



Oasis® 2900 Patio Shade Installation Instructions



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Contents

<u>1.0 Overview</u>	2
1.1 Tools	2
<u>2.0 Enclosure Mounting</u>	2
2.1 Back Cover Assembly.....	2
2.2 Pre-Drill Mounting Holes.....	2
2.3 Drill Motor Cable Routing Holes (if applicable).....	3
2.4 Enclosure and Bracket Mounting	4
2.5 Exposed Bracket System	4
2.51 Bracket Location and Mounting.....	5
2.6 Site-Built Pocket Bracket System	5
2.61 Bracket Location and Mounting.....	5
2.7 Operator Bracket Orientations	6
2.71 Somfy Motor Mount Orientation	6
2.72 Lutron EDU Mount Orientation.....	6
<u>3.0 Shade Installation</u>	7
3.1 Motor Cable Routing.....	8
3.11 Somfy Motors.....	8
3.12 Lutron EDU	8
3.2 Shade Removal.....	8
<u>4.0 Side Track Installation</u>	9
<u>5.0 Shade Operation</u>	11
<u>6.0 Front Cover Installation</u>	11
6.1 Head Box Front Cover.....	11
6.2 Extruded Pocket Front Cover and Access Flap.....	12
6.21 Access Flap Installed First	12
6.22 Access Flap Installed Last	13
6.3 Site-Built Pocket Flap and Hangar	14
<u>7.0 Fabric Telescope Adjustment</u>	14
<u>8.0 Somfy Motor Wire Options</u>	15
8.1 Drip Loop.....	15
8.2 Standard Motor Wire Options.....	15
8.3 Fast Connect Motor Wire Options	15



Oasis® 2900 Patio Shade Installation Instructions

1.0 Overview

The following installation instructions are for Insolroll's Oasis® 2900 patio shades. The enclosure options available for this product line are: 5" x 5 1/2" Head Box and 5" x 5 1/2" Extruded Pocket with access flap. The operator options available are: Somfy Motors and Lutron Electronic Drive Unit. The Oasis® 2900 is only offered with SHY® Zip zipper-retention side track. Hardware and enclosure assembly screws are included, but **mounting screws are not provided**. The type and size of screw required are project specific and will vary depending upon the mounting surface.

1.1 Tools

Screw/drill gun with Phillips-head bit extender; hex head driver; standard and Phillips-head screwdriver; pliers or channel locks; level; tape measure; 3/16" and 3/8" drill bits; appropriate fasteners for your specific application.

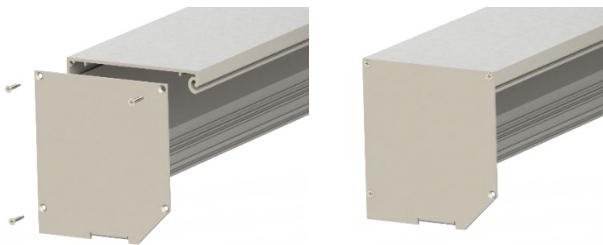
2.0 Enclosure Mounting

Head Box and Extruded Pocket systems are shipped with the same 5" x 5 1/2" back cover. The end plates for Head Box and Extruded Pocket systems will be different.

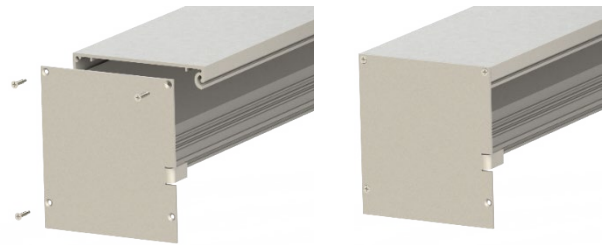
2.1 Back Cover Assembly

Locate the back cover, end plates and the end plate hardware. Mount the left and right end plates to the back cover using six of the eight screws provided. The two end plate screws that are left will be used to secure the front cover at the end of the installation.

Head Box



Extruded Pocket



2.2 Pre-Drill Mounting Holes

Mark the back cover mounting locations. Start by marking the two end mounting locations on the inside of the back cover about 6" in from each end plate. If the back cover is longer than 6', mark intermediate mounting locations 4' to 6' apart. Mounting locations for ceiling mount applications will be on the top of the back cover while for wall mount applications they will be located on the back of the back cover. Pre-drill the holes using a 3/16" drill bit.

