

Motorized Roller Shades

Motorized roller shades are available as a stand-alone solution, or as part of a fully automated system with Lutron Hyperion solar-adaptive technology. The precision controlled electronic drive unit (EDU) is housed inside the roller shade assembly, and wired power and communication are provided via low voltage wiring from either a plug-in, junction-box-mounted, or 10-output power supply. Compatible controls include stand-alone and system options; wired or wireless.

Features

- Single Fabric Panel: Standard sizes available up to 12 ft (3.66 m) wide and up to 20 ft (6.1 m) tall (Contact Lutron if larger sizes are required)
- Coupled Fabric Panels: Up to 6 coupled panels on a single EDU
- Programmable Open and Close Limits
- Hem Bar Speed: 2.7 inches/second (68.6 mm/sec)
- Sound: 44 dBA measured 3 ft (0.91 m) from the EDU
- Vertical level adjustment: +/- ¼ in (6 mm)
- ¾ in (19 mm) symmetrical light gaps*
- Covered by Lutron Shading Solutions standard warranty; see: lutron.com/TechnicalDocumentLibrary/Window_Systems_Warranty.pdf

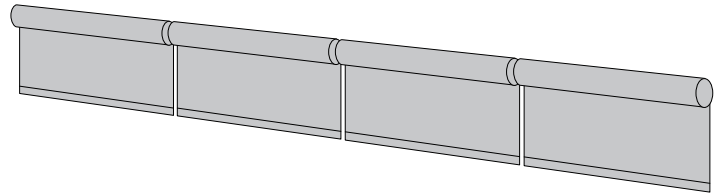
*NOTE: At high aspect ratio (tall and narrow) shade sizes, Lutron may increase the size of the light gaps to compensate for the increased probability of telescoping. Dual mount systems with fascia have light gaps of 13/16 in (20.5 mm).

IMPORTANT: Lutron Contract Roller motorized shades must be mounted to blocking or other suitable structural material. It is the responsibility of the installer to choose and install fasteners that are appropriate for the mounting surface such that each shade bracket can support 400 lbs. For shades not in the Contract Roller motorized shade family, please contact Lutron for mounting guidelines.

Fabric Options: Lutron's Performance Fabric Collection

- **Spec Grade (THEIA compliant) Solar Screens:** a selection of standard and dual-sided solar screen fabrics with tightly controlled fenestration properties and tolerances to maximize glare control
- **Sustainable Solar Screens:** a selection of PVC free fabrics which have the combined benefits of traditional solar screens with environmentally friendly and sustainable properties
- **General Purpose Solar Screens:** a selection of standard and dual-sided solar screens
- **Blackouts:** a selection of standard and dual-sided, light-blocking fabrics for room darkening and blackout applications

Please see the Lutron Performance Shading Advisor at performanceshadingadvisor.com for up-to-date Performance Fabric specifications and availability.



Power and Communication

- Low-voltage power and communication in a single 4-wire cable
- Class 2, 35 V power
 - Plug-In (QSPS-P1-35V)
 - Junction Box Mounted (QSPS-J-1-35V)
 - 10-Output Panel (QSPS-10PNL, QSPSY-10PNL)

Accessories

(available in white, black, bronze, and silver):

- 4 in (102 mm) Fascia
- 8 in (203 mm) Dual Fascia
- Side Channel
- Sill Angle
- 5 in x 5½ in (127 mm x 130 mm) pocket (single-mount)
- 7 in x 11 in (178 mm x 279 mm) pocket (dual-mount)

Job Name:	Model Numbers:
Job Number:	

Specifications

Low Voltage Power

- Operating voltage: Class 2, 35 V $\overline{=}$
- Control system power supply offers (spike and brownout) overvoltage protection (+/- 10% of line voltage) for all devices in the system
- Power supply provides appropriate Electro Static Discharge (ESD) protection for all devices in the system
- Power failure protection: Programming will not be lost if power is lost to the drive
- Power must be derived from a Lutron NEC $\text{\textcircled{R}}$ Class 2 power source

