ELECTRONIC HID BALLASTS

Commercial Lighting  2-6
Industrial Lighting  7-11
Street Lighting  12-13
Horticultural Lighting  14-15
**Definition:**
Electronic ballasts for applications with low wattage Metal Halide (MH) or Ceramic Metal Halide (CDM) lamps

**Applications:**
Business lighting, office lighting, residential lighting, stage lighting, architectural lighting, decorative lighting, advertising lighting, and more

**Features and Benefits:**
- More stable operation and faster warm-up time
- Fulham’s Electronic HID Ballasts extend lamp life up to 30%
- Fulham’s low wattage, low frequency Electronic HID Ballasts compensate for input voltage fluctuations and provide flicker-free operation
- Lamp End-Of-Life (EOL) protection
- Improved thermal performance

COMMERCIAL LIGHTING BALLASTS
20, 39, 70, 150 WATT 230V for MH/CDM Lamps
**Commercial Lighting Ballasts**

*20, 39, 70, 150 Watt 230V for MH/CDM Lamps*

<table>
<thead>
<tr>
<th>LAMP DATA</th>
<th>CATALOG NUMBER</th>
<th>INPUT VOLTS (V)</th>
<th>LINE CURRENT (A)</th>
<th>INPUT POWER (W)</th>
<th>MINIMUM POWER FACTOR</th>
<th>TC MAX (°C)</th>
<th>CASE &amp; WIRING DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>H1-230-20HSC</td>
<td>220-240</td>
<td>0.11</td>
<td>25</td>
<td>≥ 0.90</td>
<td>80</td>
<td>1</td>
</tr>
<tr>
<td>39</td>
<td>H2-230-35HSC</td>
<td>220-240</td>
<td>0.20</td>
<td>44</td>
<td>≥ 0.95</td>
<td>80</td>
<td>1</td>
</tr>
<tr>
<td>70</td>
<td>H5-230-70HSC</td>
<td>220-240</td>
<td>0.35</td>
<td>78</td>
<td>≥ 0.95</td>
<td>80</td>
<td>1</td>
</tr>
<tr>
<td>150</td>
<td>HXX-230-150-HBTS</td>
<td>220-240</td>
<td>0.77</td>
<td>167</td>
<td>≥ 0.95</td>
<td>80</td>
<td>2</td>
</tr>
</tbody>
</table>

(Please inquire about 50W and 100W models)

**Case Length**

- 110mm (4.37")
- 164mm (6.45")

**Case Width**

- 75mm (2.95")
- 91mm (3.58")

**Height**

- 32mm (1.26")
- 38mm (1.5")

**Mounting Length**

- 97.5mm (3.84")
- 154mm (6.06")

**Mounting Width**

- 63.5mm (2.5")
- 68.5mm (2.7")

**Mounting Height**

- 27.5mm (1.08")
- 29.5mm (1.16")

**Weight**

- 0.28kg (0.62lb)
- 0.56kg (1.23lb)

**Protections:**
- Lamp End-Of-Life (EOL) protection
- Short circuit protection
- Open circuit protection

**Installation and Application Notes:**
- Ambient Temperature: -20°C through +55°C
- Ignition pulse is 3-4kV max
- Remote Mounting up to 1.5m
- Power to lamp must be cycled (on/off/on) after replacing lamp
- Ballast output will shut down after 30 minutes if lamp fails to ignite

**Compliances and Approvals:**
- ISO 9001

**Performance Requirements:**
- Input Voltage: 220-240V, 50/60Hz
- Voltage Range: +/-10% of rated voltage
- Total Harmonic Distortion (THD):
  - 20W: <20%
  - 39W, 70W, 150W: <15%
- Operating Frequency (Typical): 175Hz
- Crest Factor: <1.5
COMMERCIAL LIGHTING BALLASTS

20, 39, 50 WATT 120V for MH/CDM Lamps
20, 39, 50, 70, 100, 150, 175 WATT 120-277V for MH/CDM Lamps

Definition:
Electronic ballasts for applications with low wattage Metal Halide (MH) or Ceramic Metal Halide (CDM) lamps