Ceiling Mount



Wall Mount





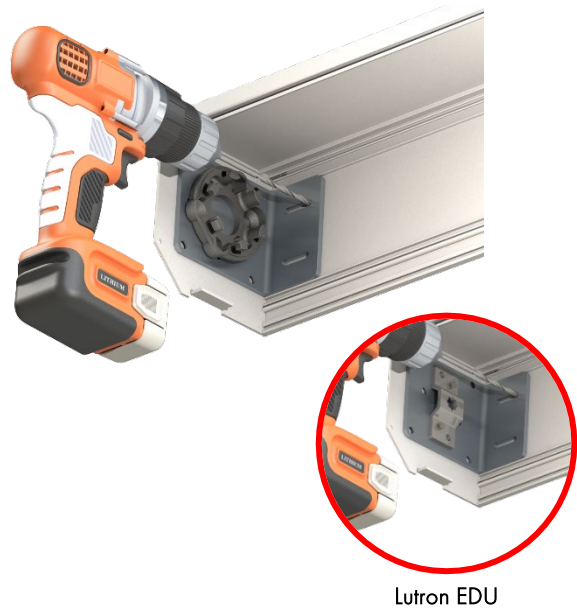
Oasis® 2900 Patio Shade Installation Instructions

Mark the bracket mounting locations on the back cover. Place the operator and idler brackets in the channels of the back cover. Mounting locations for ceiling mount applications will be on the top of the back cover while for wall mount application they will be located on the back of the back cover. Pre-drill the holes using a 3/16" drill bit. Only operator brackets are shown.

Ceiling Mount



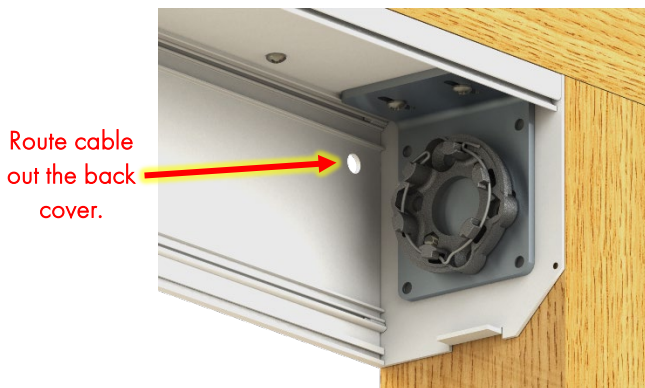
Wall Mount



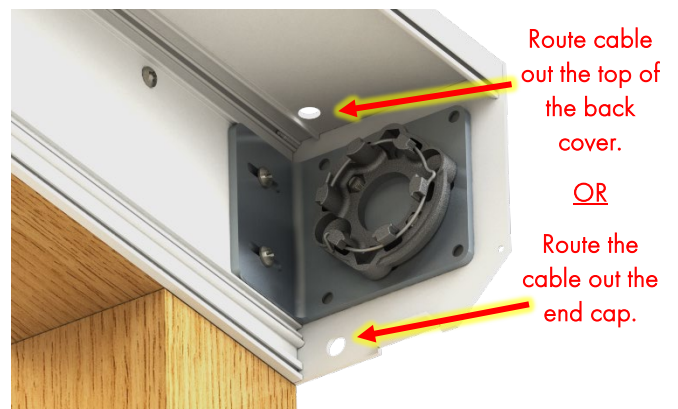
2.3 Drill Motor Cable Routing Holes (if applicable)

Think through the motor wire routing plans for your application and determine the location of the motor cable hole. For information on the size of the hole needed, refer to section 8.0 Somfy Motor Wire Options. The images below show typical applications for inside ceiling mount and outside wall mount applications. These images may not apply to you as each application can be different.

