

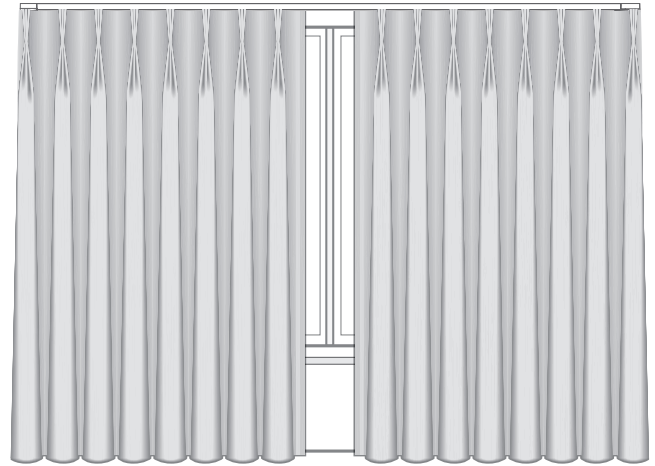
Alena QS Drapery System

Alena QS Wireless Drapery System

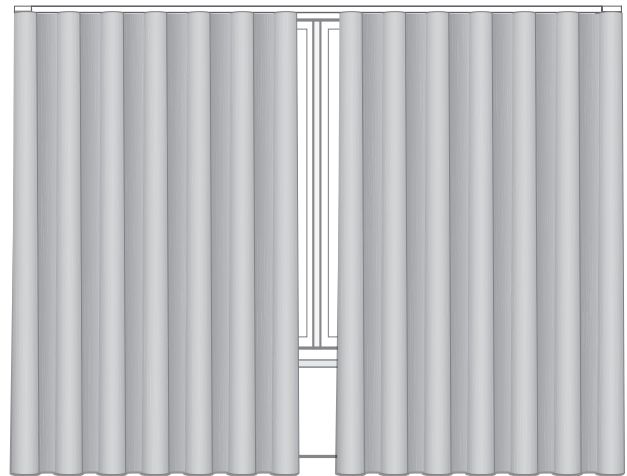
The Alena Drapery System is an easily installed, low-cost window treatment solution designed for the hospitality and multi-dwelling market. Guests have several options for convenient control via Lutron remote controls and keypads, or by pulling the drapery panel in the direction they want it to move. If a user is unaware of the control device, they will learn of the drapery's motorization when they manually pull on the panel. The drive will take over and move the panel automatically to its Open or Close limit.

Features

- Pull-to-Start function* allows for motorized operation with or without controls
 - Ultra-quiet drive operation: will not exceed 50 dBA measured 1 m (3 ft) from the drive
 - Pinch pleat and ripple fold options
 - Left, right, and center-draw options
 - All drives start, move, and stop with precision
 - Ceiling or recess mounting options
 - Can be installed in new construction or retrofit solution
 - EDU can be installed in either slim orientation or original orientation. Slim orientation is recommended for ripple fold to provide a smaller first ripple around EDU
 - Available with white, silver, black, and bronze track colors
 - Power failure memory for the lifetime of the product
 - Decouples the EDU and track into two separate components, allowing the EDU to be replaced or upgraded in the field
 - Low-voltage, DC power
 - 8 year limited warranty
- * For reliable Pull-to-Start performance, grasp the draw edge of the drape no more than 5 ft (152 cm) from the top, and pull in the direction of desired travel



Alena Pinch Pleat Drapery System
for illustrative purposes only; not a system specification drawing



Alena Ripple Fold Drapery System
for illustrative purposes only; not a system specification drawing

Job Name:

Model Numbers:

Job Number:

Specifications

Power

- PELV/NEC Class 2, 24-36 V $\overline{=}$ power supply required.
- Control system power supply offers (spike and brownout) over voltage protection (+/- 10% of line voltage) for all devices in the system.
- Power must be derived from a compatible Lutron 35 V power supply (QSPS-Px-1-35V, QSPS-J-1-35V, or QSPS-10PNL), sold separately.

Performance

- Uses steel-reinforced high-strength, low-friction belt to reduce noise and drag
- Supports drapery panels weighing up to 80 pounds (36.3 kg) on a straight, un-spliced track
- Available in track lengths up to 216 in (5.48 m)
- Can be controlled from multiple locations (i.e. manually at drape, or via keypad), and allows for manual operation when power is not available
- All system components are Electro Static Discharge (ESD) protected

System Capacity

- Maximum of 1 drive per power supply

Compatible Controls (Alena QS)

- seeTouch QS keypads
- GRAFIK Eye QS
- Pico Wireless Control (through QSM)
- HomeWorks QSX, HomeWorks QS
- myRoom Plus
- myRoom XC

Compatible Controls (Alena QS Wireless)

- Pico wireless control
- Serena 4-Group wireless control
- seeTouch RF keypads
- GRAFIK Eye QS
- RA2 Select
- RadioRA 2
- RadioRA 3
- HomeWorks QSX, HomeWorks QS
- Caséta Wireless (Lutron Smart Bridge Pro required)
- myRoom Plus

System Weight Capacity

Use this table to determine the maximum pinch pleat or ripple fold drapery panel size the Alena QS drapery system can operate, based upon height and weight.

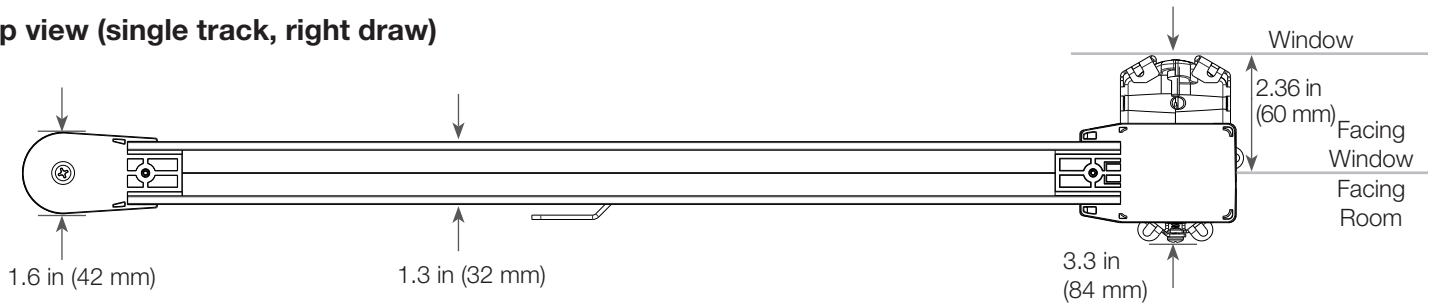
System Capacity		
System Width - Straight Track	Pinch Pleat	Ripple Fold
24 in to 32 in (600 mm to 800 mm)	20 lbs (9 kg)	20 lbs (9 kg)
32 in to 44 in (800 mm to 1100 mm)	30 lbs (13.6 kg)	30 lbs (13.6 kg)
44 in to 56 in (1100 mm to 1400 mm)	40 lbs (18 kg)	40 lbs (18 kg)
56 in to 68 in (1400 mm to 1700 mm)	55 lbs (24.9 kg)	45 lbs (20.4 kg)
68 in to 84 in (1700 mm to 2133 mm)	65 lbs (29.5 kg)	45 lbs (20.4 kg)
84 in to 108 in (2133 mm to 2743 mm)	80 lbs (36.3 kg)	45 lbs (20.4 kg)
108 in to 132 in (2743 mm to 3353 mm)	80 lbs (36.3 kg)	45 lbs (20.4 kg)
132 in to 156 in (3353 mm to 3962 mm)	80 lbs (36.3 kg)	45 lbs (20.4 kg)
156 in to 216 in (3962 mm to 5486 mm)	80 lbs (36.3 kg)	45 lbs (20.4 kg)

IMPORTANT: The sizes and weight capacities shown above are applicable to straight track only. For assistance with curved track or configurations exceeding the sizes or weights listed, please contact Lutron Customer Service.