Applications:
Business lighting, office lighting, residential lighting, stage lighting, architectural lighting, decorative lighting, advertising lighting, and more

Features and Benefits:
- More stable operation and faster warm-up time
- Fulham’s Electronic HID Ballasts extend lamp life up to 30%
- Fulham’s low wattage, low frequency Electronic HID Ballasts compensate for input voltage fluctuations and provide flicker-free operation
- Lamp End-Of-Life (EOL) protection
- Improved thermal performance

<table>
<thead>
<tr>
<th>LAMP DATA</th>
<th>CATALOG NUMBER</th>
<th>INPUT VOLTS (V)</th>
<th>LINE CURRENT (A)</th>
<th>INPUT POWER (W)</th>
<th>MINIMUM POWER FACTOR</th>
<th>CASE &amp; WIRING DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>1 M156,C156,C175,M175</td>
<td>H1-120-22HSC</td>
<td>120</td>
<td>0.21</td>
<td>25</td>
<td>≥ 0.98</td>
</tr>
<tr>
<td>39</td>
<td>1 M130,C179,C130</td>
<td>H3-120-39HSC</td>
<td>120</td>
<td>0.37</td>
<td>44</td>
<td>≥ 0.98</td>
</tr>
<tr>
<td>50</td>
<td>1 M110,M1148</td>
<td>H4-120-50HSC</td>
<td>120</td>
<td>0.49</td>
<td>57</td>
<td>≥ 0.98</td>
</tr>
<tr>
<td>20</td>
<td>1 M156,C156,C175,M175</td>
<td>HXX-UNV-50-HBBCK</td>
<td>120-277</td>
<td>0.21A/120V</td>
<td>24</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>39</td>
<td>1 M130,C179,C130</td>
<td>H3-UNV-39HBC</td>
<td>120-277</td>
<td>0.37A/120V</td>
<td>44</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>50</td>
<td>1 M110,M1148</td>
<td>HXX-UNV-50-HBC</td>
<td>120-277</td>
<td>0.18A/277V</td>
<td>58</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>70</td>
<td>1 C/M96,C/M139,C/M143</td>
<td>H5-UNV-70HBC</td>
<td>120-277</td>
<td>0.66A/120V</td>
<td>78</td>
<td>≥ 0.90</td>
</tr>
<tr>
<td>100</td>
<td>1 M90,M140,M164</td>
<td>H6-UNV-100HSC</td>
<td>120-277</td>
<td>0.29A/277V</td>
<td>111</td>
<td>≥ 0.95</td>
</tr>
<tr>
<td>150</td>
<td>1 M102,M142,M/C142, M81/M107</td>
<td>H7-UNV-150HSC</td>
<td>120-277</td>
<td>0.42A/277V</td>
<td>164</td>
<td>≥ 0.95</td>
</tr>
<tr>
<td>175</td>
<td>1 M57,M152,M137</td>
<td>H8-UNV-175HBC</td>
<td>120-277</td>
<td>0.71A/277V</td>
<td>195</td>
<td>≥ 0.95</td>
</tr>
</tbody>
</table>
COMMERCIAL LIGHTING BALLASTS
20, 39, 50 WATT 120V for MH/CDM Lamps
20, 39, 50, 70, 100, 150, 175 WATT 120-277V for MH/CDM Lamps

**Case Dimensions and Weight:**

<table>
<thead>
<tr>
<th>Case Length</th>
<th>Case Width</th>
<th>Height</th>
<th>Mounting Length</th>
<th>Mounting Width</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>140mm (5.51&quot;)</td>
<td>91.5mm (3.60&quot;)</td>
<td>38mm (1.50&quot;)</td>
<td>131mm (5.16&quot;)</td>
<td>73.5mm (2.89&quot;)</td>
<td>0.59kg (1.30lb)</td>
</tr>
</tbody>
</table>

**Compliances and Approvals:**
- cULus Listed (Outdoor Type 1)
- FCC Part 18, for Non-Consumer Equipment
- ISO 9001

**Protection:**
- Lamp End-Of-Life (EOL) protection
- Short circuit protection
- Open circuit protection
- Ignition failure protection
- Thermal protection, UNV 120-277V models only

