### APPLICATION and PERFORMANCE SPECIFICATION

**Description:** Electronic ballast for (4/3/2/1) F54T5HO, (4/3) FT50W/2G11, (4/3) FT55W/2G11 fluorescent lamps

- Line Voltage: 120 - 277 vac, ±10%, 50/60Hz
- Auto Reset End of Lamp Life Shutdown Circuitry
- Programmed Rapid Start
- Active Power Factor Correction
- Series-parallel Lamp Operation

### Performance:

- Meets ANSI Standard C82.11-1993
- Meets FCC Part 18 (Class A) for EMI and RFI
- Meets ANSI Standard C82.11-1993
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### Non-Consumer Limits

- Maximum Case Temperature: 0° F, -18° C
- Minimum Starting Temperature: -20° F, -29° C
- Sound Rated: Non-Consumer
- Remote Mounting: Up to 20 ft.
- Consult factory for Tandem Wiring

### Application Notes:

- "SW" controls the lamps connected between the Brown and Yellow leads
- For lamp switching applications, connect "SW" between the white and the grey leads as shown in the wiring diagram above OR between the Black and Grey leads. The switch "SW" may be an on-off switch, an occupancy sensor, a relay, etc.
- If lamp switching is not required, short the white and grey leads OR the black and the grey leads
- A single control device, "SW", may be connected to control multiple ballasts
- For three lamp use: Individually cap Blue/White or Orange leads.

### Warranty:

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 3 years from date of manufacture when properly installed and under normal conditions of use. Call 1-800-BALLAST for technical assistance.

### Ballast Must be Grounded

#### Table: Physical Parameters

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Input Watts</th>
<th>Nominal Line Amps</th>
<th>Power Factor</th>
<th>Ballast Factor</th>
<th>Ballast Efficacy Factor</th>
<th>Harmonic Factor</th>
<th>Crest Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>F54T5HO</td>
<td>4 120</td>
<td>235</td>
<td>1.96 &gt;.98</td>
<td>1.00</td>
<td>0.43</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>F54T5HO</td>
<td>4 277</td>
<td>229</td>
<td>0.84 &gt;.99</td>
<td>1.00</td>
<td>0.44</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>F54T5HO</td>
<td>3 120</td>
<td>184</td>
<td>1.52 &gt;.98</td>
<td>1.05</td>
<td>0.57</td>
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<tr>
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<td>182</td>
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<td>0.58</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
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<tr>
<td>F54T5HO</td>
<td>2 120</td>
<td>122</td>
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<tr>
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<td>121</td>
<td>0.44 &gt;.95</td>
<td>1.00</td>
<td>0.83</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>F54T5HO</td>
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<td>65</td>
<td>0.54 &gt;.95</td>
<td>1.05</td>
<td>1.02</td>
<td>&lt;15%</td>
<td>&lt;1.7</td>
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<tr>
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<td>1 277</td>
<td>65</td>
<td>0.26 &gt;.90</td>
<td>1.05</td>
<td>1.62</td>
<td>&lt;20%</td>
<td>&lt;1.7</td>
</tr>
<tr>
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<td>4 120</td>
<td>229</td>
<td>1.91 &gt;.98</td>
<td>0.90</td>
<td>0.39</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>FT50W2G11</td>
<td>4 277</td>
<td>223</td>
<td>0.80 &gt;.98</td>
<td>0.90</td>
<td>0.40</td>
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<tr>
<td>FT50W2G11</td>
<td>3 120</td>
<td>174</td>
<td>1.45 &gt;.98</td>
<td>0.93</td>
<td>0.53</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>FT50W2G11</td>
<td>3 277</td>
<td>171</td>
<td>0.62 &gt;.95</td>
<td>0.93</td>
<td>0.34</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>FT50W2G11</td>
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<td>240</td>
<td>1.98 &gt;.98</td>
<td>1.10</td>
<td>0.46</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>FT50W2G11</td>
<td>4 277</td>
<td>235</td>
<td>0.84 &gt;.98</td>
<td>1.10</td>
<td>0.47</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>FT50W2G11</td>
<td>3 120</td>
<td>179</td>
<td>1.49 &gt;.98</td>
<td>1.13</td>
<td>0.63</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>FT50W2G11</td>
<td>3 277</td>
<td>177</td>
<td>0.64 &gt;.95</td>
<td>1.13</td>
<td>0.64</td>
<td>&lt;10%</td>
<td>&lt;1.7</td>
</tr>
</tbody>
</table>

Application and Performance Specification Information Subject to Change without Notification.

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### Diagram:

- **Diagram of Lamp Wiring:**
  - Blue/White: 3 Lamps
  - Blue/Red: 2 Lamps
  - Brown: 3 Lamps
  - Yellow, Grey: 3 Lamps
  - Orange: 2 Lamps

### Carton Quantity:

- 10 pieces

### Weight:

- 1.10 kg

### DimENSIONS:

- 431.5 mm
- 48" (± 1")

**Universal Lighting Technologies 1-800-BALLASTx800**