Inside Ceiling Mount



Outside Wall Mount





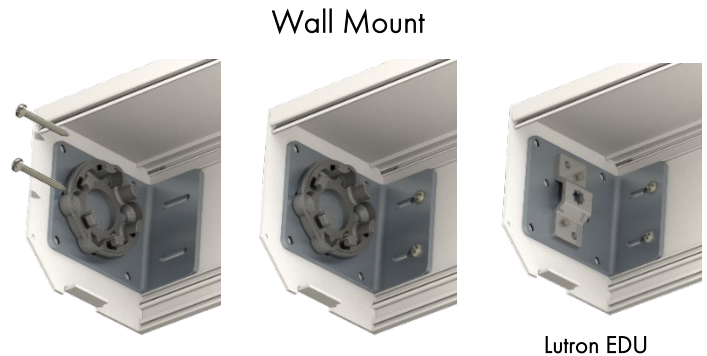
Oasis® 2900 Patio Shade Installation Instructions

2.4 Enclosure and Bracket Mounting

Mount the enclosure first using the pre-drilled holes in section 2.2 Pre-Drill Mounting Holes. Use a level to ensure the enclosure is mounted completely level. We recommend pan head screws for mounting and advise you to stay away from using deck screws to mount the back cover and brackets. Mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface.



Insert and mount the operator and idler brackets using the pre-drilled holes in section 2.2 Pre-Drill Mounting Holes. Only operator brackets are shown.



2.5 Exposed Bracket System

Exposed bracket systems are shipped with pre-set operator and idler bracket assemblies. There are no end plates for exposed applications, the brackets and screw heads are painted for a finished look.

Operators



Idler

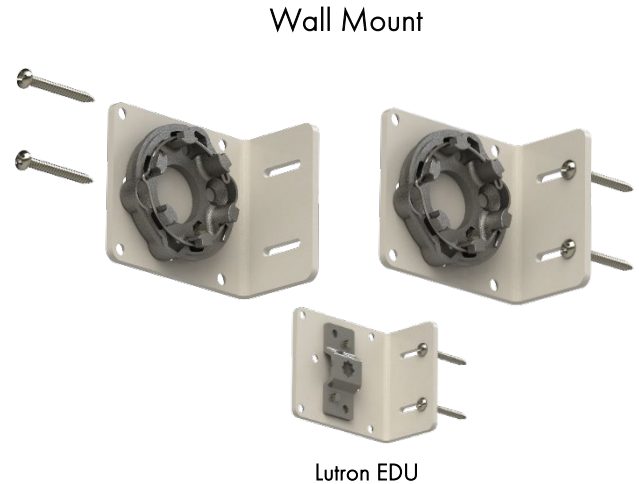
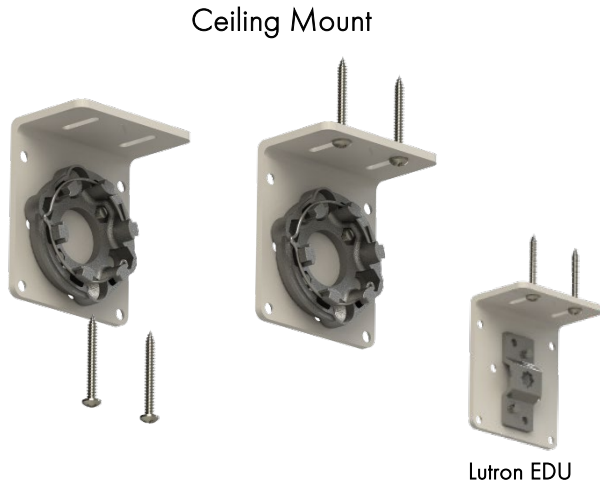




Oasis® 2900 Patio Shade Installation Instructions

2.51 Bracket Location and Mounting

Mark the location of the brackets noting that the bracket-to-bracket width equals shade order width. For proper shade operation, brackets must be mounted perfectly level. Verify using a tape measure and level. The brackets should be mounted so the bottom of the bracket sits about 1 1/4" above the top of the side track. Measure the total length of the side track and mount accordingly. Only operator brackets are shown.

