 hr
928072505130	MASTER MHN-LA 2000W/956 400V XWH	X528	TD40	Clear	p5	4500 hr	6000 hr	8500 hr	13000 hr

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Installation diagrams



X528



p5

Light Technical Characteristics (1/2)

Order code	Full product name	Color Code	Color Rendering Index	Color Designation (text)	Color Temperature	Luminous Flux Lamp EM	Luminous Efficacy Lamp EM	Lumen Maintenance 1000h	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lumen Maintenance 10000h
928072205130	MASTER MHN-LA 1000W/956 230V XWH	956	80 Ra8	Daylight	5600 K	90000 Lm	86.5 Lm/W	90 %	80 %	60 %	35 %
928073005130	MASTER MHN-LA 1000W/842 230V XWH	842	70 Ra8	Cool White	4200 K	100000 Lm	96.2 Lm/W	90 %	80 %	60 %	35 %
928071305130	MASTER MHN-LA 2000W/842 400V XWH	842	72 Ra8	Cool White	4200 K	220000 Lm	108 Lm/W	94 %	89 %	76 %	63 %
928072505130	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)

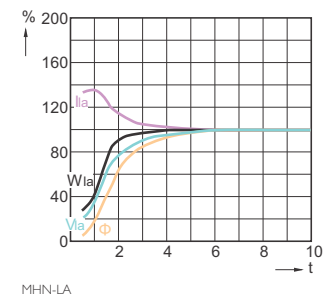
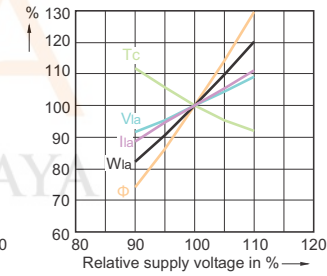
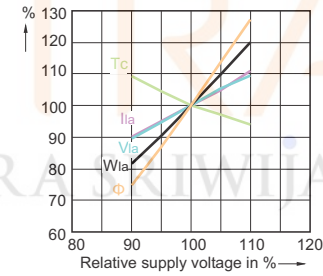
Order code	Full product name	Chromaticity Coordinate X	Chromaticity Coordinate Y
928072205130	MASTER MHN-LA 1000W/956 230V XWH	330 -	339 -
928073005130	MASTER MHN-LA 1000W/842 230V XWH	370 -	370 -

Order code	Full product name	Chromaticity Coordinate X	Chromaticity Coordinate Y
928071305130	MASTER MHN-LA 2000W/842 400V XWH	370 -	370 -
928072505130	MASTER MHN-LA 2000W/956 400V XWH	330 -	339 -

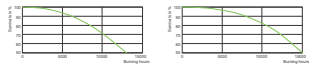
Electrical Characteristics

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
928072205130	MASTER MHN-LA 1000W/956 230V XWH	1000 W	10000 W	10400 W	230 V	125 V	9.3 A	No
928073005130	MASTER MHN-LA 1000W/842 230V XWH	1000 W	10000 W	10400 W	230 V	125 V	9.3 A	No
928071305130	MASTER MHN-LA 2000W/842 400V XWH	2000 W	20000 W	20400 W	400 V	235 V	9.6 A	No
928072505130	MASTER MHN-LA 2000W/956 400V XWH	2000 W	20000 W	20400 W	400 V	225 V	10.3 A	No

Performance diagrams

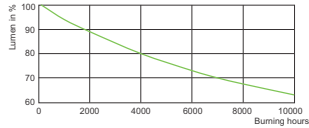


Performance diagrams

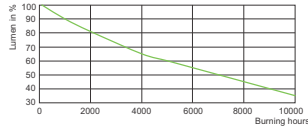


MHN-LA 2000W

MHN-LA 1000W



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MHN-LA 1000W

Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928072205130	MASTER MHN-LA 1000W/956 230V XWH	A+	85 mg	1144 kWh
928073005130	MASTER MHN-LA 1000W/842 230V XWH	A+	112 mg	1144 kWh
928071305130	MASTER MHN-LA 2000W/842 400V XWH	A+	185 mg	2244 kWh
928072505130	MASTER MHN-LA 2000W/956 400V XWH	A+	130 mg	2244 kWh

Luminaire Design Requirements

Order code	Full product name	Bulb Temperature
928072205130	MASTER MHN-LA 1000W/956 230V XWH	920 (max) C
928073005130	MASTER MHN-LA 1000W/842 230V XWH	920 (max) C
928071305130	MASTER MHN-LA 2000W/842 400V XWH	920 (max) C
928072505130	MASTER MHN-LA 2000W/956 400V XWH	920 (max) C



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