



# 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
- Low wattage lamps with extra quartz tube around DT to prevent the risk of outer bulb shattering when abnormal operated or to the end of life.
- 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

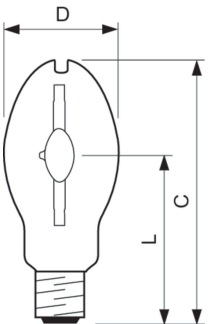
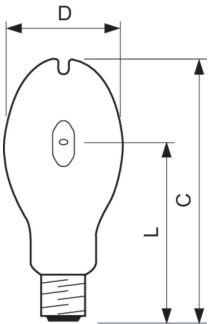
# MH-NaSc

## Versions



LPPR MH 0002

## Dimensional drawing



Product	D (max)	L (min)	C (max)
MH - 250W/640 E40 CL 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 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

### General Information

Operating Position H

### Light Technical

Color Designation Cool White (CW)

### Controls and Dimming

Dimmable No

### Mechanical and Housing

Bulb Finish Clear

## General Information

Order Code	Full Product Name	Cap-Base
21155230	MH 70W/640 E27 CL 1SL/24	E27
21157600	MH 100W/640 E27 CL 1SL/24	E27
21159030	MH 150W/640 E27 CL 1SL/24	E27

Order Code	Full Product Name	Cap-Base
19937915	MH 250W /640 U E40 CL SLV/12	E40
19939310	MH 400W/640 E40 CL U 1SL/6	E40

## Light Technical

Order Code	Full Product Name	Chromaticity		Correlated Color	Color rendering	Luminous Efficacy (rated)
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	index (CRI)	(Nom)
21155230	MH 70W/640 E27 CL 1SL/24	390	380	4000 K	60	74 lm/W
21157600	MH 100W/640 E27 CL 1SL/24	375	385	4200 K	65	92 lm/W
21159030	MH 150W/640 E27 CL 1SL/24	385	390	4000 K	65	95 lm/W
19937915	MH 250W /640 U E40 CL SLV/12	390	390	4000 K	60	82 lm/W
19939310	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	Voltage (Nom)	Power Consumption
21155230	MH 70W/640 E27 CL 1SL/24	85 V	76 W
21157600	MH 100W/640 E27 CL 1SL/24	100 V	105 W
21159030	MH 150W/640 E27 CL 1SL/24	95 V	153 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
19937915	MH 250W /640 U E40 CL SLV/12	133 V	250.0 W
19939310	MH 400W/640 E40 CL U 1SL/6	135 V	400.0 W

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
21155230	MH 70W/640 E27 CL 1SL/24	ED55
21157600	MH 100W/640 E27 CL 1SL/24	ED55
21159030	MH 150W/640 E27 CL 1SL/24	ED55

Order Code	Full Product Name	Bulb Shape
19937915	MH 250W /640 U E40 CL SLV/12	ED90
19939310	MH 400W/640 E40 CL U 1SL/6	ED120

## Approval and Application

Order Code	Full Product Name	Energy Consumption	Mercury (Hg)
		kWh/1000 h	Content (Nom)
21155230	MH 70W/640 E27 CL 1SL/24	-	12 mg
21157600	MH 100W/640 E27 CL 1SL/24	110 kWh	10.2 mg
21159030	MH 150W/640 E27 CL 1SL/24	165 kWh	11 mg

Order Code	Full Product Name	Energy Consumption	Mercury (Hg)
		kWh/1000 h	Content (Nom)
19937915	MH 250W /640 U E40 CL SLV/12	275 kWh	33 mg
19939310	MH 400W/640 E40 CL U 1SL/6	440 kWh	38 mg