Flexible Configuration

- Digitally assign and reassign shades to controls, groups, and scenes
- Adjust limits locally via controls on the EDU
- Remotely adjust limits and grouping via wired controls or Quantum Vue
- No wired relays or wired group controllers required

System Capacity

- System allows for a total of 100 QS devices
- System allows for a total of 100 QS zones

Environment

- Temperature: 32 $^{\circ}$ - 104 $^{\circ}$ F (0 $^{\circ}$ - 40 $^{\circ}$ C)
- Humidity: 0% - 90%, non-condensing

Precision Control

- Preset points can be easily programmed at any position between the open and close limits
- Shades stop within 1/8 in (3 mm) of programmed open, close, and preset positions
- Intelligent Hem Bar Alignment (IHA): Shades remain within 1/8" alignment when stopped or moving

Controls

- Shades can be controlled by built-in shade columns on a GRAFIKEye QS, or by low-voltage seeTouch QS keypads
- Shades can be controlled by Radio Window sensors when installed as part of a Quantum system
- Microprocessors are contained in the EDU, GRAFIKEye QS, and seeTouch QS keypads, allowing high level programming from either source
- All roller shades, GRAFIKEye QS and seeTouch QS keypads are wired together on the same communications link

Integration

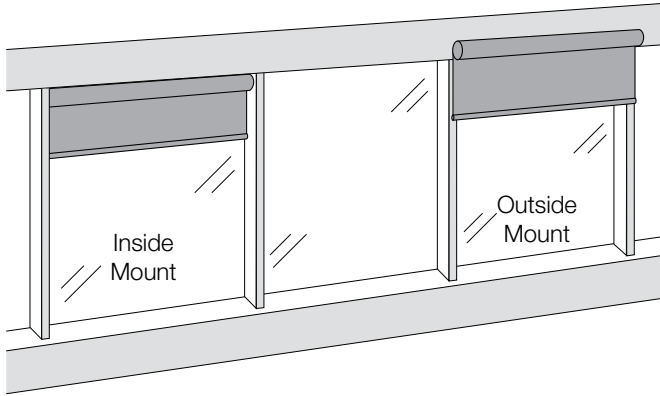
- EDUs seamlessly integrate with Lutron lighting control, GRAFIKEye QS, without a separate interface
- Contact closure, RS232, and Ethernet available to integrate with A/V equipment such as timeclocks, security systems, and touch screens

Job Name: Job Number:	Model Numbers:
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Shade Options

