



Metal Halide Pulse Start Specifications

150 Watt Pulse Start Metal Halide Lamps

Performance Data

| Item # | Description | ANSI Designation | Light Output (Lumens @ 100 Hrs.) | Lamp Lumens Per Watt | Mean Output (Lumens) | Related Life (Hours @ 10 Hr./Start) | Correlated Color Temperature K | Chromaticity (CIE-X,Y) | Color Rendering Index (CRI) | Warm Up Time (Minutes) | Hot Restart Time (Minutes) | Burning Position |
|--------|---------------------|------------------|----------------------------------|----------------------|----------------------|-------------------------------------|--------------------------------|------------------------|-----------------------------|------------------------|----------------------------|------------------|
| 46156 | MH 150W/U/PS | M102/E | 14000 V | 93 V | 9800 V | 15000 V | 4000 | .385 | 65 | 1-2 | 2-4 | Universal |
| | | | 12600 H | 84 H | 8800 H | 11250 H | | .390 | | | | |
| 46161 | MH 150W/C/U/PS | M102/E | 13300 V | 89 V | 9300 V | 15000 V | 3700 | .395 | 70 | 1-2 | 2-4 | Universal |
| | | | 12000 H | 80 H | 8400 H | 11250 H | | .390 | | | | |
| 46150 | MP 150W/U/UVG/PS | M102/O | 13300 V | 89 V | 9300 V | 15000 V | 4000 | .385 | 65 | 1-2 | 3-5 | Universal |
| | | | 12000 H | 80 H | 8400 H | 11250 H | | .390 | | | | |
| 46152 | MP 150W/U/UVG/PS/3K | M102/O | 13300 V | 89 V | 9800 V | 15000 V | 3200 | .420 | 65 | 1-2 | 3-5 | Universal |
| | | | 12000 H | 80 H | 8400 H | 11250 H | | .395 | | | | |
| 46158 | MH 150W/U/ED28/PS | M102/E | 14000 V | 93 V | 9800 V | 15000 V | 4000 | .385 | 65 | 1-2 | 2-4 | Universal |
| | | | 12600 H | 84 H | 8800 H | 11250 H | | .390 | | | | |
| 46155 | MP 150W/C/U/UVG/PS | M102/O | 12600 V | 84 V | 8800 V | 15000 V | 3700 | .395 | 70 | 1-2 | 3-5 | Universal |
| | | | 11300 H | 75 H | 7900 H | 11250 H | | .390 | | | | |

Note: C designates a coated outer jacket

ANSI Designation: E = Enclosed rated luminaire, O = Open rated luminaire

Physical Data / Requirements:

| Base Designation | Medium (E26) | Medium (E26) | Mogul (E39) | Mogul (EX39) |
|----------------------------|--------------|--------------|-------------|--------------|
| Bulb Designation | ED17(MH) | EDX17(MP) | ED28(MH) | ED28(MP) |
| Bulb Diameter | 2 1/8" | 2 1/8" | 3 1/2" | 3 1/2" |
| Max. Overall Length (MOL) | 5 7/16" | 5 7/16" | 8 5/16" | 8 5/16" |
| Light Center Length (LCL) | 3 3/8" | 3 3/8" | 5" | 5" |
| Effective Arc Length | 19.0 mm | 19.0 mm | 19.0 mm | 19.0 mm |
| Max. Base Temperature (°C) | 210 | 210 | 210 | 210 |
| Max. Bulb Temperature (°C) | 400 | 400 | 400 | 400 |
| Luminaire Type | Enclosed(MH) | Open (MP) | Enclosed | Open (MP) |
| Socket Pulse Rating (KV) | 3-4 | 3-4 | 3-4 | 3-4 |
| Socket Style | Medium | Medium | Mogul | Mogul EX39 |

Electrical Data / Requirements:

| | |
|--|-----------|
| Lamp Wattage | 150 |
| Operating Voltage (Nominal) | 95 |
| Operating Current (Amps) | 1.8 |
| Min. Open Circuit Voltage (RMS) | 210 |
| Min-max starting pulse peak (Peak V) | 3000-4000 |
| Min. Pulse Width at 2700 volts (u sec) | 1 |
| Min. Pulse Rate per 1/2 Cycle | 1 |
| Pulse Position (Min. % OCV Peak) | 90 |

Notes:

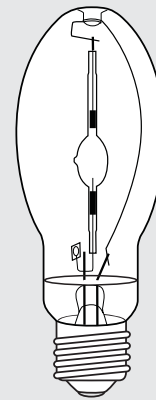
UV Guard™ reduces normal UV emissions up to 90%.

MP lamps are open luminaire rated and contain shrouded arc tubes.

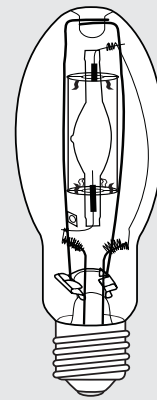
Nominal color temperature rating is based on vertical (±15°) operation of the lamp. Off vertical positions will result in higher color temperature.

Pulse Start lamps require an ignitor for starting.

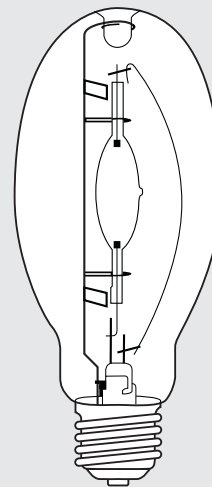
Special open rated socket is required (EX39) on mogul based open rated lamps.



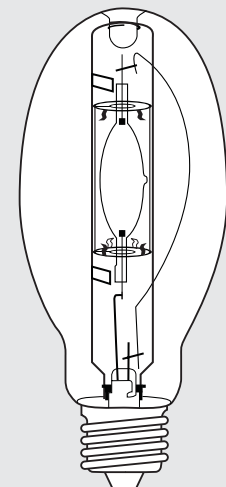
ED17
Medium Base
Enclosed Rated



ED17
Medium Base
Open Rated



ED28
Mogul Base
Enclosed Rated



ED28
EX39 Mogul Base
Open Rated