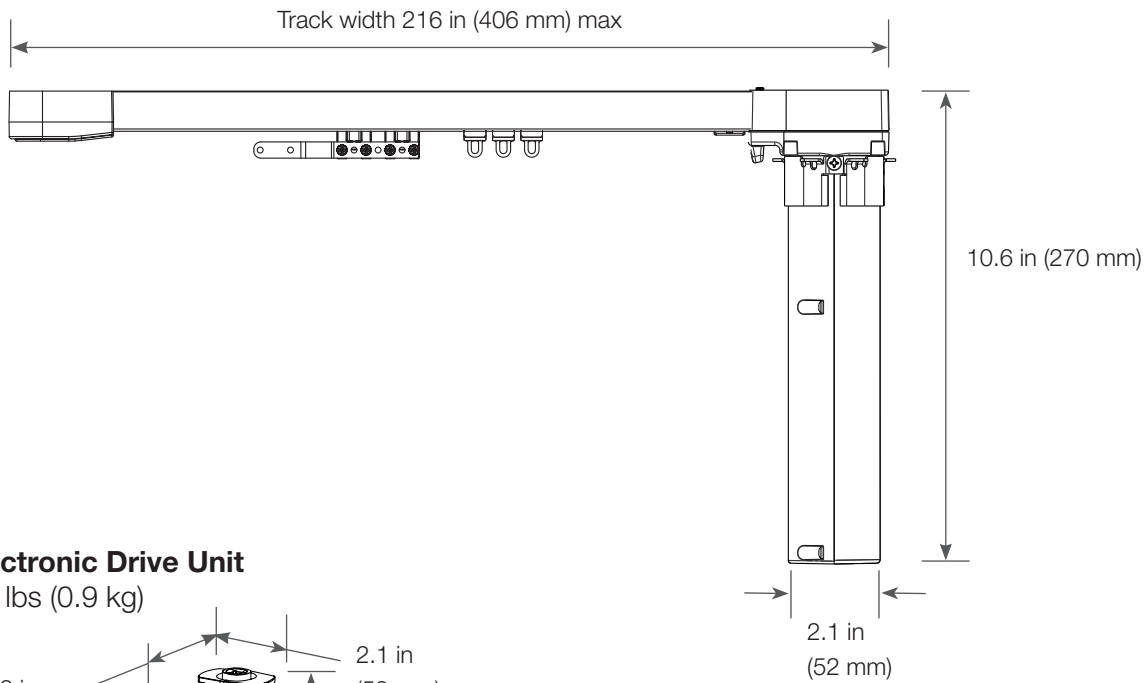
Job Name:	Model Numbers:
Job Number:	

System Dimensions (pinch pleat carriers shown; ripple fold snap-pendants available)

Top view (single track, right draw)

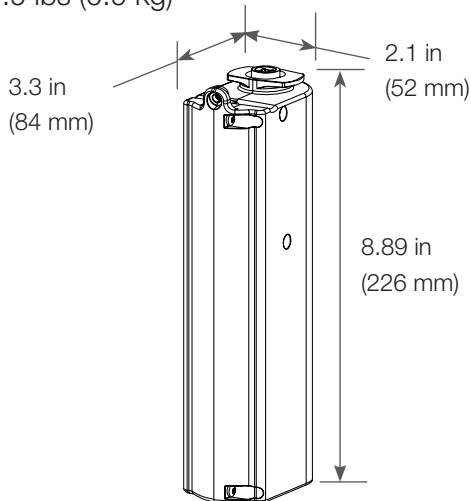


Front view (single track, right draw)



Electronic Drive Unit

1.9 lbs (0.9 kg)

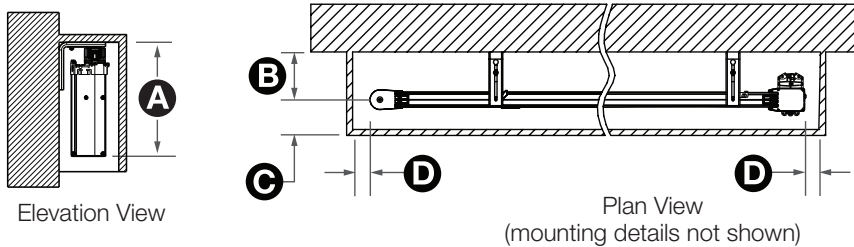


Job Name:	Model Numbers:
Job Number:	

Installation Clearances

Single drapery track system

Maintain enough clearance between the drapery track and the inside face of the top treatment or ceiling recess to allow the fabric to move freely.

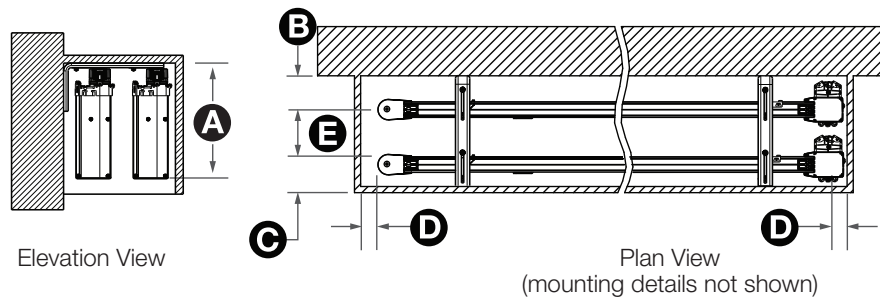


Dimensions*

- A** 11.25 in (286 mm)
- B** 3.5 in (89 mm)
- C** 2.5 in (64 mm)
- D** 1 in (25 mm)

Dual drapery track system

Two Alena drapery tracks can be used for a combination sheer/blackout treatment.



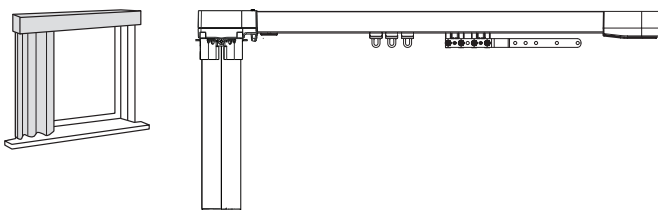
Dimensions*

- A** 11.25 in (286 mm)
- B** 3.5 in (89 mm)
- C** 2.5 in (64 mm)
- D** 1 in (25 mm)
- E** 5.5 in (140 mm)

Drapery Track Options (valance and drapery not included)

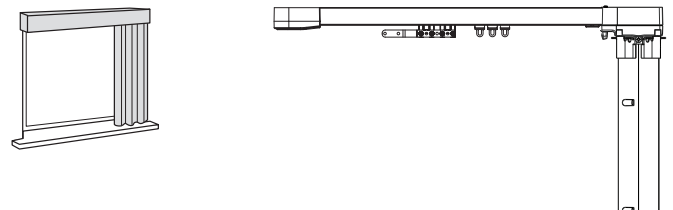
Left draw/left-mounted EDU

(pinch pleat carriers shown; ripple fold snap-pendants available)