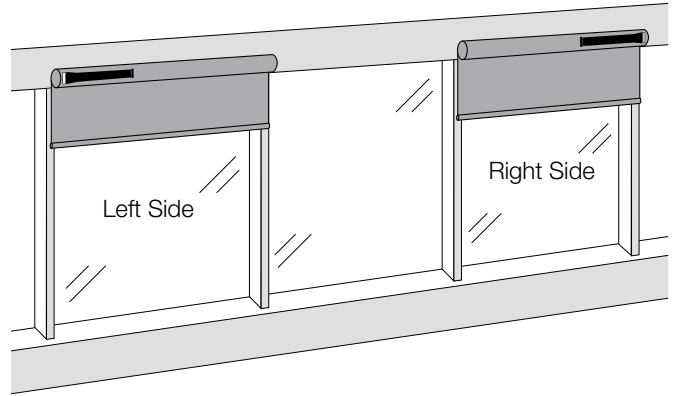
Mounting Options

- Inside mount
- Outside mount

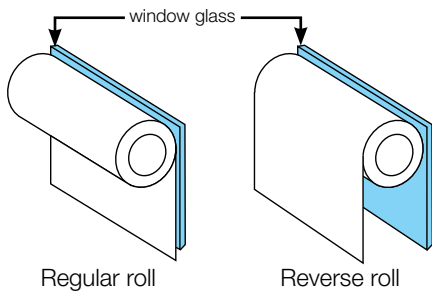


Drive Side Options

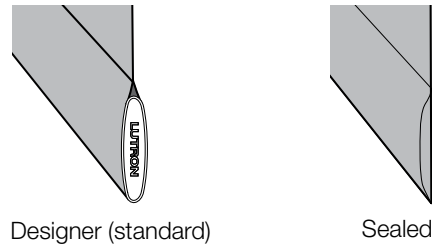
- Left
- Right



Fabric drop options

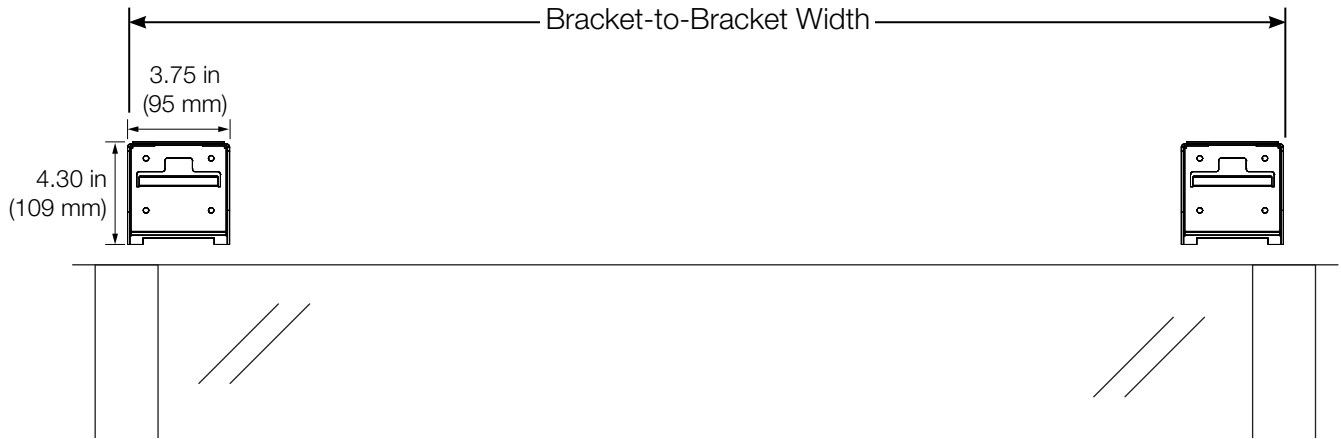


Bottom Bar options



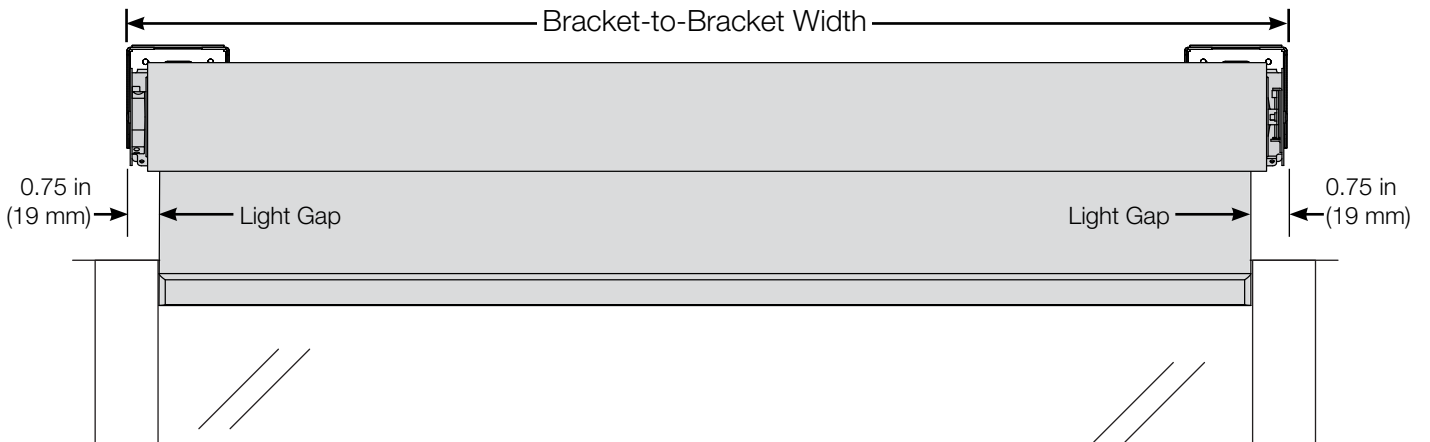
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System Dimensions



