



# 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.
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### 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.
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- Better colour rendering index around 60
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- Luminous efficacy up to 90 lm/W
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- 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.
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- Universal operation position permitted
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Application

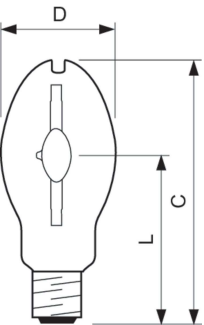
- Stadium and sports facilities lighting
- Stadium and sports facilities lighting
- Industrial and commercial lighting—factory
- Industrial and commercial lighting—factory
- supermarket and exhibition hall etc.
- supermarket and exhibition hall etc.
- Public lighting—square, station, port, airport etc.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

Versions



LPPR MH E26 E27 CL

Dimensional drawing



| 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 70W/640 E27 CL 1SL/24  | 56 mm   | 83 mm   | 141 mm  |

| General Information    |                 |
|------------------------|-----------------|
| Cap-Base               | E27             |
| Operating Position     | H               |
| Light Technical        |                 |
| Color Designation      | Cool White (CW) |
| Controls and Dimming   |                 |
| Dimmable               | No              |
| Mechanical and Housing |                 |
| Bulb Finish            | Clear           |
| Bulb Shape             | ED55            |

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                   |
| 928484500092 | MH 100W/640 E27 CL 1SL/24 | 375                | 385                | 4200 K            | 65              | 92 lm/W                   |
| 928484600092 | MH 150W/640 E27 CL 1SL/24 | 385                | 390                | 4000 K            | 65              | 95 lm/W                   |

Operating and Electrical

| Order Code   | Full Product Name         | Voltage (Nom) | Power Consumption |
|--------------|---------------------------|---------------|-------------------|
| 928484400092 | MH 70W/640 E27 CL 1SL/24  | 85 V          | 76 W              |
| 928484500092 | MH 100W/640 E27 CL 1SL/24 | 100 V         | 105 W             |

| Order Code   | Full Product Name         | Voltage (Nom) | Power Consumption |
|--------------|---------------------------|---------------|-------------------|
| 928484600092 | MH 150W/640 E27 CL 1SL/24 | 95 V          | 153 W             |

Approval and Application

| Order Code   | Full Product Name         | Energy Consumption | Mercury (Hg)  |
|--------------|---------------------------|--------------------|---------------|
|              |                           | kWh/1000 h         | Content (Nom) |
| 928484400092 | MH 70W/640 E27 CL 1SL/24  | -                  | 12 mg         |
| 928484500092 | MH 100W/640 E27 CL 1SL/24 | 110 kWh            | 10.2 mg       |

| Order Code   | Full Product Name         | Energy Consumption | Mercury (Hg)  |
|--------------|---------------------------|--------------------|---------------|
|              |                           | kWh/1000 h         | Content (Nom) |
| 928484600092 | MH 150W/640 E27 CL 1SL/24 | 165 kWh            | 11 mg         |