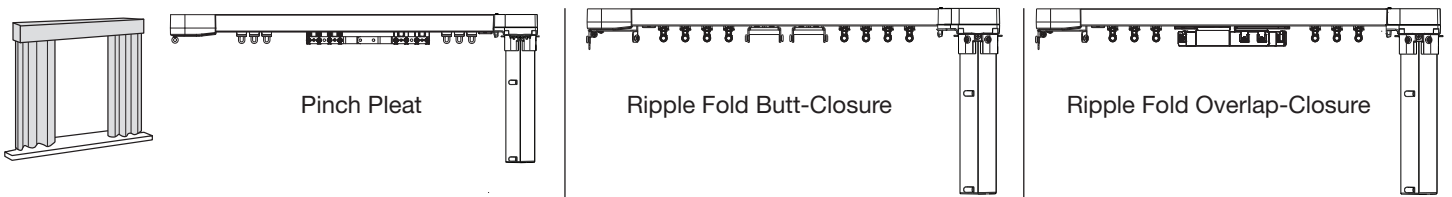


Right draw/right-mounted EDU

(pinch pleat carriers shown; ripple fold snap-pendants available)



Center-draw, left-or right-mounted EDU

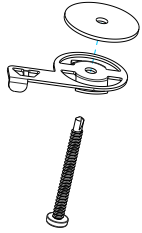


Job Name:	Model Numbers:
Job Number:	

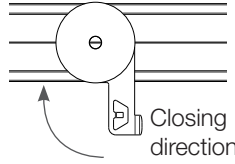
Mounting Options

Lutron drapery track is available in either wall-mount or ceiling-mount.

Ceiling bracket cam lock

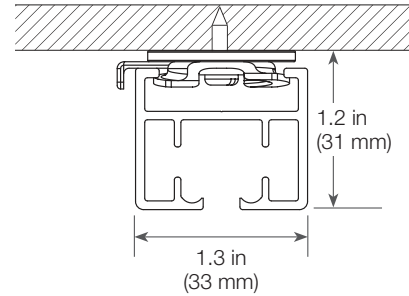


Ceiling-mount bracket

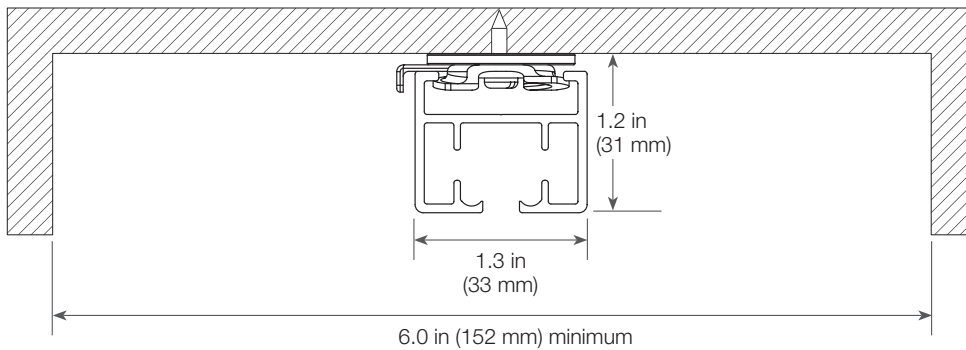


Top view of clip arm extended in unlocked position

Ceiling-mount application



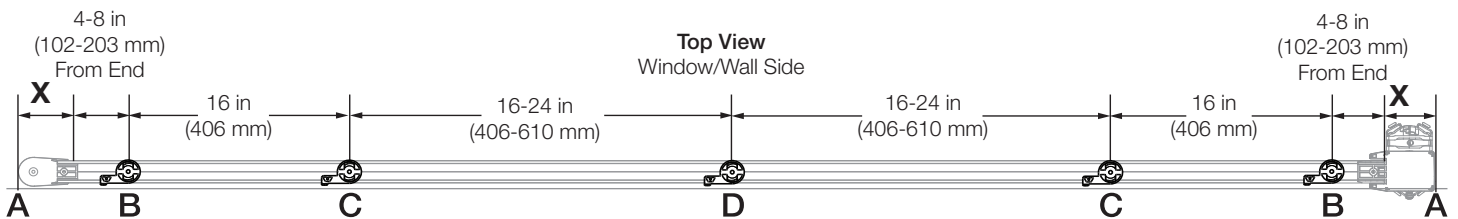
Pocket mount application



IMPORTANT: Each ceiling-mount cam-lock must be installed into a structural member using an appropriate fastener. Ensure the structural member is of sufficient strength to support the combined weight of the drapery track, EDU, and fabric.

If no appropriate structural member is available at the mounting location, it is the responsibility of the installer to add blocking as necessary to safely support the operating load of the system, including tugging that may occur during manual or attempted manual operation.

Cam Lock Spacing - Ceiling Mount



Job Name:	Model Numbers:
Job Number:	

Recessed System

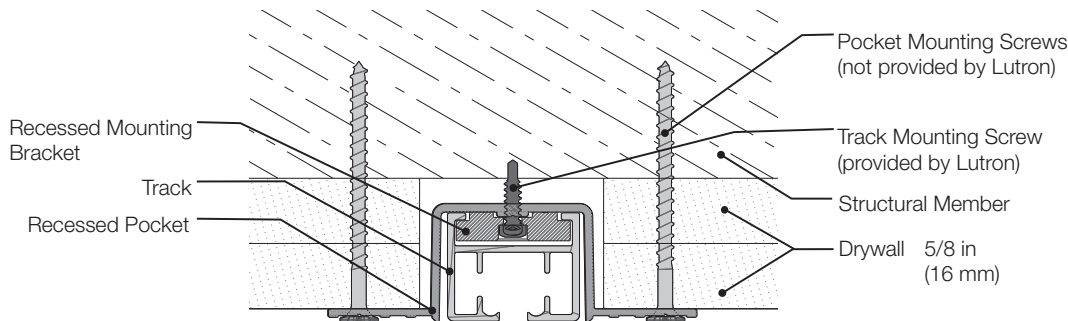
Features

- Mud-in flanges along the recessed system to be integrated flush with the ceiling
- Intended for 5/8 in (16 mm) double layer drywall*
- EDU and idler end caps are designed to fit the drapery track with a minimal 1/16 in (2 mm) reveal along the track
- Recessed pocket, 8 ft (2.4 m) in length, can be cut to size
- Tape measure slots on the end caps ensure proper fit
- Installation tool ensures the track is centered within the recessed system and protect the track paint during track installation
- Straight track only

* Refer to Application Note #843 (P/N 048843) for more details

<https://assets.lutron.com/a/documents/048843.pdf>

View of Recessed Mounting Bracket:

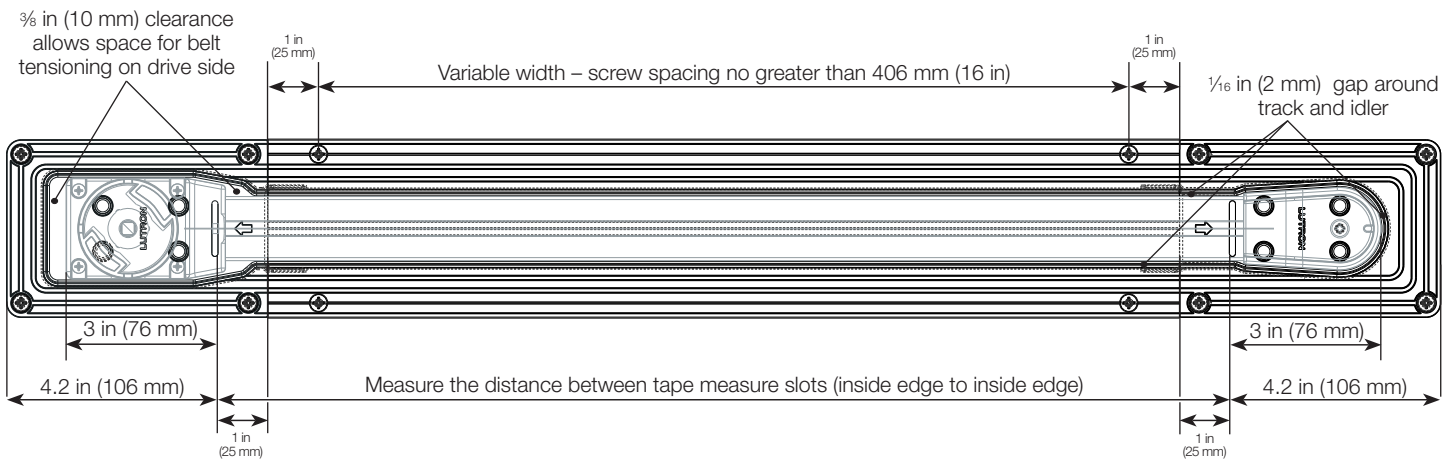
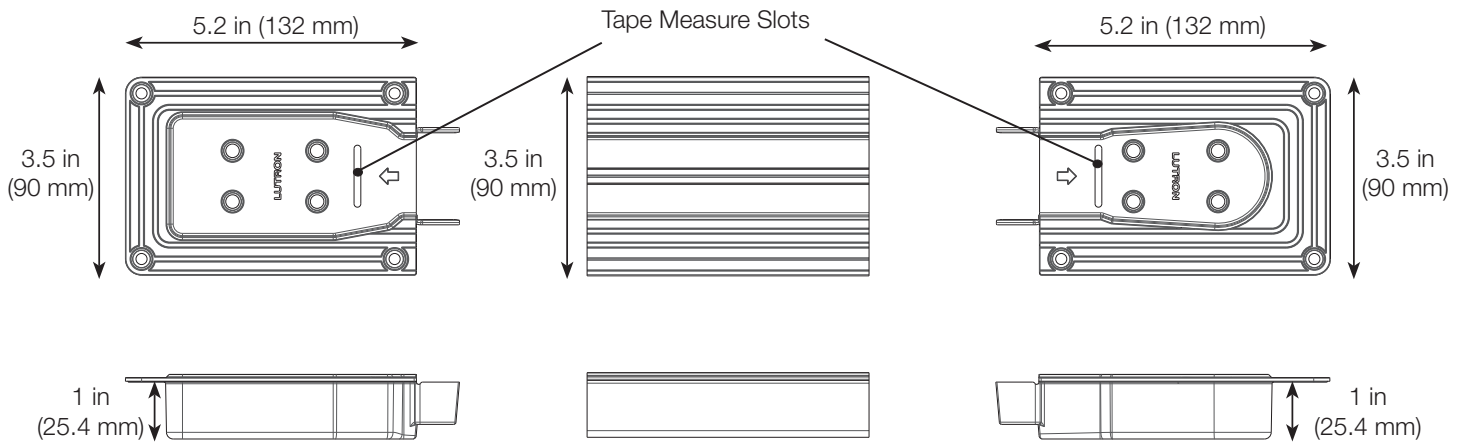


Model Number	Description
WIN-DREC-TRIM-WH	Recessed drapery pocket extrusion 8 ft (2.4 m), White
WIN-DREC-TOOL	Recessed drapery installation tool
WIN-DREC-ENDS	EDU and idler end caps kit
WSL-DREC-TRIM	Sample recessed drapery pocket extrusion 3 in (76 mm)
WSL-DREC-I	Sample recessed drapery idler end cap
WSL-DREC-D	Sample recessed drapery drive EDU end cap
WIN-DRBMS-10-RPL	Track mounting screws for recessed system, 10 pack

Job Name:	Model Numbers:
Job Number:	

Recessed System (continued)

Dimensions



Sizing:

1. A consistent 1/16 in (2 mm) gap is around the idler and track. Fabric can be wrapped to cover the larger gap on the drive side to allow for expected variance in drapery system width.
2. Lutron recommends ordering the track after the pocket is installed. Once the pocket is installed, measurements of the pocket will account for variance in installation. To calculate drapery system width, add 6 in (152 mm) to the measured distance between tape measure slots.
3. Track length = tape measure slot distance + 6 in (152 mm).
4. Recessed Pocket cut width = Ordered track width - 8 in (203 mm).
5. Recessed Pocket cut width = tape measure slot distance - 2 in (51 mm).

Mounting:

1. The recessed pocket must be mounted to structural members no further than every 16 in (406 mm).
2. All recessed pockets must be attached to at least 2 structural members.
3. The track is to be joined to the pocket using Lutron's recessed mounting bracket and the provided screws. A recessed mounting bracket must be installed at each predrilled mounting hole.

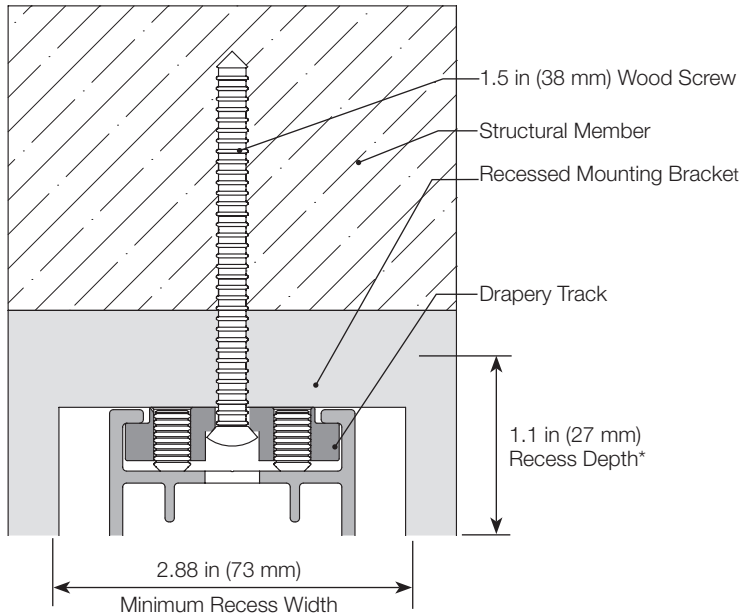
Job Name:

Model Numbers:

Job Number:

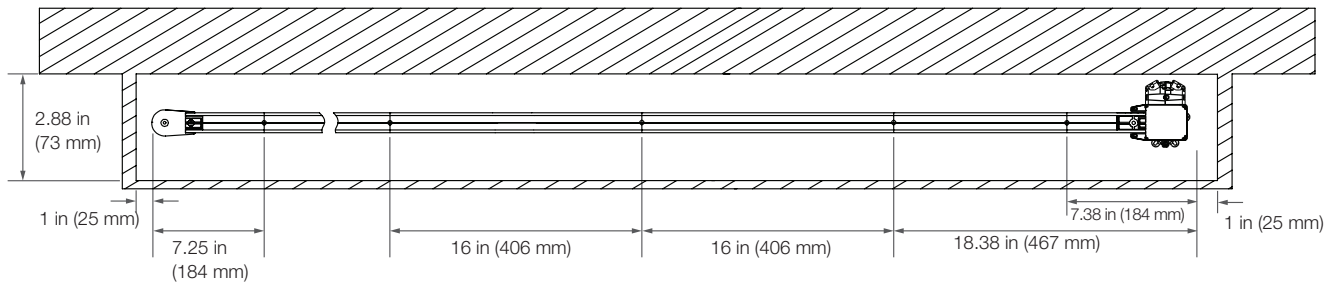
Recessed Mount Bracket

Mounting with wood screw



* Provides complete concealment of the track while maintaining proper clearance for the drapery fabric below the recess. A deeper recess will require additional width to clear the drapery fabric.

The track is predrilled with mounting holes, spaced as indicated below. A recessed mounting bracket must be installed at each predrilled mounting hole.