Installed Shade

(wall brackets shown)

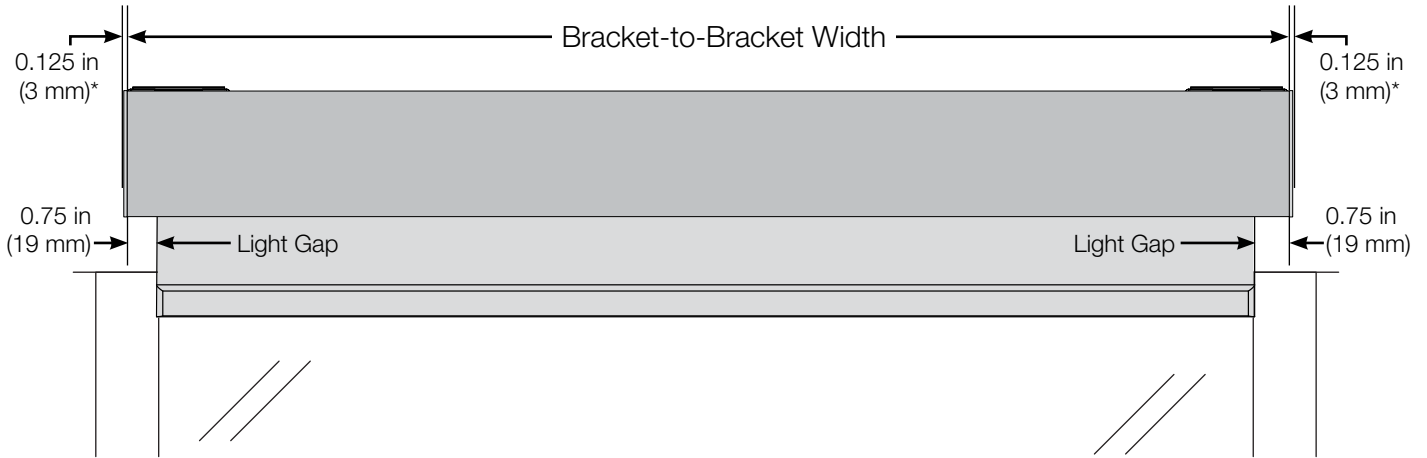


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System Dimensions *(continued)*