**Installation and Application Notes:**
- Ambient Temperature: -20°C through +55°C
- Ignition pulse is 3-4kV max
- Remote Mounting up to 1.5m
- Power to lamp must be cycled (on/off/on) after replacing lamp
- Ballast output will shut down after 30 minutes if lamp fails to ignite

**Performance Requirements:**
- Input Voltage: See chart on previous page for 120V and UNV 120-277V, 50/60Hz models
- Voltage Range: +/-10% of rated voltage
- Total Harmonic Distortion (THD):
  - 20W: <25%
  - 39W, 50W, 70W, 100W: <20%
  - 150W, 175W: <15%
- Operating Frequency (Typical): 175Hz
- Crest Factor: <1.5
## COMMERCIAL LIGHTING BALLASTS

### 20, 39, 50 WATT 120V for MH/CDM Lamps

### 20, 39, 50, 70, 100, 150, 175 WATT 120-277V for MH/CDM Lamps

<table>
<thead>
<tr>
<th>CASE LENGTH</th>
<th>CASE WIDTH</th>
<th>HEIGHT</th>
<th>MOUNTING LENGTH</th>
<th>MOUNTING WIDTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>140mm (5.51&quot;)</td>
<td>91.5mm (3.60&quot;)</td>
<td>38mm (1.50&quot;)</td>
<td>131mm (5.16&quot;)</td>
<td>73.5mm (2.89&quot;)</td>
<td>0.70kg (1.54lb)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CASE LENGTH</th>
<th>CASE WIDTH</th>
<th>HEIGHT</th>
<th>MOUNTING LENGTH</th>
<th>MOUNTING WIDTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>164mm (6.46&quot;)</td>
<td>91.5mm (3.60&quot;)</td>
<td>38mm (1.50&quot;)</td>
<td>155mm (6.10&quot;)</td>
<td>73.5mm (2.89&quot;)</td>
<td>0.70kg (1.54lb)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CASE LENGTH</th>
<th>CASE WIDTH</th>
<th>HEIGHT</th>
<th>MOUNTING LENGTH</th>
<th>MOUNTING WIDTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>164mm (6.46&quot;)</td>
<td>91.5mm (3.60&quot;)</td>
<td>38mm (1.50&quot;)</td>
<td>155mm (6.10&quot;)</td>
<td>73.5mm (2.89&quot;)</td>
<td>0.70kg (1.54lb)</td>
</tr>
</tbody>
</table>
INDUSTRIAL LIGHTING BALLASTS
250, 400 WATT 230V for MH/HPS Lamps

Definition:
Electronic ballasts for applications with low wattage Metal Halide (MH) or High Pressure Sodium (HPS) lamps

Applications:
Widely used in street lighting, stadium lighting, and industrial lighting

Features and Benefits:
• Designed and manufactured with premium long-life components
• Dimming options available, such as: 0-10V, preset program dimming, and step dimming
• Communications protocol: Zigbee, DALI, and GSM
• Easy initial installation or field replacement of magnetic ballasts
• Fulham’s Electronic HID Ballasts compensate for input voltage fluctuations and provide flicker-free operation
INDUSTRIAL LIGHTING BALLASTS
250, 400 WATT 230V for MH/HPS Lamps

<table>
<thead>
<tr>
<th>LAMP DATA</th>
<th>CATALOG NUMBER</th>
<th>INPUT VOLTS (V)</th>
<th>LINE CURRENT (A)</th>
<th>INPUT POWER (W)</th>
<th>MINIMUM POWER FACTOR</th>
<th>TC MAX (ºC)</th>
<th>CASE &amp; WIRING DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>HGE-230-250-JSSLK</td>
<td>220-240</td>
<td>1.23</td>
<td>275</td>
<td>≥ 0.98</td>
<td>80</td>
<td>8</td>
</tr>
<tr>
<td>400</td>
<td>HGE-230-400-JSSLK</td>
<td>220-240</td>
<td>1.93</td>
<td>430</td>
<td>≥ 0.98</td>
<td>80</td>
<td>8</td>
</tr>
</tbody>
</table>