For curved tracks: It is recommended recessed pockets are built/finished after receiving the product to verify fit due to expected manufacturing tolerances for curved tracks.

Installations that violate these clearance recommendations have not been evaluated for installation and performance.

Job Name:	Model Numbers:
Job Number:	

Fabric Fullness

Generally, drapery “fullness” is the aesthetic result of adding more or less fabric to a given system width. Lutron expresses fullness as a multiple (pinch pleat; 2x, 2.5x, 3x) or percentage (ripple fold; 80%, 100%, 120%) of (flat) fabric panel width, relative to system (track) width.

- Lower fullness results in smaller stackback size when open and more spread when closed.
- Higher fullness results in larger stackback size when open and less spread when closed.

Pinch Pleat Fabric Fullness

Pinch pleat drapery panels are offered at 3 fullness ratings:

- **3x:** fabric panel width (before pleating) = track width x 3 (sheer fabrics only)
- **2.5x:** fabric panel width (before pleating) = track width x 2.5
- **2x:** fabric panel width (before pleating) = track width x 2

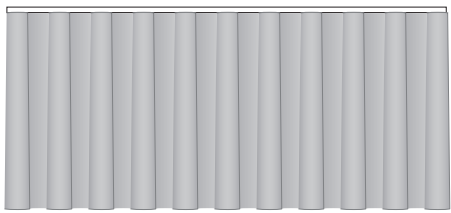
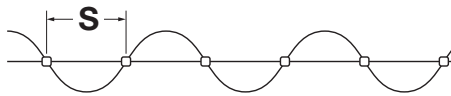
Note: Due to potential variations in final pleating, Lutron intentionally over-estimates the number of auxiliary carriers provided with pinch pleat drapery track systems. Extra carriers may be included.

Ripple Fold Fabric Fullness

Fullness is determined by the string length between auxiliary carriers (S) and the total width of the fabric panel. Lutron offers fullness ratings of 80%, 100%, and 120%, based on standard snap spacing of 4.25 in (108 mm). (See ripple fold snap tape specifications on page 10.)

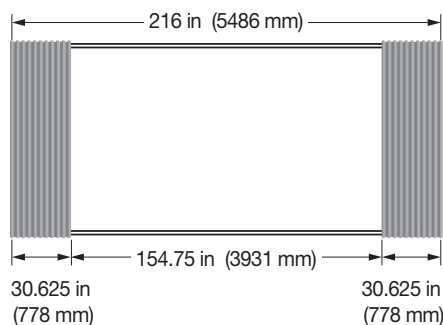
80% Fullness

Fabric panel width = track width + 80%
S = 2.375 in (60 mm)



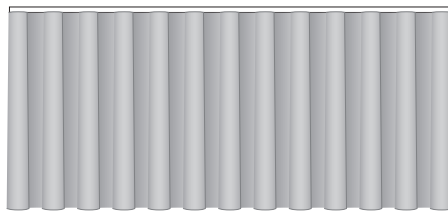
Stackback Example

(approximate; center-draw)



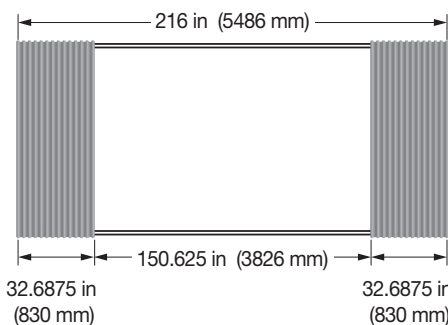
100% Fullness

Fabric panel width = track width + 100%
S = 2.125 in (54 mm)



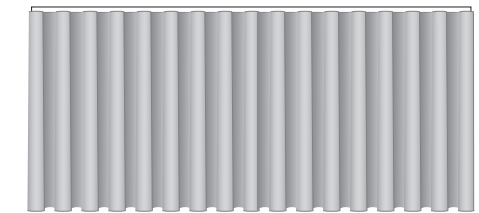
Stackback Example

(approximate; center-draw)



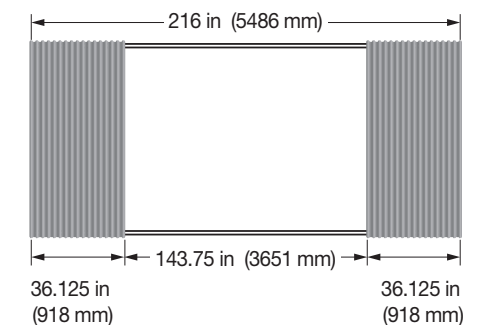
120% Fullness

Fabric panel width = track width + 120%
S = 1.875 in (48 mm)



Stackback Example

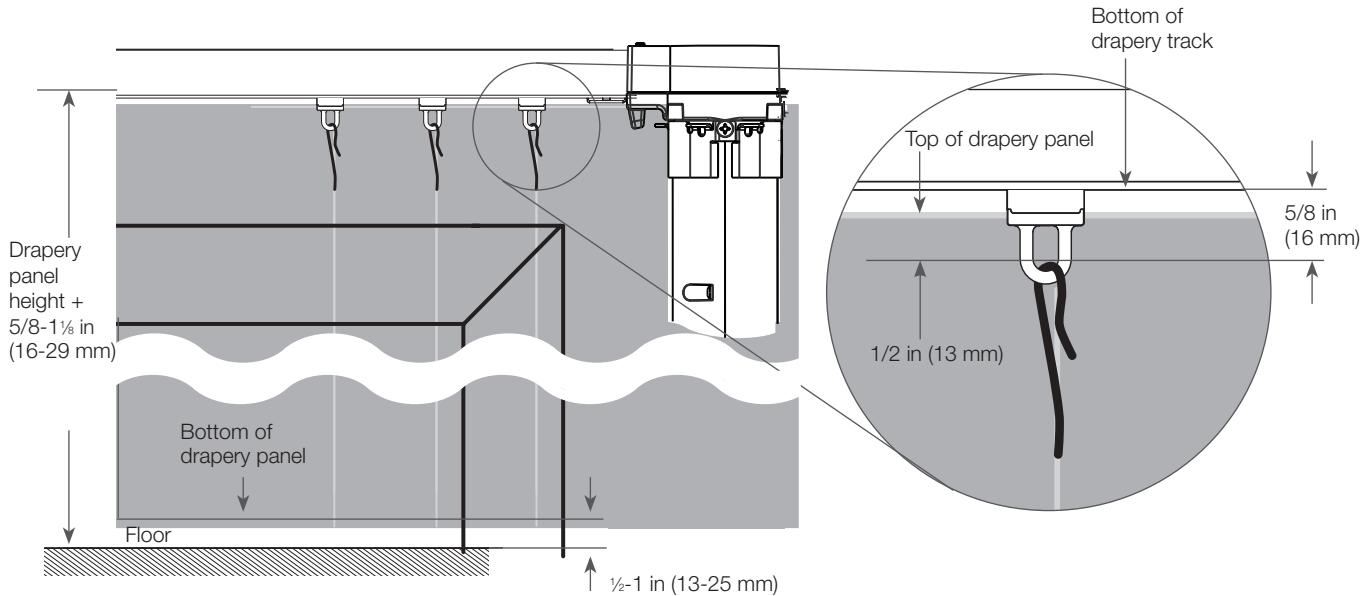
(approximate; center-draw)



