



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	131 x 91.5 x 38	5.16 x 3.60 x 1.50	M130, C179, C130
H3-UNV-39HSC	E-HID 39 W, Universal Voltage MH Side Leads	131 x 91.5 x 38	5.16 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	131 x 91.5 x 38	5.16 x 3.60 x 1.50	M98, M139, C139, M143
H5-UNV-70HSC	E-HID 70 W, Universal Voltage MH Side Leads	131 x 91.5 x 38	5.16 x 3.60 x 1.50	M98, M139, C139, M143
H6-UNV-100HBC	E-HID 100 W, Universal Voltage MH Back Leads	131 x 91.5 x 38	5.16 x 3.60 x 1.50	M90, M140
H6-UNV-100HSC	E-HID 100 W, Universal Voltage MH Side Leads	131 x 91.5 x 38	5.16 x 3.60 x 1.50	M90, M140
H7-UNV-150HBC	E-HID 150 W, Universal Voltage MH Back Leads	164 x 91.5 x 38	6.46 x 3.60 x 1.50	M102, M142, C142, M81, M107
H7-UNV-150HSC	E-HID 150 W, Universal Voltage MH Side Leads	164 x 91.5 x 38	6.46 x 3.60 x 1.50	M102, M142, C142, M81, M107
H8-UNV-175HBC	E-HID 175 W, Universal Voltage MH Back Leads	164 x 91.5 x 38	6.46 x 3.60 x 1.50	M57, M152, M137
H8-UNV-175HSC	E-HID 175 W, Universal Voltage MH Side Leads	164 x 91.5 x 38	6.46 x 3.60 x 1.50	M57, M152, M137



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