



# Switch Start Metal Halide Standard

## MH400/U 6PK

High performance, Long life and Superior light quality A compact, energy efficient metal halide lamp that provides crisp, sparkling light with long life and high efficiency.

### Warnings and Safety

• R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA: 21 CFR 1040.30 Canada: SOR/DORS/80-381)

### Product data

| General Information        |   | Footnotes HID 2  |                     |
|----------------------------|---|--|---------------------|
| Cap-Base                   | E39 [ Single Contact Mogul Screw]   | Rated life: Vertical +/- 15 degrees. Other positions 75% of vertical life. (385) |                     |
| Operating Position         | Universal [ Universal]  | Footnotes HID 3  |                     |
| Main Application           | General Lighting (G)  | Vertical lumens. Horizontal lumens 6%–10% lower. (393)                           |                     |
| Life to 50% Failures (Nom) | 20000 h   | Light Technical  |                     |
| ANSI Code HID              | M59/E   | Color Code   | 640 [ CCT of 4000K] |
| Footnotes HID 1            | Requires a ballast specified or approved for Philips metal halide lamps, or one that is designed to operate all popular brands of metal halide lamps. 1000W types will operate from H36 conventional lag type ballast for Mercury Vapor lamps at ambient temperatures of 50 degrees F or higher. 1000W types must not be operated at 1500W. (377) | Luminous Flux (Rated) (Min)  | 34000 lm            |
|                            |   | Luminous Flux (Rated) (Nom)  | 39000 lm            |
|                            |   | Color Designation  | Cool White (CW)     |
|                            |   | Lumen Maintenance - 40% Life   | 65 %                |
|                            |   | Design Mean Lumens   | 25350 lm            |
|                            |   | Chromaticity Coordinate X (Nom)  | 0.385               |
|                            |   | Chromaticity Coordinate Y (Nom)  | 0.395               |
|                            |   | Correlated Color Temperature (Nom)   | 3900 K              |

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|                                 |         |
|---------------------------------|---------|
| Luminous Efficacy (Rated) (Min) | 85 lm/W |
| Luminous Efficacy (rated) (Nom) | 98 lm/W |
| Color Rendering Index (Nom)     | 65      |

### Operating and Electrical

|                               |        |
|-------------------------------|--------|
| Power (Rated) (Nom)           | 400 W  |
| Lamp Current (Nom)            | 3.25 A |
| Ignition Supply Voltage (Min) | 350 V  |
| Re-Ignition Time (Min) (Max)  | 12 min |
| Ignition Time (Max)           | 120 s  |
| Voltage (Max)                 | 150 V  |
| Voltage (Min)                 | 120 V  |
| Voltage (Nom)                 | 135 V  |

### Mechanical and Housing

|                      |                     |
|----------------------|---------------------|
| Bulb Finish          | Clear               |
| Cap-Base Information | Brass [ Brass Base] |
| Bulb Material        | Hard Glass          |
| Bulb Shape           | ED37 [ ED37]        |

### Approval and Application

|                       |                |
|-----------------------|----------------|
| Energy Saving Product | Not Applicable |
|-----------------------|----------------|

|                            |               |
|----------------------------|---------------|
| Picogram Per Lumen Hour    | 102.6 pg/lm.h |
| Mercury (Hg) Content (Nom) | 38 mg         |

### UV

|                          |             |
|--------------------------|-------------|
| Pet (Niosh) (Nom)        | 204 h/500lx |
| Damage Factor D/fc (Nom) | 0.51        |

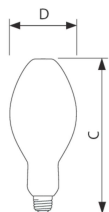
### Luminaire Design Requirements

|                            |        |
|----------------------------|--------|
| Bulb Temperature (Max)     | 400 °C |
| Cap-Base Temperature (Max) | 210 °C |

### Product Data

|                                 |              |
|---------------------------------|--------------|
| Order product name              | MH400/U 6PK  |
| EAN/UPC - Product               | 046677274498 |
| Order code                      | 274498       |
| Numerator - Quantity Per Pack   | 1            |
| Numerator - Packs per outer box | 6            |
| Material Nr. (12NC)             | 928601172301 |
| Net Weight (Piece)              | 0.001 kg     |

## Dimensional drawing



MH R 400W/640 E39 ED37 U

| Product     | D        | C (max) |
|-------------|----------|---------|
| MH400/U 6PK | 4.625 in | 11.5 in |