<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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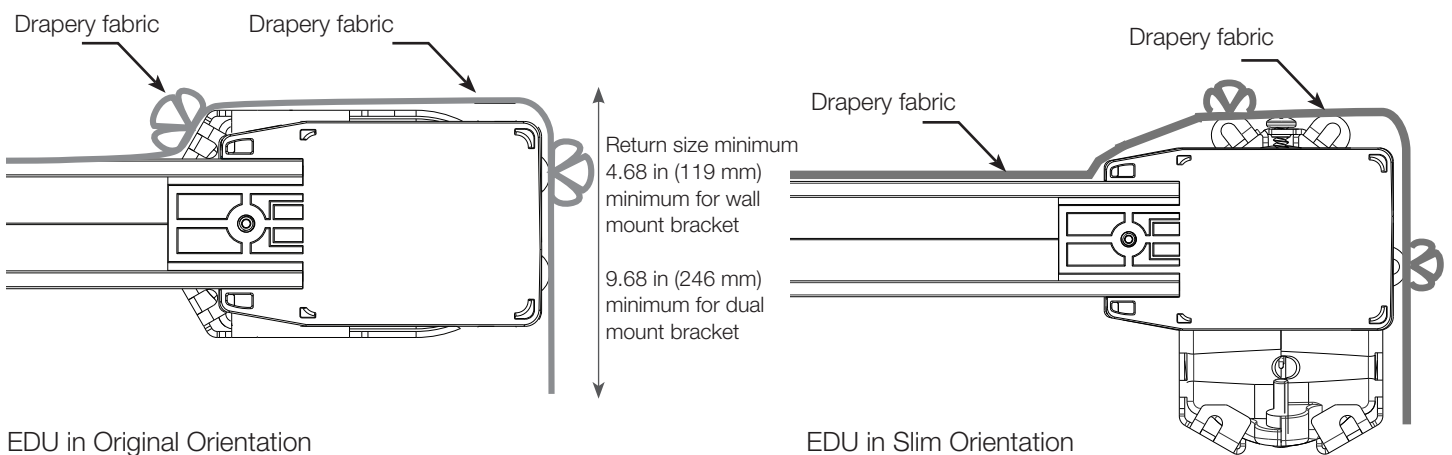
Hanging Fabric - Pinch Pleat

Lutron recommends a drapery hook setting of 1/2 in (13 mm) from the top of the drape to the top of the hook (hooks not included). This locates the drapes just below the track and prevents it from rubbing on the track. It is recommended that a distance of 1/2-1 in (13-25 mm) be maintained between the bottom of drapery panel and the floor.



Dressing the Drape Around the Drive End

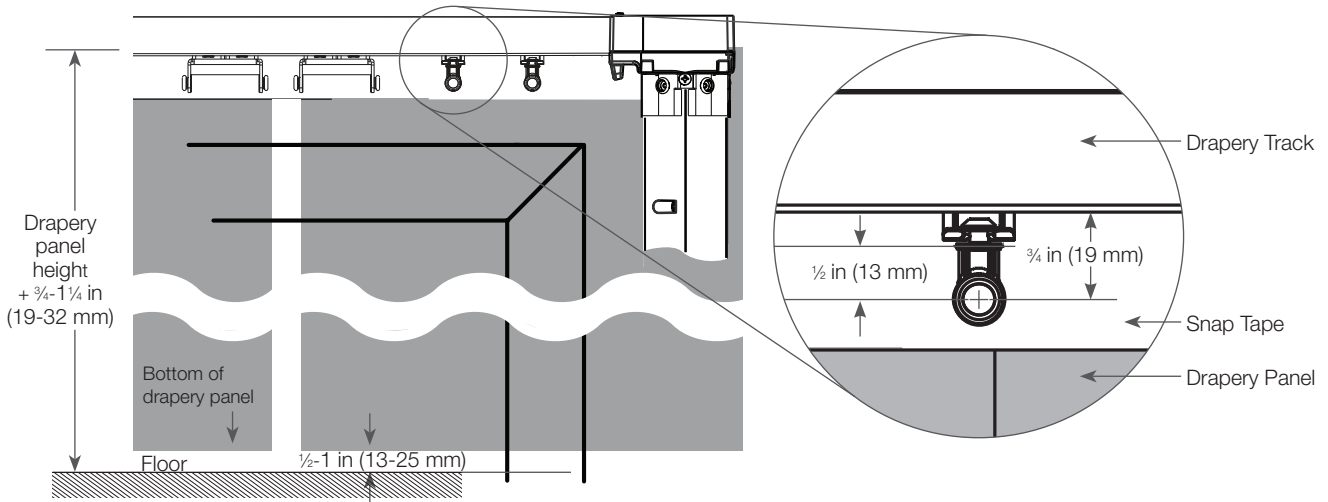
Drapery fabric return



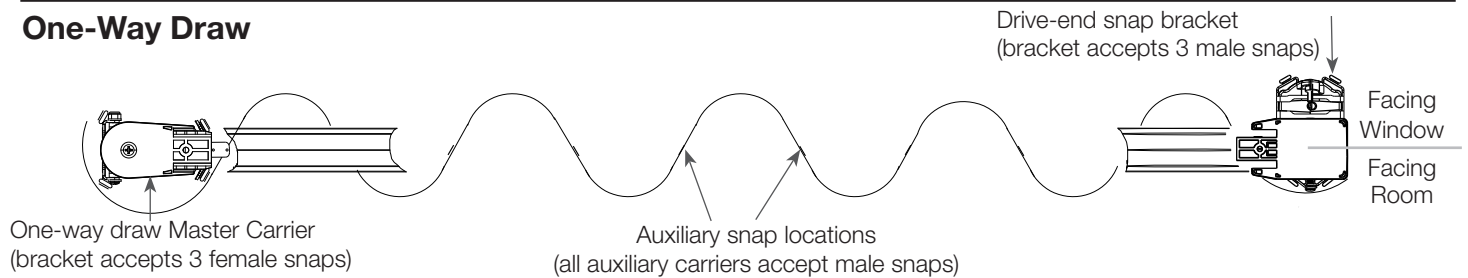
Job Name:	Model Numbers:
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Hanging Fabric - Ripple Fold

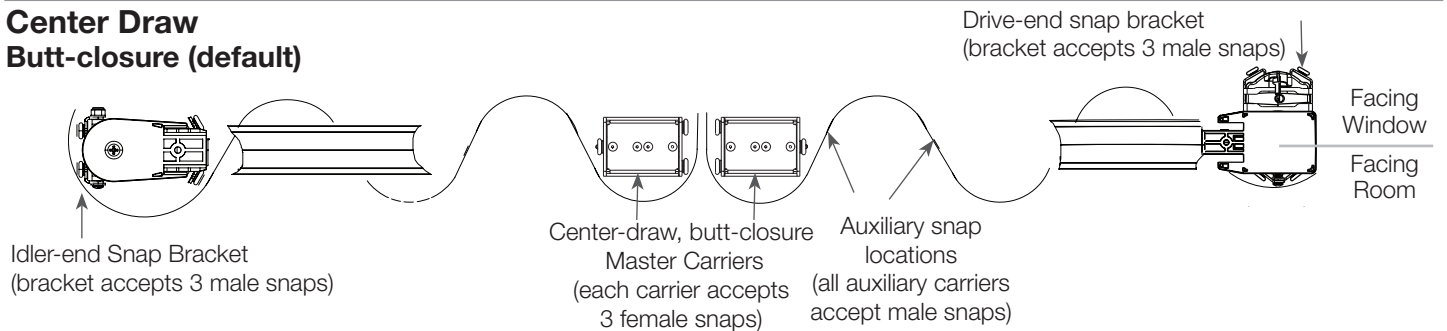
Drapes are typically sized so the bottom of the drapery track and top of the drapery panel are located 4 in (101 mm) above the window casing. Location may need to be adjusted to accommodate the specific drapery panel height and application. It is recommended that a space of 1/2-1 in (13-25 mm) be maintained between the bottom of drapery panel and the floor.