Protections:
- Lamp End-Of-Life (EOL) protection
- Short circuit protection
- Open circuit protection
- Ignition failure protection
- Thermal protection

Installation and Application Notes:
- Ambient Temperature: -30°C through +50°C
- Ignition pulse is 5kV max
- Remote Mounting up to 1.5m
- Power to lamp must be cycled (on/off/on) after replacing lamp
- Ballast output will shut down after 30 minutes if lamp fails to ignite

Compliances and Approvals:
- CE Marking
- ISO 9001

Performance Requirements:
Input Voltage: 220-240V, 50/60Hz
Voltage Range: +/-10% of rated voltage
Total Harmonic Distortion (THD): <10%
Operating Frequency (Typical): 70-120kHz
Crest Factor: <1.7

CASE LENGTH | CASE WIDTH | HEIGHT | MOUNTING LENGTH | MOUNTING WIDTH | WEIGHT
-------------|------------|--------|-----------------|----------------|--------
214mm (8.43") | 98.5mm (3.88") | 58.7mm (2.31") | 202mm (7.95") | 80mm (3.15") | 1.3kg (2.87lb)
INDUSTRIAL LIGHTING BALLASTS
250, 400 WATT 230V for MH/CDM Lamps

**Definition:**
Electronic ballasts for applications with low wattage Metal Halide (MH) or Ceramic Metal Halide (CDM) lamps

**Applications:**
Widely used in buildings, bollard fixtures, flood lights, small sculptured eaves, and more

**Features and Benefits:**
- More stable operation and faster warm-up time
- Fulham’s Electronic HID Ballasts extend lamp life up to 30%
- Fulham’s low wattage, low frequency Electronic HID Ballasts compensate for input voltage fluctuations and provide flicker-free operation
- Lamp End-Of-Life (EOL) protection
- Improved thermal performance

<table>
<thead>
<tr>
<th>LAMP DATA</th>
<th>CATALOG NUMBER</th>
<th>INPUT VOLTS (V)</th>
<th>LINE CURRENT (A)</th>
<th>INPUT POWER (W)</th>
<th>MINIMUM POWER FACTOR</th>
<th>TC MAX (ºC)</th>
<th>CASE &amp; WIRING DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>1 HXE-230-250-HBSLS</td>
<td>220-240</td>
<td>1.23</td>
<td>275</td>
<td>≥ 0.98</td>
<td>80</td>
<td>9</td>
</tr>
<tr>
<td>400</td>
<td>1 HXE-230-400-HBSLS</td>
<td>220-240</td>
<td>1.93</td>
<td>430</td>
<td>≥ 0.98</td>
<td>80</td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CASE LENGTH</th>
<th>CASE WIDTH</th>
<th>HEIGHT</th>
<th>MOUNTING LENGTH</th>
<th>MOUNTING WIDTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>240mm (9.44&quot;)</td>
<td>95mm (3.74&quot;)</td>
<td>65mm (2.56&quot;)</td>
<td>226mm (8.90&quot;)</td>
<td>40mm (1.57&quot;)</td>
<td>0.85kg (1.87lb)</td>
</tr>
</tbody>
</table>
INDUSTRIAL LIGHTING BALLASTS

140, 150 WATT 230V and 150 WATT 120-277V for use with:
PHILIPS CosmoWhite 140W Lamps
GE StreetWise™ 150W Lamps
SYLVANIA Urban White 140W Lamps

Definition:
Electronic ballasts for applications with low wattage Metal Halide (MH) or Ceramic Metal Halide (CDM) lamps

Applications:
Outdoor: Road lighting, port lighting, recreational park lighting, etc.
Indoor: Large (highbay) retail outlets, warehouses, manufacturing facilities, etc.