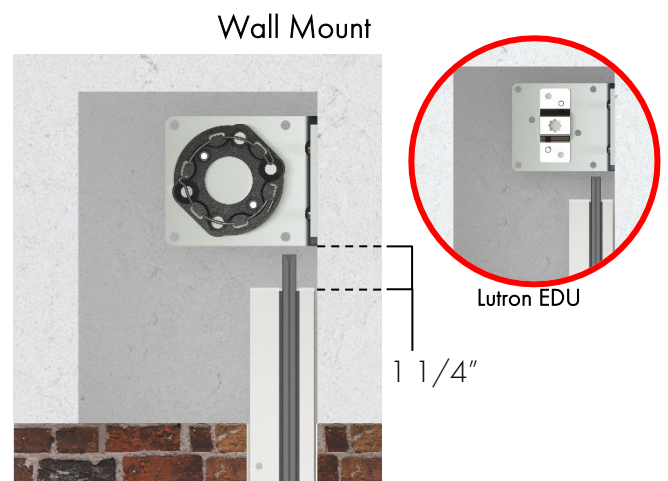
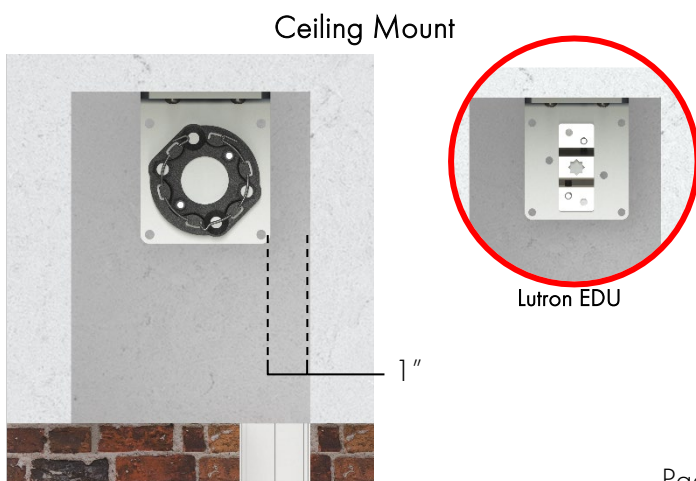


2.6 Site-Built Pocket Bracket System

Site-built pockets should be built to be 6 1/2" deep and 9" tall (as specified in the Oasis 2900 New Construction Detailing Guide). Site-built pocket systems are shipped with pre-set operator and idler bracket assemblies. There are no end plates for site-built pocket applications, the brackets are not painted since they will be hidden in the pocket.

2.61 Bracket Location and Mounting

Mark the location of the brackets noting that the bracket-to-bracket width equals shade order width. For proper shade operation, brackets must be mounted perfectly level. Verify using a tape measure and level. For ceiling mount applications, the back of the bracket should be offset 1" from the back wall of the pocket. For wall mount applications, the brackets should be mounted so the bottom of the bracket sits about 1 1/4" above the top of the side track. Measure the total length of the side track and mount accordingly. Only operator brackets are shown.





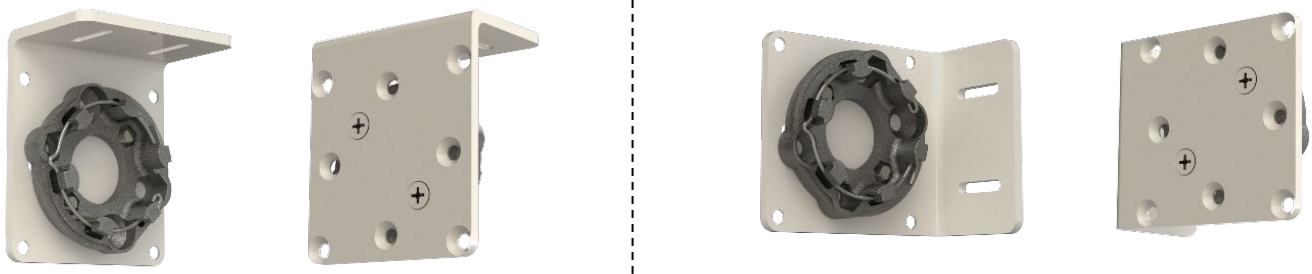
Oasis® 2900 Patio Shade Installation Instructions

2.7 Operator Bracket Orientations

All the systems are shipped with pre-assembled operator and idler bracket assemblies. Use the following information for your systems operator to verify the proper bracket orientation.

