**Lutron® angled coupler roller shade chassis addendum**

**Installation Instructions**

**Tools required:**
- Tape Measure
- 1/4" Hex Head Driver
- Level
- Pliers
- Power Drill
- 2 Phillips Screwdriver
- 1/4" Open Ended Wrench

**Notes:**
- **NOTICE:**
  - Lutron systems are intended for use with only Lutron hardware, controls, and power supplies.
- **CAUTION:**
  - Maintain sufficient clearance between the moving shade and any object.
- **Risk of falling objects.**
  - Securely install the roller shade system per the mounting instructions. Failure to do so could result in minor or moderate injury.
  - If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.
- **Ambient operating temperature:** 32 °F - 104 °F
  - Indoor use only.
- **Lutron systems are intended for use with only Lutron hardware, controls, and power supplies.**
- **Risk of falling objects.**
  - Verify the shade is level and is in the desired projection and lateral position. If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.

**Box Contents:**

- **Included in shade box:**
  - Angled Roller Shade
  - Roller Shade

- **Included in hardware box:**
  - (4) Angled Coupler Sub-Bracket
  - (4) Coupler Mounting Screw (4 in - 32 x 1/8 in)
  - (8) Sub-Bracket Mounting Screws (4 in - 1/4 in)
  - 5/64 Hex Key

**Mounting Screws**
- (4) per bracket
- (4) Sub-Bracket Mounting Screws
- (4) ½ in (13 mm) screws
- (4) 1 in (25 mm) screws
- (4) Hub set screw
- (4) Level adjustment screws
- (4) Lateral adjustment screws

**Mount the drive shade (continued)**

1. Mount the drive shade
   - Left drive 3 panel system shown
   - **CAUTION:** Risk of falling objects. Always use two people when mounting shades. Failure to do so could result in minor or moderate injury.

2. Mount the angled coupler to the angled coupler sub-bracket closest to the drive end and with two ½ in (13 mm) screws.

3. Mount the drive shade
   - Right drive 3 panel system shown
   - **CAUTION:** Risk of falling objects. Securely install the roller shade system per the mounting instructions. Failure to do so could result in minor or moderate injury.

4. Mount the Center Shade
   - Three shade system only – for a two shade system proceed to step 5
   - Insert the hub of the remaining angled coupler into the far end of the center shade (the end farthest from the drive end). Tighten the setscrews to lock the angled coupler hub in the tube.

5. Mount the idler shade
   - Slide the end of the shade closest to the drive end, over the remaining hub of the angled coupler farthest from the drive end. Tighten the setscrews in the tube adapter to secure the end of the shade to the hub.

6. Slide the other end of the shade over the remaining hub of the first angled coupler. Tighten the setscrews in the tube adapter to secure the end of the shade to the angled coupler hub.

7. **Verify the hub is fully inserted in the tube adapter before tightening the setscrews.**

8. **Verify the shaded is level and is in the desired projection and lateral position.** If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.

9. **Verify the shade is level and is in the desired projection and lateral position.** If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.

**Mounts the drive end to the drive end sub-bracket and secure the retaining screw. Refer to the Chassis Installation Guide included for your mounting type. Ceiling mount shown.**

**Mount the drive end bracket to the drive end sub-bracket and secure the retaining screw.**

**Level adjustment screws - Qty: 2**

**Lateral adjustment screw - Qty: 4**

**Mount the drive shade**

1. Locate bracket positions
   - Locate the angled coupler sub-bracket marks on the ceiling made during the measuring process. Mark the locations of the drive and idler end brackets as indicated below, using the measured width dimensions of the shades provided.

2. Mount the angled coupler sub-bracket(s) at the marked locations with four 1-½ in (44 mm) screws per bracket.

3. Align the tube end alignment holes in the drive and idler sub-brackets with the mark. Mount with the 1-½ in (44 mm) screws provided. Refer to the Chassis Installation Guide included for your mounting type. Ceiling mount shown.

4. Mount the Drive Shade
   - Left drive 3 panel system shown
   - **CAUTION:** Risk of falling objects. Always use two people when mounting shades. Failure to do so could result in minor or moderate injury.

5. Mount the angled coupler to the angled coupler sub-bracket closest to the drive end and with two ½ in (13 mm) screws.

6. Slide the non-drive end of the shade over the angled coupler hub closest to the drive end. Tighten the setscrews in the tube adapter to secure the shade to the angled coupler hub.

**Verify the angled coupler hub is fully inserted in the tube adapter before tightening the setscrews.**

**Mount Idler Shade**

1. Locate bracket positions
   - Locate the angled coupler sub-bracket marks on the ceiling made during the measuring process. Mark the locations of the drive and idler end brackets as indicated below, using the measured width dimensions of the shades provided.

2. Mount the angled coupler sub-bracket(s) at the marked locations with four 1-½ in (44 mm) screws per bracket.

3. Align the tube end alignment holes in the drive and idler sub-brackets with the mark. Mount with the 1-½ in (44 mm) screws provided. Refer to the Chassis Installation Guide included for your mounting type. Ceiling mount shown.

4. Mount the idler end bracket to the idler end sub bracket and secure the retaining screw. Refer to the Chassis Installation Guide included for your mounting type. Ceiling mount shown.

5. Mount the Center Shade (continued)
   - Rotate the shade into position. Attach the angled coupler bracket to the angled sub-bracket with two ½ in screws. Verify the shade is level and is in the desired projection and lateral position. If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.

6. Slide the other end of the shade over the remaining hub of the first angled coupler. Tighten the setscrews in the tube adapter to secure the end of the shade to the angled coupler hub.

7. **Verify the angled coupler hub is fully inserted in the tube adapter before tightening the setscrews.**

8. **Verify the shade is level and is in the desired projection and lateral position.** If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.

9. **Verify the shade is level and is in the desired projection and lateral position.** If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.

**Mount the Center Shade (continued)**

1. Mount the drive end bracket to the drive end sub-bracket and secure the retaining screw. Refer to the Chassis Installation Guide included for your mounting type. Ceiling mount shown.

2. Verify the shade is level and is in the desired projection and lateral position. If adjustments are required, loosen the mounting screws and position the brackets utilizing the slots in the brackets. Retighten all screws before proceeding to the next step.
Verify that shade fabric is not obstructed or caught on something.

Adjacent shades do not move at the same speed

Verify that shades on both sides of the coupling joint are at the same angle. Make adjustments as shown in S.3 if necessary.