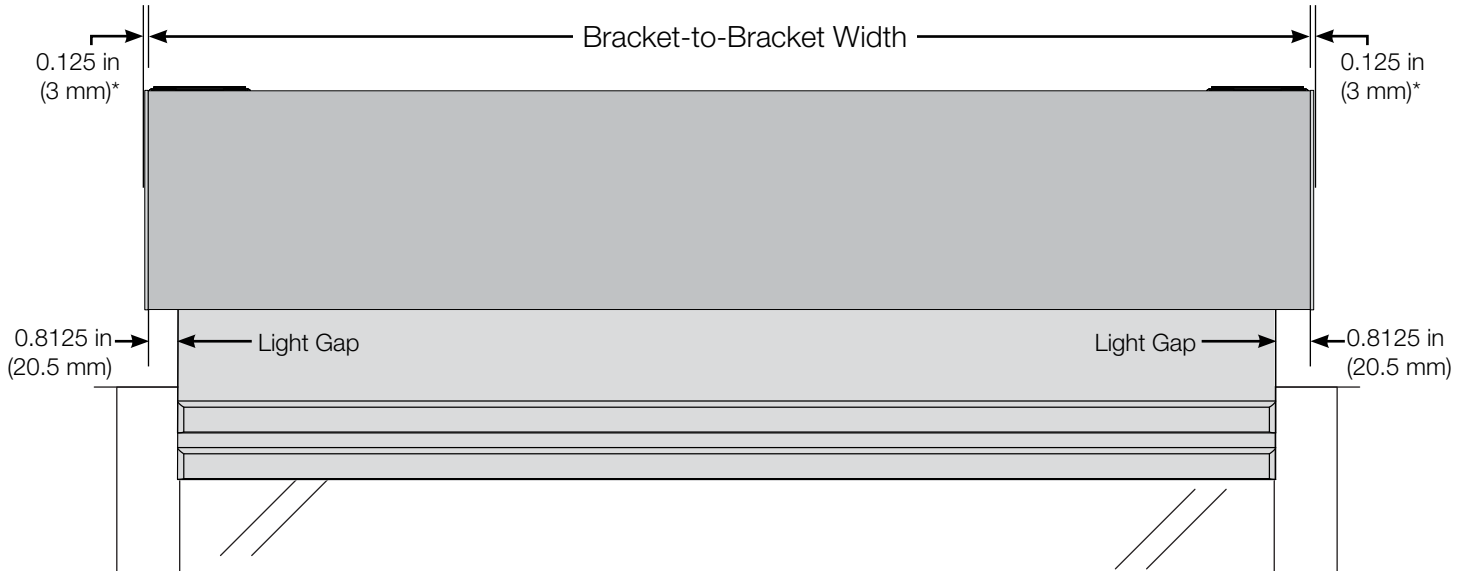
With Optional Fascia

Single Mount



With Optional Fascia

Dual Mount

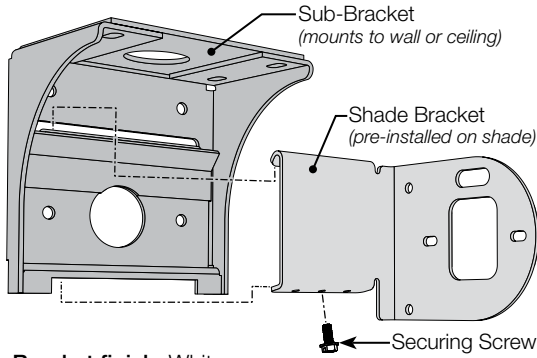


***NOTE:** Fascia endcaps add 0.125 in (3 mm) at each end, beyond the bracket-to-bracket width. When using endcaps for inside-mount, deduct the total 0.25 in (6 mm) from the bracket-to-bracket width to allow clearance for the endcaps within the window opening.

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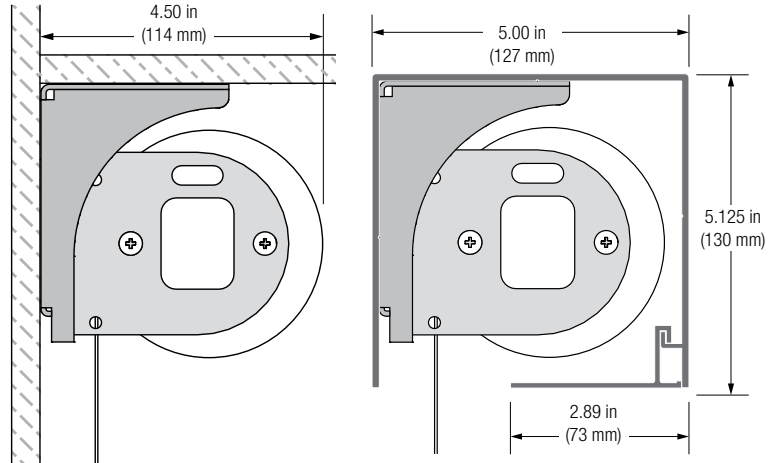
Mounting Options

Wall/Ceiling/Pocket Mount Brackets



Bracket finish: White

Contract Roller brackets employ a two-piece design.