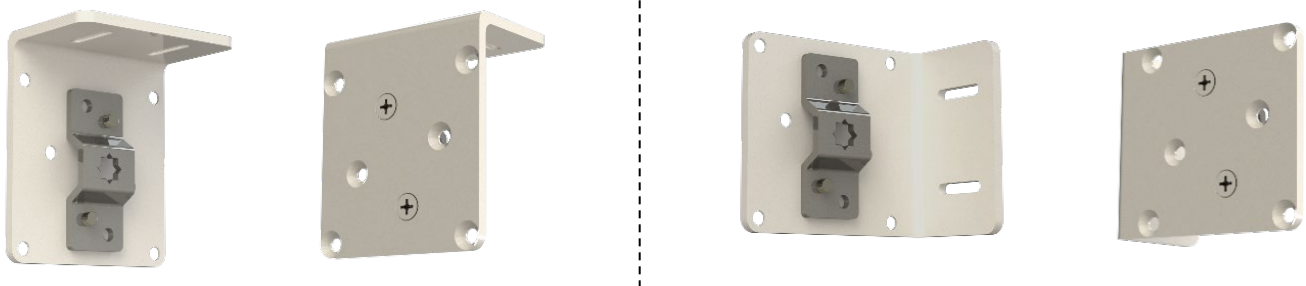
2.7.1 Somfy Motor Mount Orientation

The Somfy star head motor mount does not need to be mounted in a specific orientation on the bracket. The motor mount is shipped with a motor retaining clip installed. It is recommended that you leave the retaining clip in place throughout the entire installation. The retaining clip will snap into place when the motor is fully seated. For Somfy motor wire information, refer to section 8.0 Somfy Motor Wire Options



2.7.2 Lutron EDU Mount Orientation

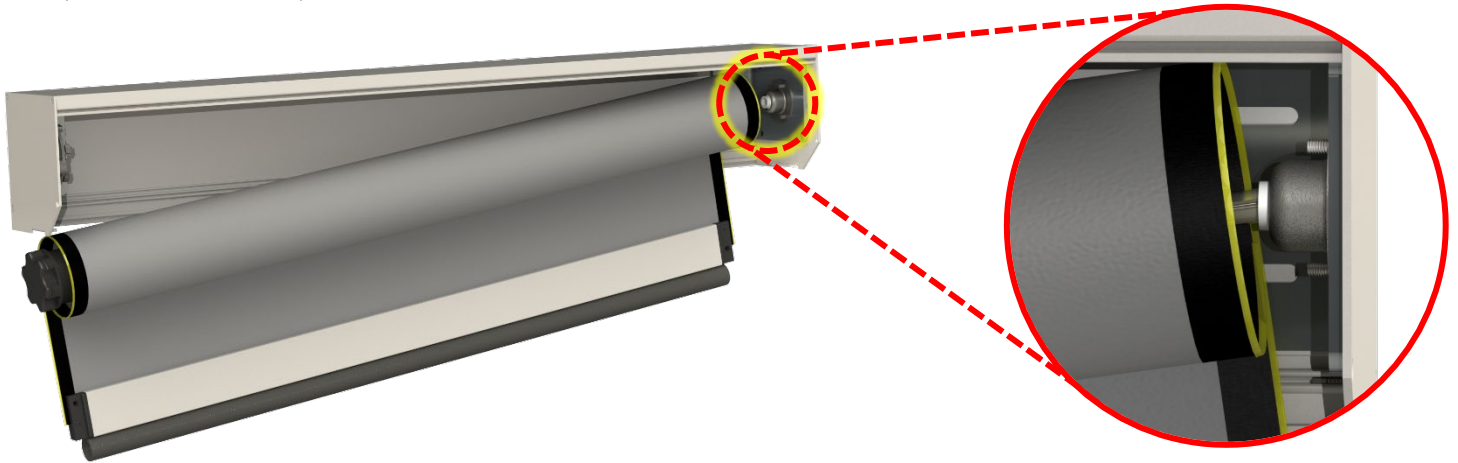
The Lutron EDU bracket should always be installed with the EDU plate vertical. This allows you to access the cotter pin hole at the end of the installation. It is required to insert the cotter pin to secure the EDU in place. In the event you need to change the orientation of the EDU plate, you can do so without needing additional parts. Simply remove the screws to disassemble the EDU plate from the bracket. Re-orient the EDU plate using the following images for the desired application.



Oasis® 2900 Patio Shade Installation Instructions

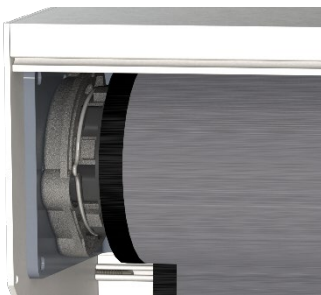
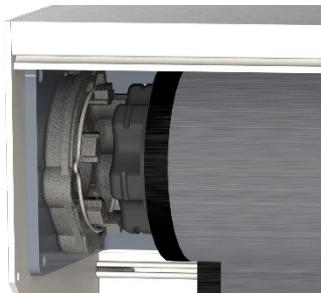
3.0 Shade Installation

Install the shade by carefully inserting the idler pin into the plastic ball on the idler bracket and compress the idler so the operator clears the operator bracket.