Features and Benefits:
• Designed for newer energy efficient lamps
• Up to 118lm/W, perfect for OEM or retrofit applications
• 2800K color temperature, Ra 66
• Compact housing is easy to install and suitable for small lamp fixtures
• Up to 20,000 hours lifetime
• 50%-100% dimming
• Waterproof rating: IP65
• Improved thermal performance
## Industrial Lighting Ballasts

**140, 150 Watt 230V and 150 Watt 120-277V** for use with:

- Philips CosmoWhite **140W** Lamps
- GE StreetWise™ **150W** Lamps
- Sylvania Urban White **140W** Lamps

### LAMP DATA

<table>
<thead>
<tr>
<th>Watts</th>
<th>Number</th>
<th>Catalog Number</th>
<th>Input Volts (V)</th>
<th>Line Current (A)</th>
<th>Input Power (W)</th>
<th>Minimum Power Factor</th>
<th>TC Max (°C)</th>
<th>Case &amp; Wiring Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>140</td>
<td>1</td>
<td>HXX-230-140-HSSLW</td>
<td>220-240</td>
<td>0.71</td>
<td>156</td>
<td>≥ 0.95</td>
<td>80</td>
<td>10</td>
</tr>
<tr>
<td>150</td>
<td>1</td>
<td>HXX-UNV-150-JSSLW</td>
<td>120-277</td>
<td>1.54 (120V)</td>
<td>167</td>
<td>0.61 (277V)</td>
<td>80</td>
<td>10</td>
</tr>
</tbody>
</table>

### Lamp Data

<table>
<thead>
<tr>
<th>Watts</th>
<th>Number</th>
<th>Catalog Number</th>
<th>Input Volts (V)</th>
<th>Line Current (A)</th>
<th>Input Power (W)</th>
<th>Minimum Power Factor</th>
<th>TC Max (°C)</th>
<th>Case &amp; Wiring Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>1</td>
<td>HXX-230-150-JSSLW</td>
<td>220-240</td>
<td>0.77</td>
<td>167</td>
<td>≥ 0.95</td>
<td>80</td>
<td>10</td>
</tr>
</tbody>
</table>

### Compliances and Approvals:

- cULus Listed (Outdoor Type 1)
- FCC Part 18, for Non-Consumer Equipment
- ISO 9001: 2008

### Performance Requirements:

- Input Voltage: See above chart for 230V and UNV 120-277V, 50/60Hz models
- Voltage Range: +/-10% of rated voltage
- Total Harmonic Distortion (THD):
  - 220-240V 140W, 150W: <10%
  - 120-277V 150W: <15%
- Operating Frequency (Typical): 175Hz
- Crest Factor: <1.7

### Protections:

- Lamp End-Of-Life (EOL) protection
- Short circuit protection
- Open circuit protection
- Ignition failure protection
- Thermal protection

### Installation and Application Notes:

- Ambient Temperature: -30°C through +50°C
- Ignition pulse is 5kV max
- Remote Mounting up to 1.5m
- Power to lamp must be cycled (on/off/on) after replacing lamp
- Ballast output will shut down after 30 minutes if lamp fails to ignite

### Protected Area:

- IP65

### Case Dimensions:

<table>
<thead>
<tr>
<th>Case Length</th>
<th>Case Width</th>
<th>Height</th>
<th>Mounting Length</th>
<th>Mounting Width</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>182mm (7.17&quot;)</td>
<td>113mm (4.45&quot;)</td>
<td>41mm (1.61&quot;)</td>
<td>173mm (6.81&quot;)</td>
<td>70mm (2.76&quot;)</td>
<td>1.23kg (2.71lb)</td>
</tr>
</tbody>
</table>

---

**Diagram:**

[Diagram of ballast and case dimensions]
Around the globe, "green" technology is quickly becoming the preferred choice for lighting due to its energy saving properties and ROI potential. At Fulham, we are committed to promoting the adoption of cost efficient lighting technologies in new fields. For example, we offer a complete EHID road lighting solution that reduces power consumption by 40-60% compared with traditional street lights.

