



# Product description

## MH-NaSc

Sodium Scandium Metal Halide Lamps consisting of a gasfilled glass bulb, which alternatively are clear or internal coated, and a quartz discharge tube (DT).

### Benefits

- Energy saving solution with better color appearance and rendering property for conventional version.

### Features

- Quartz discharge tube containing high-pressure mercury and a mixture of Sodium and Scandium halides, which contribute to multi-lines spectra; with Ar to aid ignition.
- Better colour rendering index around 60
- Luminous efficacy up to 90 lm/W
- Universal operation position permitted

### Application

- Stadium and sports facilities lighting
- Industrial and commercial lighting—factory
- supermarket and exhibition hall etc.
- Public lighting—square, station, port, airport etc.
- Decorative flood lighting—monument, buildings e.g.
- hotel

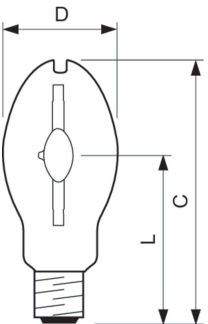
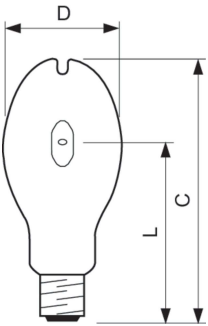
# MH-NaSc

## Versions



LPPR MH E26 E27 CL

## Dimensional drawing



Product	D (max)	L (min)	C (max)
MH - 250W/640 E40 CL U 1SL/12	91 mm	149 mm	226 mm
MH 175W/640 E40 CL U 1SL/12	91 mm	146 mm	226 mm
MH 250W/637 E40 CO U 1SL/12	91 mm	149 mm	226 mm

Product	D (max)	L (min)	C (max)
MH 100W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm
MH 100W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm
MH 150W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm
MH 150W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm
MH 400W/640 E40 CL U 1SL/6	121 mm	184 mm	290 mm
MH 70W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm
MH 70W/640 E27 CL 1SL/24	56 mm	83 mm	141 mm
MH Quartz 400W/637 E40 CO U 1SL/6	121 mm	184 mm	290 mm

### General Information

Operating Position H

### Light Technical

Color Designation Cool White (CW)

### Controls and Dimming

Dimmable No

## General Information

Order Code	Full Product Name	Cap-Base
928484400092	MH 70W/640 E27 CL 1SL/24	E27
928484400093	MH 70W/640 E27 CL 1SL/24	E27
928484500092	MH 100W/640 E27 CL 1SL/24	E27
928484500093	MH 100W/640 E27 CL 1SL/24	E27
928484600092	MH 150W/640 E27 CL 1SL/24	E27
928484600093	MH 150W/640 E27 CL 1SL/24	E27

Order Code	Full Product Name	Cap-Base
928480310097	MH 250W/637 E40 CO U 1SL/12	E40
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	E40
928480200097	MH 175W/640 E40 CL U 1SL/12	E40
928480300097	MH - 250W/640 E40 CL U 1SL/12	E40
928480400097	MH 400W/640 E40 CL U 1SL/6	E40

## Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Color rendering	Luminous Efficacy (rated)
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	index (CRI)	(Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	390	380	4000 K	60	74 lm/W
928484400093	MH 70W/640 E27 CL 1SL/24	390	380	4000 K	60	74 lm/W
928484500092	MH 100W/640 E27 CL 1SL/24	375	385	4200 K	65	92 lm/W
928484500093	MH 100W/640 E27 CL 1SL/24	375	385	4000 K	65	92 lm/W
928484600092	MH 150W/640 E27 CL 1SL/24	385	390	4000 K	65	95 lm/W
928484600093	MH 150W/640 E27 CL 1SL/24	385	390	4000 K	65	95 lm/W
928480310097	MH 250W/637 E40 CO U 1SL/12	405	395	3600 K	61	76 lm/W
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	405	395	-	61	83.5 lm/W
928480200097	MH 175W/640 E40 CL U 1SL/12	375	390	4300 K	60	80 lm/W
928480300097	MH - 250W/640 E40 CL U 1SL/12	390	390	4000 K	60	82 lm/W
928480400097	MH 400W/640 E40 CL U 1SL/6	390	400	3900 K	60	97.5 lm/W

## Operating and Electrical

Order Code	Full Product Name	Power	
		Voltage (Nom)	Consumption
928484400092	MH 70W/640 E27 CL 1SL/24	85 V	76 W
928484400093	MH 70W/640 E27 CL 1SL/24	85 V	76 W
928484500092	MH 100W/640 E27 CL 1SL/24	100 V	105 W
928484500093	MH 100W/640 E27 CL 1SL/24	100 V	105 W
928484600092	MH 150W/640 E27 CL 1SL/24	95 V	153 W
928484600093	MH 150W/640 E27 CL 1SL/24	95 V	153 W
928480310097	MH 250W/637 E40 CO U 1SL/12	133 V	250 W

Order Code	Full Product Name	Power	
		Voltage (Nom)	Consumption
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	135 V	400.0 W
928480200097	MH 175W/640 E40 CL U 1SL/12	132 V	175.0 W
928480300097	MH - 250W/640 E40 CL U 1SL/12	133 V	250.0 W
928480400097	MH 400W/640 E40 CL U 1SL/6	135 V	400.0 W

## Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
928484400092	MH 70W/640 E27 CL 1SL/24	Clear	ED55
928484400093	MH 70W/640 E27 CL 1SL/24	Clear	ED55
928484500092	MH 100W/640 E27 CL 1SL/24	Clear	ED55
928484500093	MH 100W/640 E27 CL 1SL/24	Clear	ED55
928484600092	MH 150W/640 E27 CL 1SL/24	Clear	ED55
928484600093	MH 150W/640 E27 CL 1SL/24	Clear	ED55

Order Code	Full Product Name	Bulb Finish	Bulb Shape
928480310097	MH 250W/637 E40 CO U 1SL/12	Coated glass	ED90
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	Coated glass	ED120
928480200097	MH 175W/640 E40 CL U 1SL/12	Clear	ED90
928480300097	MH - 250W/640 E40 CL U 1SL/12	Clear	ED90
928480400097	MH 400W/640 E40 CL U 1SL/6	Clear	ED120

## Approval and Application

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	-	12 mg

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928484400093	MH 70W/640 E27 CL 1SL/24	-	12 mg

## MH-NaSc

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928484500092	MH 100W/640 E27 CL 1SL/24	110 kWh	10.2 mg
928484500093	MH 100W/640 E27 CL 1SL/24	110 kWh	10.2 mg
928484600092	MH 150W/640 E27 CL 1SL/24	165 kWh	11 mg
928484600093	MH 150W/640 E27 CL 1SL/24	165 kWh	11 mg
928480310097	MH 250W/637 E40 CO U 1SL/12	275 kWh	33 mg
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	440 kWh	38 mg

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928480200097	MH 175W/640 E40 CL U 1SL/12	192 kWh	28 mg
928480300097	MH - 250W/640 E40 CL U 1SL/12	275 kWh	33 mg
928480400097	MH 400W/640 E40 CL U 1SL/6	440 kWh	38 mg