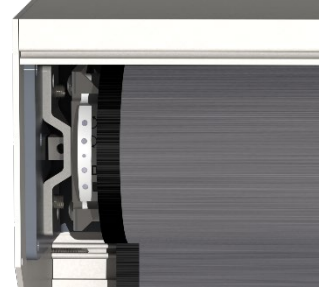
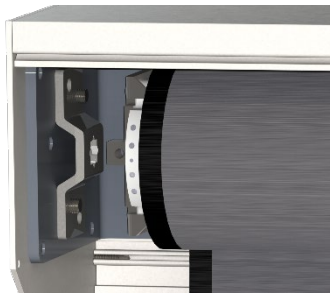


Align the operator to fit into the operator bracket. Ensure it is fully seated. For Somfy operated shades, ensure you hear the retaining ring snap into place. For Lutron operated shades, insert the provided cotter pin to hold the EDU in place.

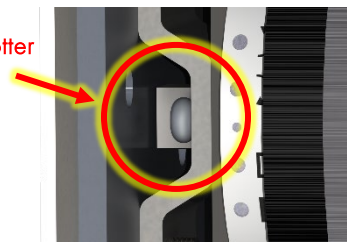
Somfy Motor



Lutron EDU



Insert Cotter
Pin

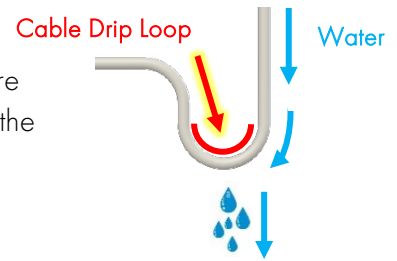




Oasis® 2900 Patio Shade Installation Instructions

3.1 Motor Cable Routing

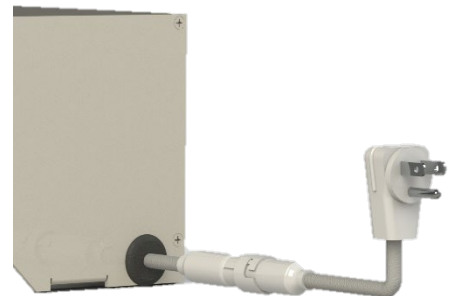
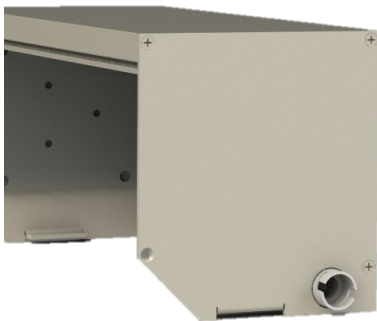
Always orient the power wire so it does not interfere with the shade operation. Ensure there is an adequate drip loop length so no condensation can travel to the head of the motor or EDU.



3.1.1 Somfy Motors

For standard motor wires (hardwire and molded plug), route your motor cable through the hole that was drilled in section 2.3 Drill Motor Cable Routing Holes. Place the grommet over the cable and insert it into the drilled hole. Then run your wire to the power source.

For fast connect wires, route your motor cable through the hole that was drilled in section 2.3 Drill Motor Cable Routing Holes. Place the grommet over the cable and insert it into the drilled hole. Then attach the female connector to the male connector and run the wire to the power source.



3.1.2 Lutron EDU

Lutron EDU shades are offered in wired and wireless configurations. For RF Dongle information please refer to the Lutron Sivoia QS Wireless Receiver Install Instructions. For wired systems, please refer to the Lutron Sivoia QS Basic Wiring and Setup Instructions. Single power supply specific information can be found in the Plug In Power Supply WIN Instructions, while multi power supply information is in the Lutron Sivoia QS Wiring and Programming Guide.

