



LOW FREQUENCY ELECTRONIC HID BALLASTS



For Commercial and Architectural Use

Electronic HID Ballast Benefits:

- Energy-Efficient Compared to Magnetic
- Extended Lamp Life
- Less Color Shift Over Time
- Low Noise
- Compact Ballast Profiles
- Improved Lumen Maintenance
- Faster Strike and Restrike Times
- Lighter Weight
- Creates Opportunities for SKU Reduction





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Optimizing Low Frequency

Fulham's Electronic HID approach offers the best solution for optimizing your lighting. For low wattage lamps (22W-175W), Fulham Electronic HID ballasts operate at low frequency to minimize acoustic resonance and prevent arc instability.

Tungsten Electrode Degradation

Electronic vs Magnetic



Tungsten electrode shows greater degradation after 8,000 hours with magnetic ballast (right) than when operated for 15,000 hours by an Electronic HID Ballast (left).

EFFICIENCY is KEY

Choosing Fulham Electronic HID over traditional magnetic core and coil provides potential savings in 3 ways:

1. Fulham Electronic HID Ballasts are 10-15% more efficient for fewer overall system watts.
2. A traditional system will lose almost 50% light output in the first 10,000 hours. Better lumen maintenance over time means lower wattage fixtures can be used.
3. Longer Effective Lamp Life means significant additional maintenance savings, because lamps are changed less often.



Advanced Performance Features:

- Short Circuit Operation Protection
- Open Circuit Operation Protection
- Ignitor Failure Protection
- Thermal Protection
- End of Life Protection
- High Power Factor
- Sound Rated A
- Low THD



| MODELS | DESCRIPTION | CASE SIZE (mm) LxWxH | CASE SIZE (inches) LxWxH | ANSI CODES |
|----------------------|--|----------------------------|--------------------------------|-----------------------------|
| H1-120-22HSC | E-HID 22 W, 120V MH Side Leads | 89 x 75 x 30.5 | 3.50 x 2.95 x 1.20 | M156, C156, C175, M175 |
| H3-120-39HSC | E-HID 39 W, 120V MH Side Leads | 89 x 75 x 30.5 | 3.50 x 2.95 x 1.20 | M130, C179, C130 |
| H3-UNV-39HBC | E-HID 39 W, Universal Voltage MH Back Leads | 123 x 91.5 x 38 | 4.84 x 3.60 x 1.50 | M130, C179, C130 |
| H3-UNV-39HSC | E-HID 39 W, Universal Voltage MH Side Leads | 123 x 91.5 x 38 | 4.84 x 3.60 x 1.50 | M130, C179, C130 |
| H4-120-50HSC | E-HID 50 W, 120V MH Side Leads | 89 x 75 x 30.5 | 3.50 x 2.95 x 1.20 | M110, M148 |
| H5-UNV-70HBC | E-HID 70 W, Universal Voltage MH Back Leads | 123 x 91.5 x 38 | 4.84 x 3.60 x 1.50 | M98, M139, C139, M143 |
| H5-UNV-70HSC | E-HID 70 W, Universal Voltage MH Side Leads | 123 x 91.5 x 38 | 4.84 x 3.60 x 1.50 | M98, M139, C139, M143 |
| H6-UNV-100HBC | E-HID 100 W, Universal Voltage MH Back Leads | 123 x 91.5 x 38 | 4.84 x 3.60 x 1.50 | M90, M140 |
| H6-UNV-100HSC | E-HID 100 W, Universal Voltage MH Side Leads | 123 x 91.5 x 38 | 4.84 x 3.60 x 1.50 | M90, M140 |
| H7-UNV-150HBC | E-HID 150 W, Universal Voltage MH Back Leads | 155 x 91.5 x 38 | 6.10 x 3.60 x 1.50 | M102, M142, C142, M81, M107 |
| H7-UNV-150HSC | E-HID 150 W, Universal Voltage MH Side Leads | 155 x 91.5 x 38 | 6.10 x 3.60 x 1.50 | M102, M142, C142, M81, M107 |
| H8-UNV-175HBC | E-HID 175 W, Universal Voltage MH Back Leads | 155 x 91.5 x 38 | 6.10 x 3.60 x 1.50 | M57, M152, M137 |
| H8-UNV-175HSC | E-HID 175 W, Universal Voltage MH Side Leads | 155 x 91.5 x 38 | 6.10 x 3.60 x 1.50 | M57, M152, M137 |



