

# Lamps & Ballasts

## Lamps

### Metal Halide Lamps

#### Protected Metal Halide Lamps



| Part Number | Watts | Bulb | Initial Lumens | Mean Lumens | Avg. Life   | Burn Position | CRI |
|-------------|-------|------|----------------|-------------|-------------|---------------|-----|
| MHC50UMP4K  | 50    | ED17 | 3600           | 2450        | 20,000 hrs. | Universal     | 92  |
| MHC70UMP4K  | 70    | ED17 | 5800           | 4060        | 24,000 hrs. | Universal     | 92  |
| MH100UMP    | 100   | ED17 | 8200           | 6150        | 24,000 hrs. | Universal     | 92  |
| MP400BU     | 400   | ED37 | 36000          | 30500       | 15,000 hrs. | Base Up       | 70  |
| MP1000BU*   | 1000  | BT56 | 107000         | 85000       | 15,000 hrs. | Base Up       | 65  |

\*Must order from factory

#### Metal Halide Series



| Part Number | Watts | Bulb | Initial Lumens | Mean Lumens | Avg. Life   | Burn Position | CRI |
|-------------|-------|------|----------------|-------------|-------------|---------------|-----|
| MH50UM      | 50    | ED17 | 3400           | 2000        | 10,000 hrs. | Universal     | 70  |
| MH70UM      | 70    | ED17 | 5600           | 4200        | 15,000 hrs. | Universal     | 70  |
| MH100UM     | 100   | ED17 | 8500           | 5800        | 15,000 hrs. | Universal     | 70  |
| MH175UM     | 175   | ED17 | 14000          | 9300        | 15,000 hrs. | Universal     | 70  |
| MH175U      | 175   | ED28 | 14440          | 9300        | 15,000 hrs. | Universal     | 65  |
| MH250U      | 250   | ED28 | 22000          | 17000       | 10,000 hrs. | Universal     | 65  |
| MH400U      | 400   | ED37 | 38000          | 25000       | 20,000 hrs. | Universal     | 65  |
| MH400UED28  | 400   | ED28 | 38000          | 25000       | 20,000 hrs. | Universal     | 65  |
| MH1000U     | 1000  | BT56 | 111000         | 86000       | 15,000 hrs. | Universal     | 65  |
| MH1000UED37 | 1000  | ED37 | 110000         | 96000       | 10,000 hrs. | Universal     | 70  |
| MH1500U     | 1500  | BT56 | 165000         | 130000      | 3,000 hrs.  | Universal     | 70  |

#### Protected Pulse Start Lamps



| Part Number   | Watts | Bulb | Initial Lumens | Mean Lumens | Avg. Life   | Burn Position | CRI |
|---------------|-------|------|----------------|-------------|-------------|---------------|-----|
| MP320BUED28PS | 320   | ED28 | 31000          | 25000       | 20,000 hrs. | Base Up       | 65  |
| MP320BUPS*    | 320   | ED37 | 33000          | 26400       | 20,000 hrs. | Base Up       | 65  |
| MP400BUPS     | 400   | ED37 | 44400          | 35200       | 20,000 hrs. | Base Up       | 65  |

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### Metal Halide Lamps

#### Pulse Start Series



| Part Number   | Watts | Bulb | Initial Lumens | Mean Lumens | Avg. Life   | Burn Position | CRI |
|---------------|-------|------|----------------|-------------|-------------|---------------|-----|
| MS150UPS      | 150   | ED28 | 14000          | 10500       | 15,000 hrs. | Universal     | 65  |
| MS150UMPS     | 150   | ED17 | 14000          | 10500       | 10,000 hrs. | Universal     | 65  |
| MS200HPS*     | 200   | ED28 | 21000          | 16800       | 15,000 hrs. | Horizontal    | 65  |
| MS250VED28PS* | 250   | ED28 | 25000          | 20000       | 15,000 hrs. | Vertical      | 65  |
| MS320HPS*     | 320   | BT28 | 30000          | 19700       | 15,000 hrs. | Horizontal    | 65  |
| MS320VPS*     | 320   | ED37 | 32000          | 21000       | 20,000 hrs. | Vertical      | 65  |
| MS320VED28PS* | 320   | ED28 | 31000          | 25000       | 20,000 hrs. | Vertical      | 65  |
| MS400UPS      | 400   | ED37 | 40000          | 32000       | 20,000 hrs. | Universal     | 65  |
| MS400UED28PS* | 400   | ED28 | 44000          | 35000       | 20,000 hrs. | Universal     | 65  |
| MS1000UED37PS | 1000  | BT37 | 110000         | 96000       | 15,000 hrs. | Universal     | 65  |

\*Must order from factory

### High Pressure Sodium Lamps



| Part Number | Watts | Bulb   | Initial Lumens | Mean Lumens | Avg. Life   | Burn Position | CRI |
|-------------|-------|--------|----------------|-------------|-------------|---------------|-----|
| C50S68M     | 50    | ED17   | 4000           | 3600        | 24,000 hrs. | Universal     | 22  |
| C70S62M     | 70    | ED17   | 6300           | 5350        | 24,000 hrs. | Universal     | 22  |
| C70S62      | 70    | ED23.5 | 5800           | 5050        | 24,000 hrs. | Universal     | 22  |
| C100S54     | 100   | ED23.5 | 8800           | 7920        | 24,000 hrs. | Universal     | 22  |
| C100S54M    | 100   | ED17   | 6500           | 8550        | 24,000 hrs. | Universal     | 22  |
| C150S55M    | 150   | ED17   | 16000          | 14000       | 24,000 hrs. | Universal     | 22  |
| C150S55     | 150   | ED23.5 | 16000          | 14400       | 24,000 hrs. | Universal     | 22  |
| C250S50     | 250   | ED18   | 28000          | 27000       | 24,000 hrs. | Universal     | 22  |
| C400S51     | 400   | ED18   | 51000          | 45000       | 24,000 hrs. | Universal     | 22  |
| C1000S52    | 1000  | ET25   | 140000         | 126000      | 24,000 hrs. | Universal     | 22  |