**Ballast Installation Requirements**

**Sockets** Lutron and NEMA recommend sockets complying with IEC 60400. Inspect sockets for marks to ensure the socket complies with IEC 60400. Two examples of these marks are: 

* E2, and * E3. Sockets must have a ® mark as well. Use Rapid Start sockets.

Do NOT use Instant Start sockets.

See Lutron® App Note #122 or NEMA doc LSD-34-2006.

**Socket Wiring:**
Use 18 AWG (0.75 mm²) solid copper or tinned stranded wire. Refer to ballast label and socket manufacturer for proper strip length.

Make sure yellows are wired in parallel, not in series.

**Correct**

**Incorrect**

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**Lamp Socket Wiring Tester**

Use Socket Tester (FDB-LSWT-T5/T8) to verify proper lamp holder wiring.

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**Ballast Mounting**

Mount ballast flush against fixture to provide best heat transfer. Also, avoid mounting ballast close to heat source such as fixture cover plate.

**Correct**

**Incorrect**

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**Side by side mounting**

**Not to be used in high-amp applications.**

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**Ballast must be electrically grounded for proper performance and to meet UL® & NEC® requirements. Grounding should be accomplished with paint piercing mounting hardware to ensure electrical connection through ballast enclosure and through fixture.**

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When installing more than one ballast in a fixture, contact Lutron Technical Support at 1.800.523.9466 for specific guidelines to maximize performance.

**Lamp Mounting Height Requirements:**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Lamp Mounting Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8 Linear</td>
<td>1/8 in to 3/4 in (0.32 mm to 19.1 mm)</td>
</tr>
<tr>
<td>T5 Linear</td>
<td>1/16 in to 3/8 in (1.6 mm to 9.5 mm)</td>
</tr>
<tr>
<td>T5 TwinTube</td>
<td>1/16 in to 1/2 in (1.6 mm to 12.7 mm)</td>
</tr>
</tbody>
</table>

**IMPORTANT:** Lamps must never touch ground plane and should be placed without obstruction.

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**Warranty**

For Lutron's ballast warranty, please visit www.lutron.com. Lutron's warranty does not cover costs or damages caused by misapplication or improper installation.