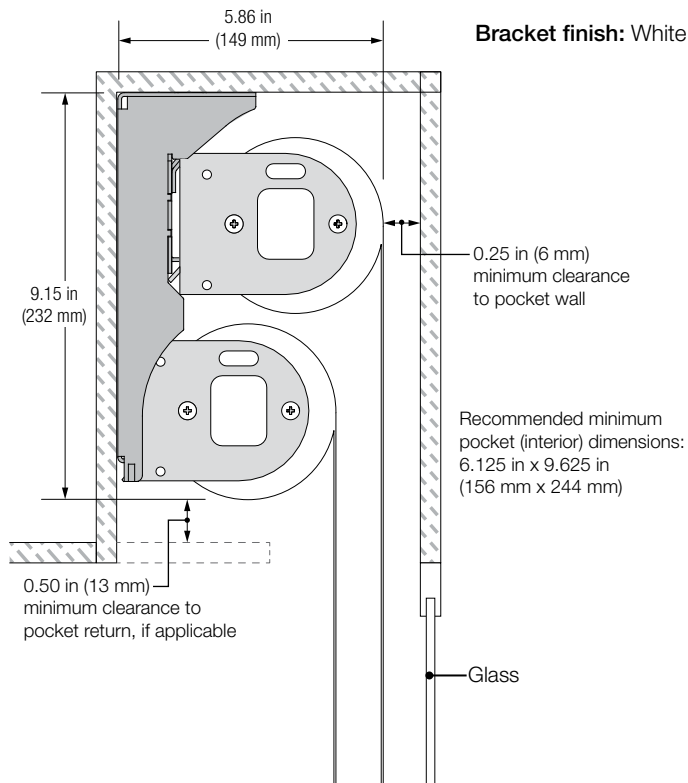


Wall or Ceiling Mounted

Pocket Mounted (regular roll only)

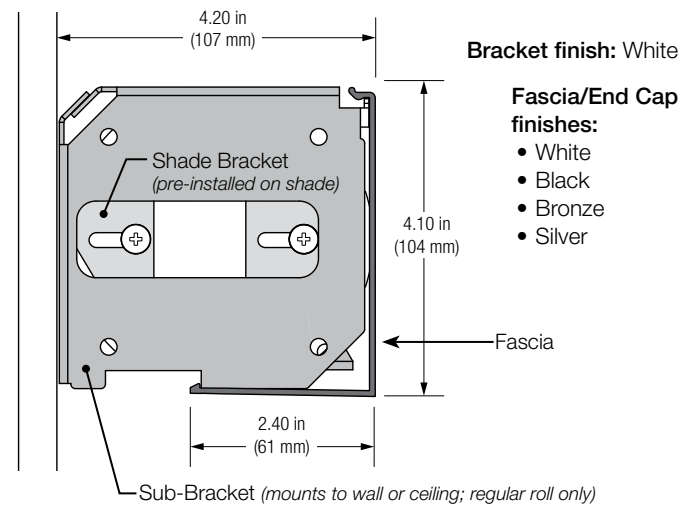
- Pocket finishes:**
- White
 - Black
 - Bronze
 - Silver

Dual Wall/Ceiling/Pocket Mount

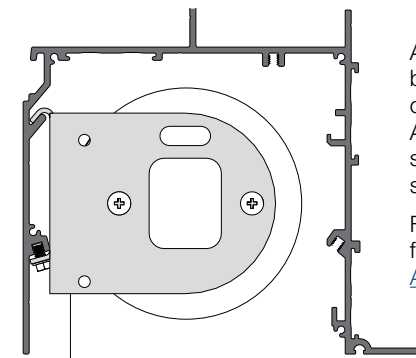


Fascia-Mount Wall/Ceiling Brackets

Designed specifically for mounting fascia and end caps



Armstrong AXIOM® Pocket Mount



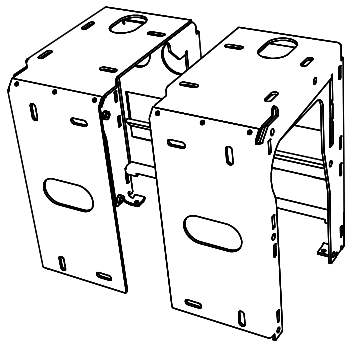
Available with shade brackets that are compatible with Armstrong AXIOM® building perimeter systems. For specifications, see: PN [085336](#)