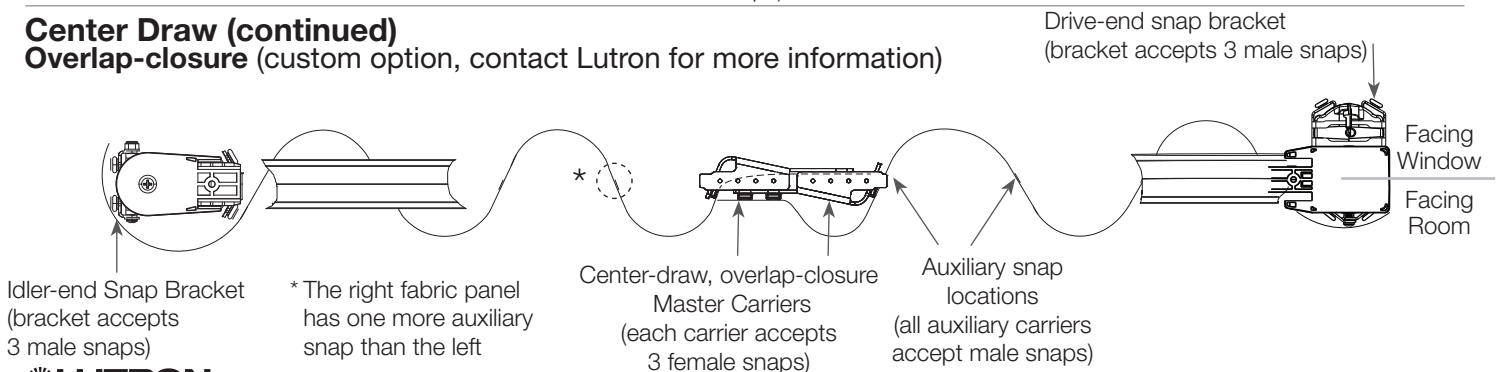
One-Way Draw



Center Draw Butt-closure (default)



Center Draw (continued) Overlap-closure (custom option, contact Lutron for more information)

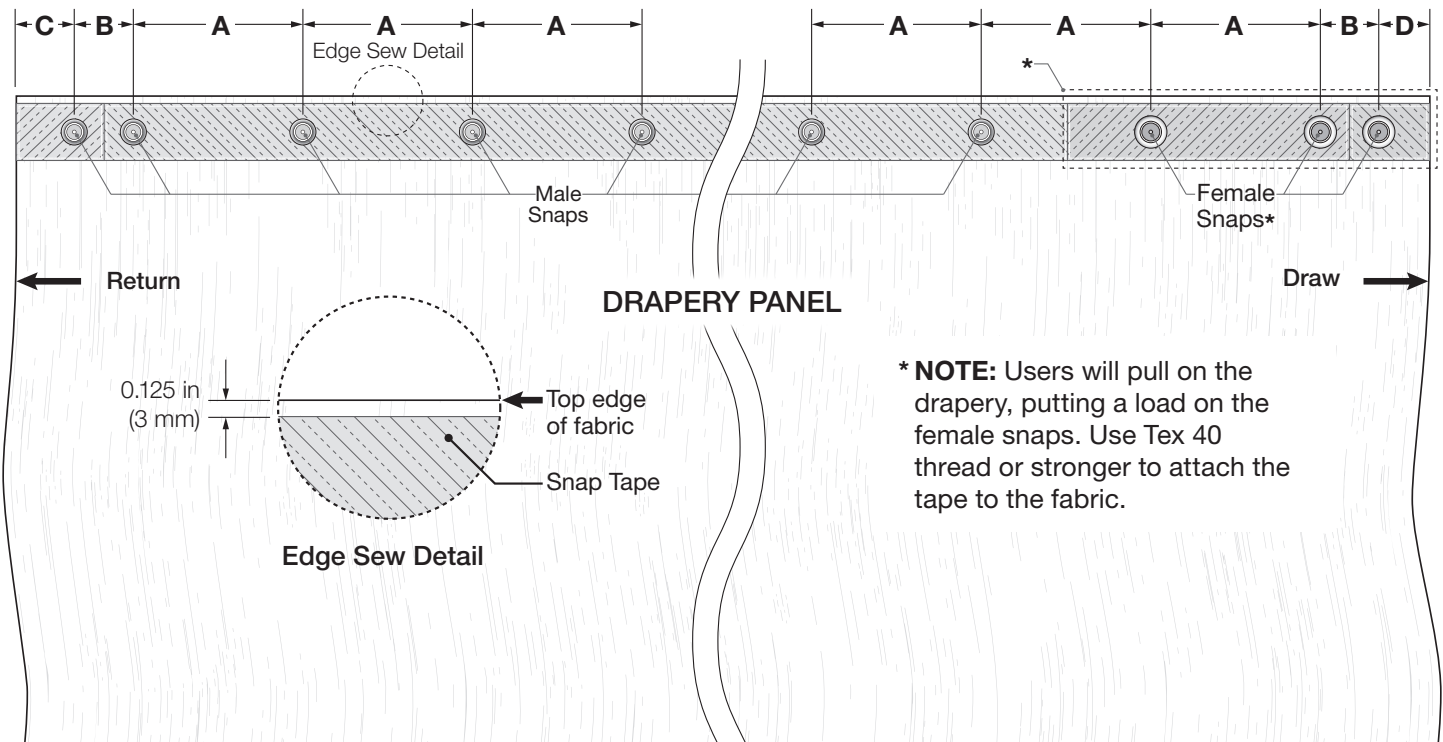


Job Name:	Model Numbers:
Job Number:	

Ripple Fold Snap Tape Specifications

The Lutron ripple fold drapery system is compatible with standard ripple fold snap tape with spacing of 4.25 in (108 mm) between snaps.

- Standard carriers accept male snaps; quantity required varies with track width.
- Three (3) female snaps are required at the draw end as shown.
 - Compatible female snap tap is available from Alan Richard Textiles, Ltd.
By the yd: alanrichardtextiles.com/store/DRFT02-Y.html
By 100 yd (91.4 m) roll: alanrichardtextiles.com/store/DRFT02.html
- Single-draw configurations require one drapery panel.
- Center-draw configurations require 2 drapery panels
 - Butt-closure: snap layout shown below mirrored on the second panel.
 - Overlap-closure: the draw and return end snap layouts shown below are mirrored on the second panel, and the right panel requires one more auxiliary snap than the left. (See the Overlap-Closure diagram on previous page.)



