One ballast satisfies all U.S. voltage applications

Function
Advance Transformer developed the 5-TAP™ family of HID ballasts to support the lighting industry’s growing desire for products that enable flexibility and ease of installation in the new fixture and replacement markets. Each ballast features 120, 208, 240, 277, and 480 volt, 60Hz inputs, making it suitable for the complete range of U.S. commercial and industrial applications.

Design Highlights
- The new 5-TAP™ adds a 480 volt input lead to the widely-accepted Quadri-volt™ designs. With this capability the 5-TAP™ serves all U.S. voltage applications.
- The 120 input on 5-TAP™ ballasts is also suitable as an output for powering quartz standby lighting for installations where 120V is not available. The common practice of ordering special ballasts with a 120V output tap for applications requiring quartz standby lighting is not necessary when installing Advance 5-TAP™ ballasts.
- The construction of the 5-TAP™ incorporates the reliable, high-performance design features of all Advance HID ballasts, the most widely used ballasts in the industry. Those features include vacuum-pressure impregnation, pre-insulated input leads, 100°C dry-film capacitors (400 watts and below), and 105°C ignitors (HPS).

Applications
- Virtually any industrial or commercial HID requirement for 250, 400, or 1000 watt Metal Halide or High Pressure Sodium lamps

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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</table>
| Five input voltage leads: 120/208/240/277/480V | • Reduces costs associated with inventory and field installation errors  
• Eliminates the need for a different ballast in emergency quartz light applications |
| Vacuum-pressure impregnation core and coil | • Maximizes ballast life due to superior heat dissipation and moisture elimination  
• Quiet operation |
| Pre-insulated input voltage leads | • No exposed live parts allows for safe installation  
• Saves time and effort – no need to cap off unused leads |
| Dry-film capacitors for units rated 400 watt and below | • No exposed live parts and no grounding requirements makes installation safe and easy  
• 100°C rating (versus 90°C for oil-filled capacitors) = longer life and fixture design flexibility  
• Smaller size than oil-filled capacitors - no fit problems |
| Pre-wired ignitor (high pressure sodium) in all Distributor Replacement Kits | • Speeds up installation and minimizes wiring errors |
| Comparable in size to industry accepted single and multi-input voltage ballasts | • No fit problems  
• Straightforward installation |
# Advance 5-TAP Specifications

## Metal Halide

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<tbody>
<tr>
<td>120/208/240/277/480</td>
<td>71A5750/71A5750-001D</td>
<td>CWA</td>
<td>290</td>
<td>2.6/1.5/1.4/1.1/6.5</td>
<td>315</td>
<td>8/5/5/3</td>
<td>A</td>
<td>10</td>
<td>1.75</td>
<td>A/B/A/B</td>
<td>-</td>
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<tr>
<td>71A8753</td>
<td>43/8&quot;</td>
<td>41/4&quot;</td>
<td>53/8&quot;</td>
<td>Max. Dist. To Lamp: Class H (180°C) ADVANCE Class N (200°C)</td>
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### Ordering Information:
- Replacement/retrofit ballast kits indicated by bold type with suffix -001(D).
- Original equipment ballasts - add proper suffix to catalog number:
  - -500D includes core and coil with dry-film capacitor
  - -510D includes core and coil with welded bracket and dry-film capacitor
  - -500 includes core and coil with oil-filled capacitor
  - -510 includes core and coil with welded bracket and oil-filled capacitor
  - -600 core and coil only (no capacitor)
  - -610 core and coil with welded bracket (no capacitor)

- For CWA circuits, figure is operating current.

- For details refer to Advance Class N 200°C Insulation data sheet (Form No. HI-4030-R01).

## High Pressure Sodium

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<tbody>
<tr>
<td>120/208/240/277/480</td>
<td>71A6552/71A6552-001</td>
<td>CWA</td>
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<td>22/15/12</td>
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<td>22</td>
<td>1.75</td>
<td>1.1/1 5/3</td>
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## Welded Bracket Dimensions

<table>
<thead>
<tr>
<th>Ballast Dimensions Fig</th>
<th>L</th>
<th>W</th>
<th>M</th>
<th>S</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>6.5</td>
<td>1.25</td>
<td>5.75</td>
<td>0.28</td>
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<tr>
<td>8</td>
<td>7.8</td>
<td>2.75</td>
<td>6.13</td>
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<tr>
<td>8a</td>
<td>7.8</td>
<td>4.50</td>
<td>6.75</td>
<td>0.31</td>
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</tbody>
</table>

**Dimensions:**
- L: Length (in)
- W: Width (in)
- M: Max Dist. to Lamp (in)
- S: Max Case Temp (100°C) (in)

**Welded Bracket Dimensions:**
- Max Case Temp: 100°C
- Case must be grounded

### Diagrams:
- Fig. 2: 4" dia x 4½" core
- Fig. A: 1½" dia x 4½" core
- Fig. B, 8a: 4½" dia x 6" core