PHILIPS

MH-NaSc

DMH



Product description

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.

Applications

- 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

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

Versions



LPPR MH E26 E27 CL

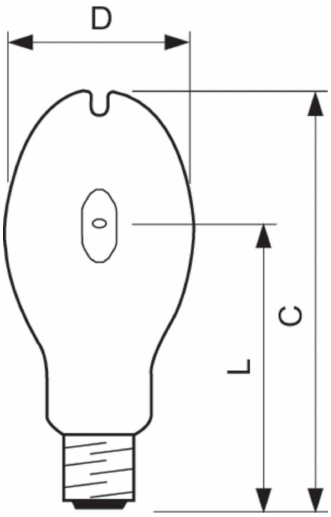


LPPR MH 0003

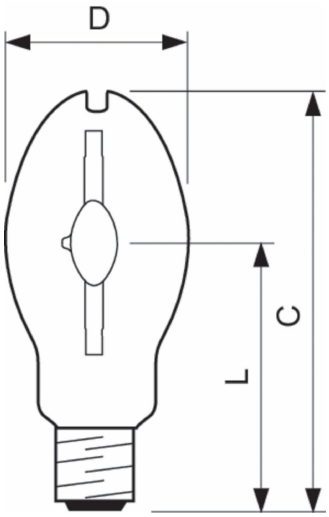


LPPR MH 0002

Dimensional drawing



Product	D (max)	L (min)	C (max)
MH - 250W/640 E40 CL U 1SL/12	91 mm	149 mm	226 mm
MH 175W/640 E40 CL U 1SL/12	91 mm	146 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 [Hanging or Base Up (BU)]

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
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 Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
928484400092	MH 70W/640 E27 CL 1SL/24	390	380	4000 K	74 lm/W	60

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

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	76 W	85 V
928484400093	MH 70W/640 E27 CL 1SL/24	76 W	85 V
928484500092	MH 100W/640 E27 CL 1SL/24	105 W	100 V
928484500093	MH 100W/640 E27 CL 1SL/24	105 W	100 V
928484600092	MH 150W/640 E27 CL 1SL/24	153 W	95 V
928484600093	MH 150W/640 E27 CL 1SL/24	153 W	95 V
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	400.0 W	135 V
928480200097	MH 175W/640 E40 CL U 1SL/12	175.0 W	132 V
928480300097	MH - 250W/640 E40 CL U 1SL/12	250.0 W	133 V
928480400097	MH 400W/640 E40 CL U 1SL/6	400.0 W	135 V

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

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Energy Consumption kWh/1000 h
928484400093	MH 70W/640 E27 CL 1SL/24	12 mg	-
928484500092	MH 100W/640 E27 CL 1SL/24	10.2 mg	110 kWh
928484500093	MH 100W/640 E27 CL 1SL/24	10.2 mg	110 kWh
928484600092	MH 150W/640 E27 CL 1SL/24	11 mg	165 kWh
928484600093	MH 150W/640 E27 CL 1SL/24	11 mg	165 kWh
928480410097	MH Quartz 400W/637 E40 CO U 1SL/6	38 mg	440 kWh
928480200097	MH 175W/640 E40 CL U 1SL/12	28 mg	192 kWh
928480300097	MH - 250W/640 E40 CL U 1SL/12	33 mg	275 kWh
928480400097	MH 400W/640 E40 CL U 1SL/6	38 mg	440 kWh

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