For Armstrong AXIOM® features and options, visit Armstrong.com/Lutron

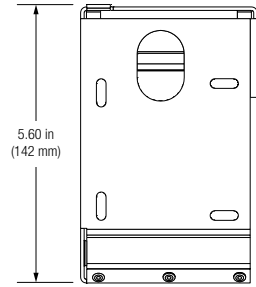
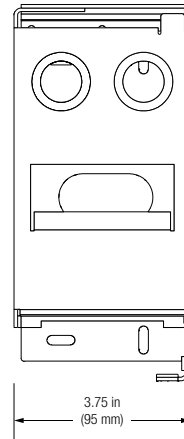
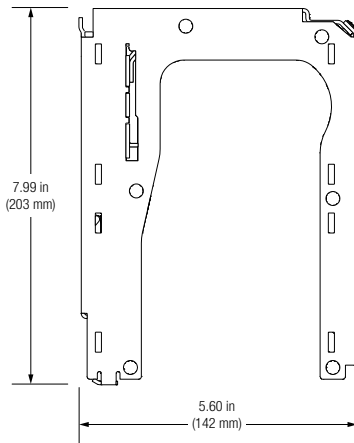
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Mounting Options *continued*

Dual Shade Wall/Ceiling Fascia-Mount Sub-Brackets



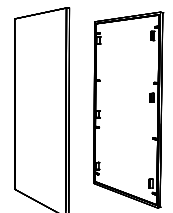
Finish: White



IMPORTANT: In recess-mount and other limited-clearance applications, 1 in (25 mm) of clearance is required in front of the sub-bracket for installation of fascia.

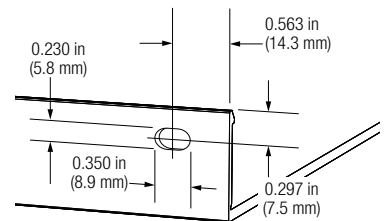
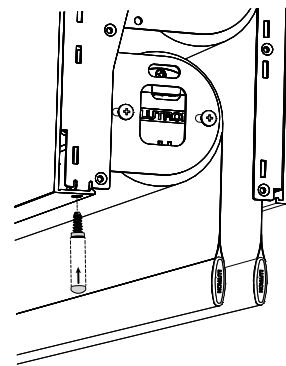
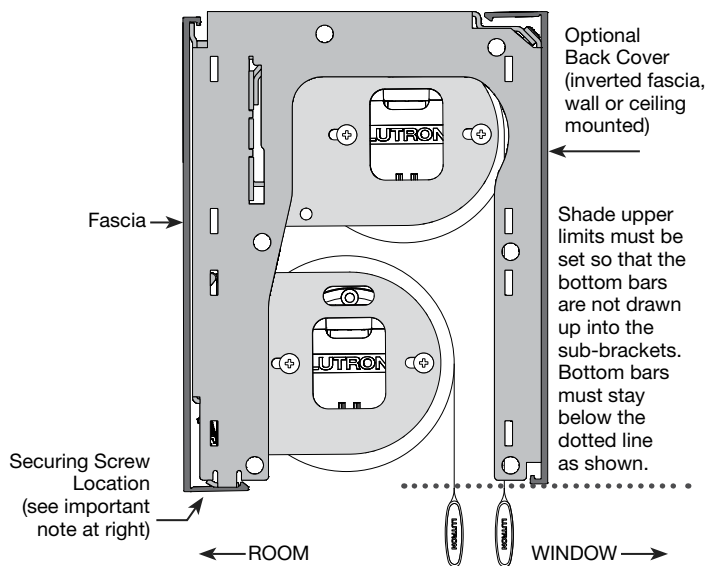
Dual Fascia

Requires Dual Fascia Bracket Kit (brackets shown above; standard brackets are not compatible)



Optional Endcaps

Fascia and End Cap Finishes: White, Black, Bronze, Silver



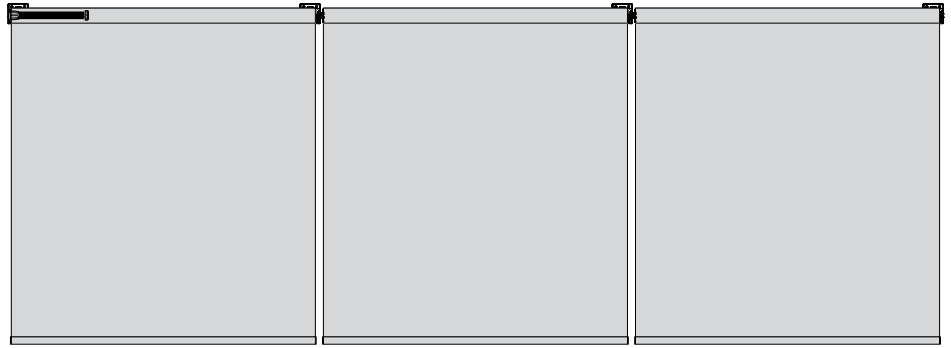
IMPORTANT: Fascia is secured to the sub-brackets with one (1) screw at each end. When fascia is cut to length by Lutron, the required holes are provided. When bulk fascia is cut by the installer, the required holes must be added as shown above.