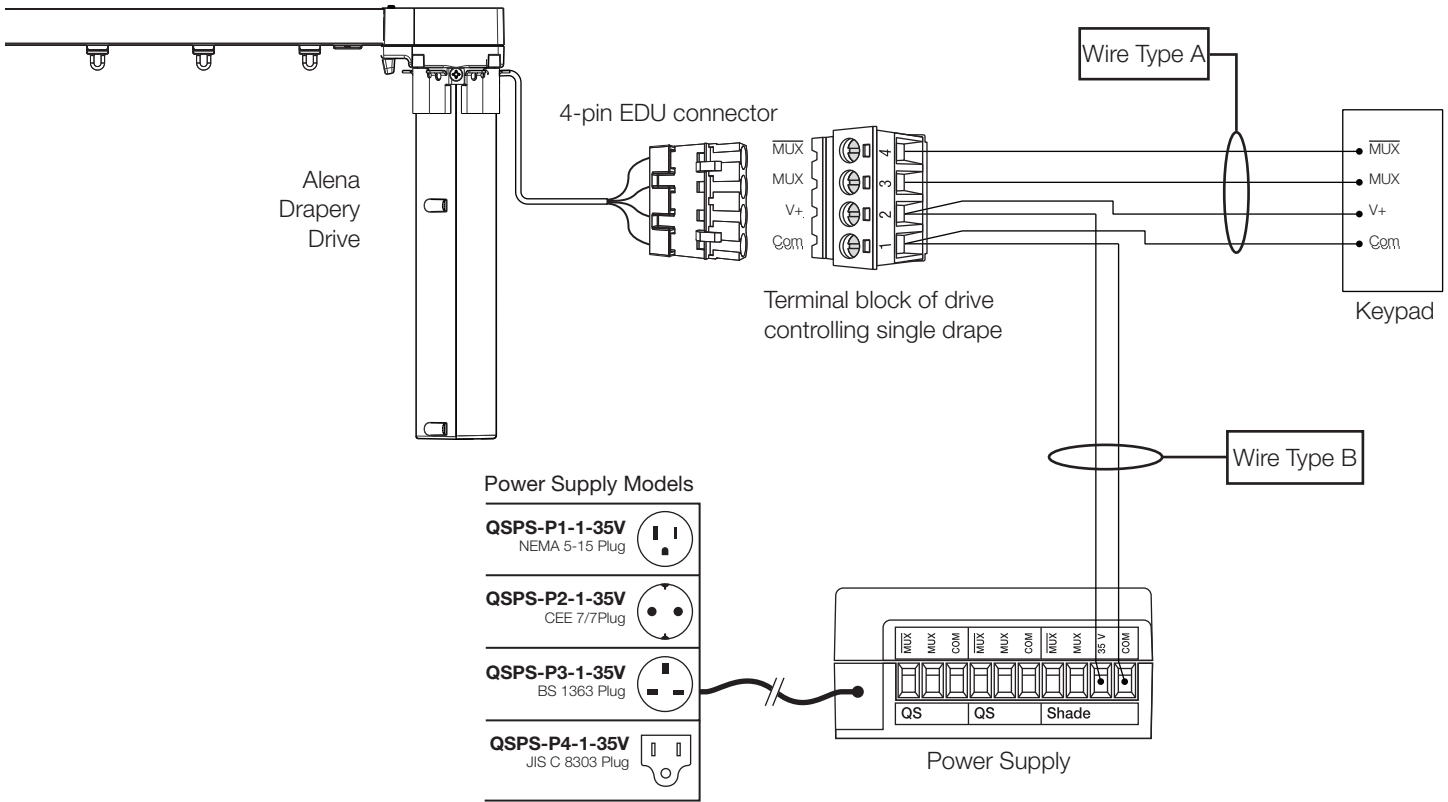
- | |
|---|
| <p>A = Standard ripple fold snap tape spacing of 4.25 in (108 mm)</p> <p>B = 1 in (25 mm)</p> <p>C = Varies with return distance</p> <p>D = 0.75 in (19 mm)</p> |
|---|

Job Name:

Model Numbers:

Job Number:

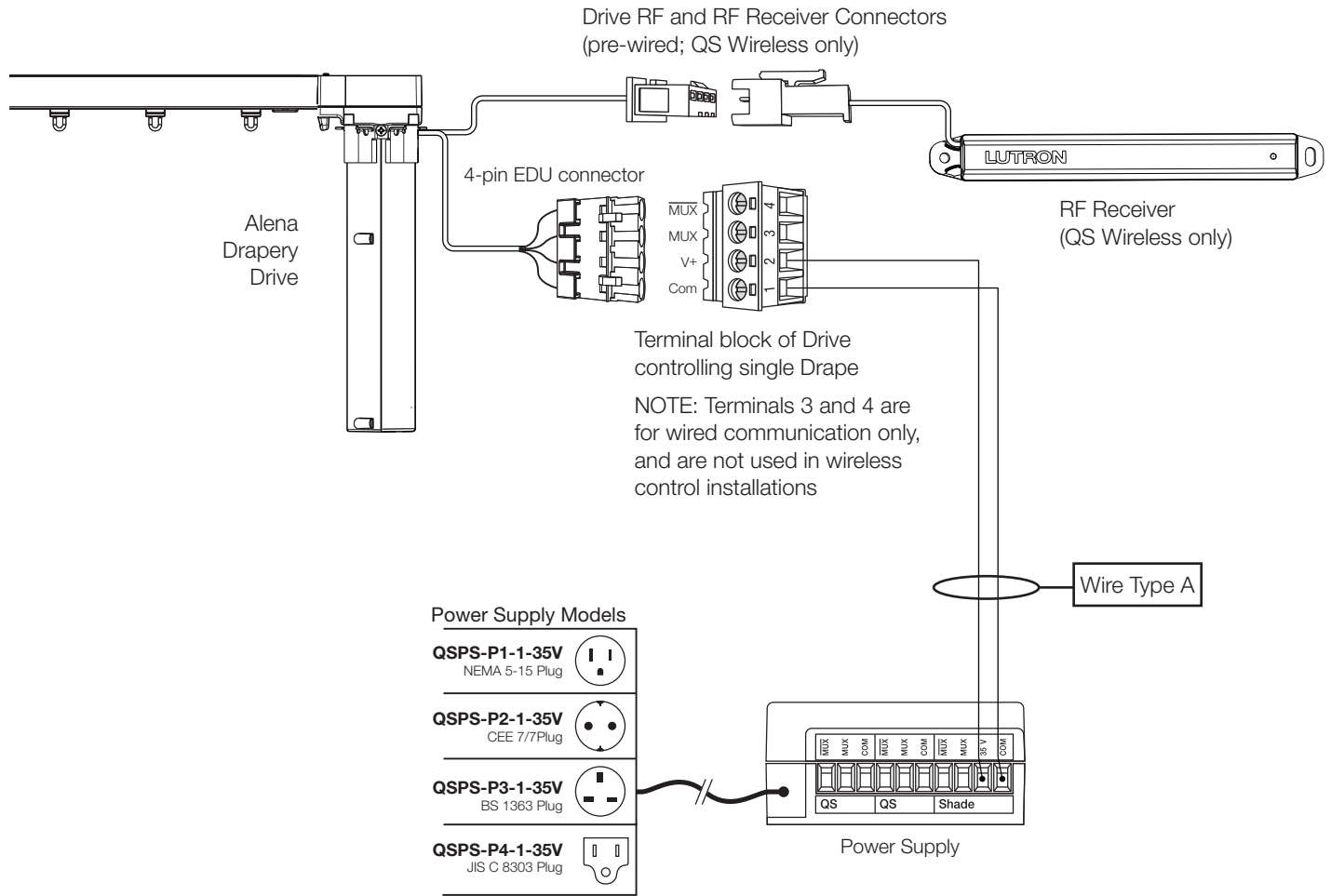
Alena QS | Single Drive Wiring



Wiring types	Purpose	Wire options
A	Keypad power and comm	18-22 AWG (1.00-0.50 mm ²) - 250 ft (75 m) max (MUX/MUX twisted pair, shielded) Lutron P/N GRX-CBL-346S-500
B	Drive power (power supply to Drive)	12 AWG - (4 mm ²)-250 ft (75 m) max 16 AWG - (1.5 mm ²)-100 ft (30 m) max Lutron P/N QSHY-CBL-M-1000 Non-plenum Lutron P/N QSHY-CBLP-M-1000 plenum 18 AWG - (1 mm ²)-50 ft (17 m) max

Job Name:	Model Numbers:
Job Number:	

Alena QS Wireless | Single Drive Wiring



Wiring types	Purpose	Wire options
A	Drive power (power supply to Drive)	12 AWG - (4 mm ²)-250 ft (75 m) max 16 AWG - (1.5 mm ²)-100 ft (30 m) max Lutron P/N QSHY-CBL-M-1000 Non-plenum Lutron P/N QSHY-CBLP-M-1000 plenum 18 AWG - (1 mm ²)-50 ft (17 m) max

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