Features and Benefits:
- Easily retrofit existing magnetic ballast applications
- One Fulham Electronic HID ballast replaces a magnetic ballast, capacitor, and ignitor
- More stable operation and faster warm-up time
- Fulham’s Electronic HID Ballasts extend lamp life up to 30%
- Fulham’s low wattage, low frequency Electronic HID Ballasts compensate for input voltage fluctuations and provide flicker-free operation
- Lamp End-Of-Life (EOL) protection
- Improved thermal performance
- Waterproof rating: IP65

Applications:
Street lighting, port lighting, recreational park lighting, etc.
STREET LIGHTING BALLASTS
150 WATT 230V for MH/HPS Lamps

<table>
<thead>
<tr>
<th>WATTS</th>
<th>NUMBER</th>
<th>SOURCE</th>
<th>CATALOG NUMBER</th>
<th>INPUT VOLTS (V)</th>
<th>LINE CURRENT (A)</th>
<th>INPUT POWER (W)</th>
<th>MINIMUM POWER FACTOR</th>
<th>TC MAX (°C)</th>
<th>CASE &amp; WIRE DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>1</td>
<td>MH&amp;HPS</td>
<td>HGE-230-150-JSSLW</td>
<td>220-240</td>
<td>0.77</td>
<td>167</td>
<td>≥ 0.95</td>
<td>80</td>
<td>11</td>
</tr>
</tbody>
</table>

Protections:
- Lamp End-Of-Life (EOL) protection
- Short circuit protection
- Open circuit protection
- Ignition failure protection
- Thermal protection

Performance Requirements:
- Input Voltage: 220–240V, 50/60Hz
- Voltage Range: +/-10% of rated voltage
- Total Harmonic Distortion (THD): <15%
- Operating Frequency (Typical): 175Hz
- Crest Factor: <1.7