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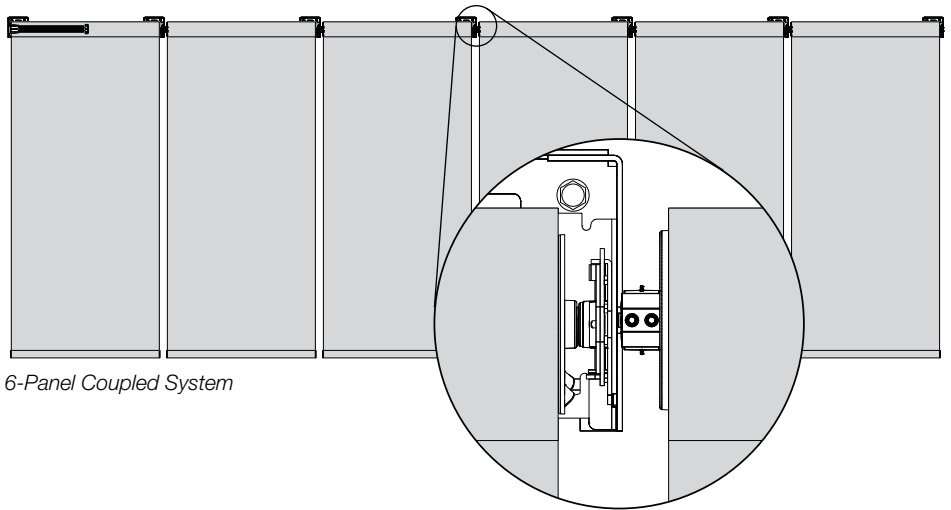
Inline Coupled system

Up to six shade panels can be coupled, powered by a single electronic drive unit (EDU).

- Increased efficiency by operating multiple shades with one EDU
- 1.5 in (38 mm) minimum light gap between panels
- Available with all mounting options
- Bottom bars of coupled shades may be aligned after installation (see below)
- The coupled system maintains bottom bar alignment within 0.125 in (3 mm)



3-Panel Coupled System



6-Panel Coupled System

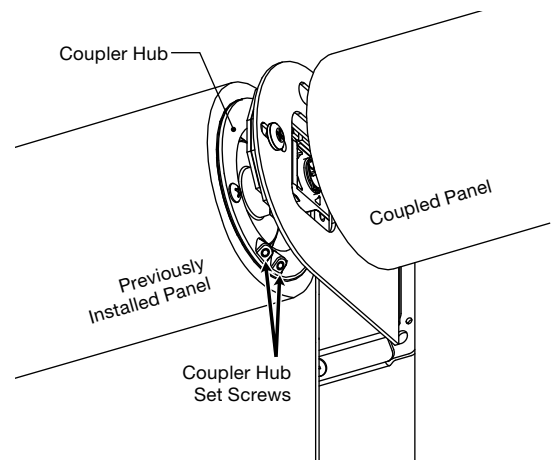
Bottom Bar Alignment

- Bottom bars of adjacent shades can be aligned after the shades are mounted
- Use the Arrow buttons (↔) on the EDU controls to rotate the drive shade so that the set screws in the coupler hub are accessible.

While a second person holds the coupled panel fabric roll in place to prevent it from unrolling, loosen (do not remove) the coupler hub set screws.

Carefully rotate the coupled panel fabric roll to align its hembar with the hembar of the previously-installed panel.

With the hembars aligned, use the torque driver to re-tighten the coupler hub set screws to a torque of 6.0 in-lbs (0.7 N•m).



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