Installation and Application Notes:
- Ambient Temperature: -40°C through +50°C
- Ignition pulse is 5kV max
- Remote Mounting up to 1.5m
- Power to lamp must be cycled (on/off/on) after replacing lamp
- Ballast output will shut down after 30 minutes if lamp fails to ignite
<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>NOTES</th>
<th>APPROVAL</th>
<th>INPUT VOLTAGE (V)</th>
<th>INPUT CURRENT (A)</th>
<th>INPUT POWER (W)</th>
<th>LAMP TYPE (W/V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HXX-277-1K-JGSHW</td>
<td></td>
<td></td>
<td>277</td>
<td>3.9</td>
<td>1050</td>
<td>1000/400</td>
</tr>
<tr>
<td>HXX-480-575-JGSCW</td>
<td></td>
<td></td>
<td>480</td>
<td>1.3</td>
<td>605</td>
<td>575/230</td>
</tr>
<tr>
<td>HXX-277-600-JGSHW</td>
<td></td>
<td></td>
<td>277</td>
<td>2.3</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HXX-347-600-JGSHW</td>
<td></td>
<td></td>
<td>347</td>
<td>1.9</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HXX-480-600-JGCUS</td>
<td>UL</td>
<td></td>
<td>480</td>
<td>1.37</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HPX-MLT-600-JGSLB</td>
<td>UL</td>
<td>120-240</td>
<td>5.5/2.75</td>
<td>650/630</td>
<td>600/230</td>
<td></td>
</tr>
<tr>
<td>HPX-MLT-600-JGSLK</td>
<td>UL</td>
<td>120-240</td>
<td>5.5/2.75</td>
<td>650/630</td>
<td>600/230</td>
<td></td>
</tr>
<tr>
<td>HPX-MLT-600-JGSLM1</td>
<td>UL 3 step</td>
<td>120-240</td>
<td>5.5/2.75</td>
<td>650/630</td>
<td>600/230</td>
<td></td>
</tr>
<tr>
<td>HXX-MLT-600-JGSLM</td>
<td>UL</td>
<td>120-240</td>
<td>5.5/2.75</td>
<td>650/630</td>
<td>600/230</td>
<td></td>
</tr>
<tr>
<td>HXX-277-750-JGSHW</td>
<td></td>
<td></td>
<td>277</td>
<td>2.91</td>
<td>645</td>
<td>600/230</td>
</tr>
<tr>
<td>HXX-347-750-JGCUS</td>
<td>UL</td>
<td></td>
<td>347</td>
<td>2.31</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HXX-277-1K-JGTUS</td>
<td>UL</td>
<td></td>
<td>277</td>
<td>3.85</td>
<td>1050</td>
<td>1000/400</td>
</tr>
<tr>
<td>HXX-347-1K-JGTUS</td>
<td>UL</td>
<td></td>
<td>347</td>
<td>3.07</td>
<td>1050</td>
<td>1000/400</td>
</tr>
<tr>
<td>HXX-347-1K-JGSHW</td>
<td>UL</td>
<td></td>
<td>347</td>
<td>3.07</td>
<td>1050</td>
<td>1000/400</td>
</tr>
<tr>
<td>HXX-400-1K-JGSHW</td>
<td>UL</td>
<td></td>
<td>400</td>
<td>2.61</td>
<td>1045</td>
<td>1000/400</td>
</tr>
<tr>
<td>HPX-MLT-1K-JGSLK</td>
<td>UL</td>
<td>120-240</td>
<td>9.2/4.5</td>
<td>1110/1070</td>
<td>1000/400</td>
<td></td>
</tr>
<tr>
<td>HPX-MLT-1K-JGSLM1</td>
<td>UL 3 step</td>
<td>120-240</td>
<td>9.2/4.5</td>
<td>1110/1070</td>
<td>1000/400</td>
<td></td>
</tr>
<tr>
<td>HXX-MLT-1K-JGSLB</td>
<td>UL</td>
<td>120-240</td>
<td>9.2/4.5</td>
<td>1110/1070</td>
<td>1000/400</td>
<td></td>
</tr>
<tr>
<td>HXX-MLT-1K-JGSLM</td>
<td>UL</td>
<td>120-240</td>
<td>9.2/4.5</td>
<td>1110/1070</td>
<td>1000/400</td>
<td></td>
</tr>
<tr>
<td>HXX-230-600-SGTL5</td>
<td></td>
<td></td>
<td>230</td>
<td>2.85</td>
<td>645</td>
<td>600/230</td>
</tr>
<tr>
<td>HXE-230-600-SGCUS</td>
<td></td>
<td></td>
<td>230</td>
<td>2.85</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HXX-347-600-SGCUS</td>
<td></td>
<td></td>
<td>347</td>
<td>1.88</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HXX-347-600-SGSHW</td>
<td></td>
<td></td>
<td>347</td>
<td>1.9</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HXX-347-750-SGCUS</td>
<td></td>
<td></td>
<td>347</td>
<td>2.31</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HME-400-750-SGCUS</td>
<td></td>
<td></td>
<td>400</td>
<td>1.98</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HXE-400-750-SGTUS</td>
<td></td>
<td></td>
<td>400</td>
<td>1.98</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HXE-400-750-SGCUS</td>
<td></td>
<td></td>
<td>400</td>
<td>1.98</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HXE-400-1K-SGTUS</td>
<td></td>
<td></td>
<td>400</td>
<td>2.61</td>
<td>1045</td>
<td>1000/400</td>
</tr>
<tr>
<td>HXX-480-750-JGSCW</td>
<td></td>
<td></td>
<td>480</td>
<td>1.68</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HXX-480-750-JGCUS</td>
<td>UL</td>
<td></td>
<td>480</td>
<td>1.68</td>
<td>790</td>
<td>750/400</td>
</tr>
<tr>
<td>HXE-400-600-SGTUS</td>
<td></td>
<td></td>
<td>400</td>
<td>1.61</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HXX-380-600-SGSHW</td>
<td></td>
<td></td>
<td>380</td>
<td>1.37</td>
<td>645</td>
<td>600/400</td>
</tr>
<tr>
<td>HPX-MLT-1K-JGSLG1</td>
<td>UL</td>
<td>120-240</td>
<td>9.2/4.5</td>
<td>1110/1070</td>
<td>1000/400</td>
<td></td>
</tr>
<tr>
<td>HXX-MLT-600-JGSLW</td>
<td>UL</td>
<td>120-240</td>
<td>5.5/2.75</td>
<td>650/630</td>
<td>600/230</td>
<td></td>
</tr>
<tr>
<td>HXX-MLT-1K-JGSLW</td>
<td>UL</td>
<td>120-240</td>
<td>9.2/4.5</td>
<td>1110/1070</td>
<td>1000/400</td>
<td></td>
</tr>
</tbody>
</table>