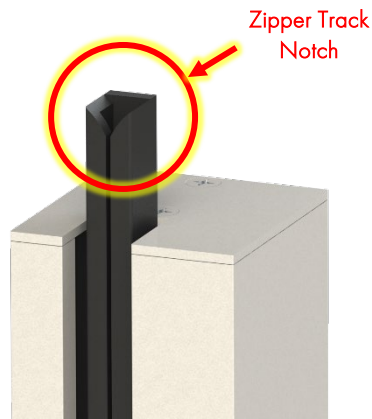
3.2 Shade Removal

To remove the shade, reverse the above installation instructions. Begin by, removing the retaining ring or cotter pin if applicable. Move the shade toward the idler to compress the idler enough so that the operator clears the operator bracket. Remove the idler pin from the idler bracket.

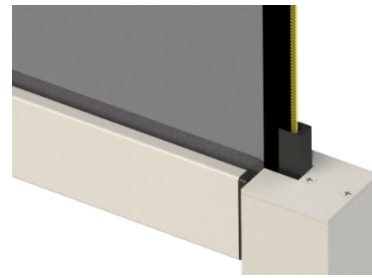
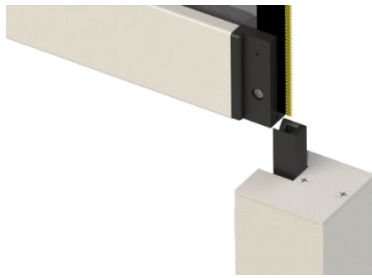
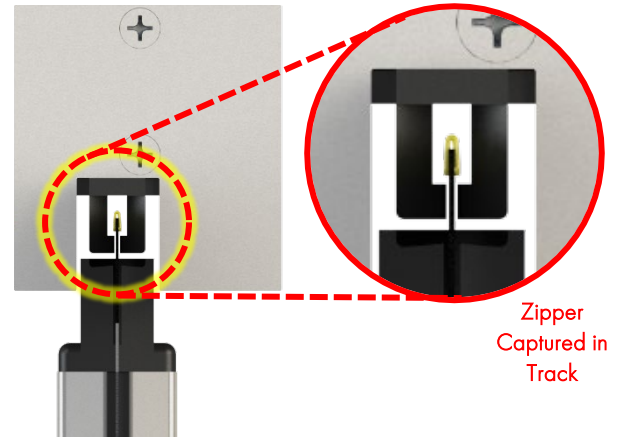
Oasis® 2900 Patio Shade Installation Instructions

4.0 Side Track Installation

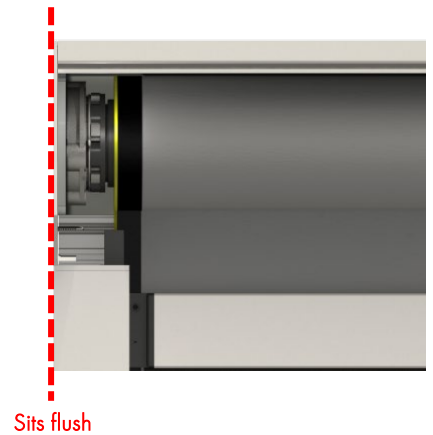
Begin by guiding the zipper edge of the fabric into the plastic zipper insert at the top of the side track. The top of the plastic zipper insert protrudes out of the side track and is notched to assist in the insertion of the zipper.



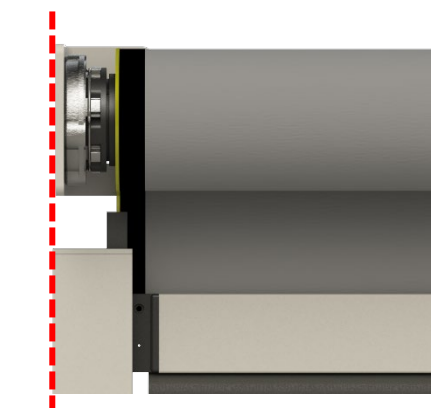
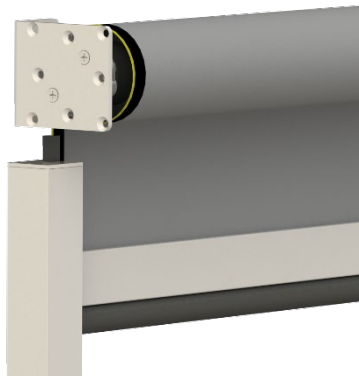
Birds-Eye View



For enclosed systems: Align the side tracks with the ends of the enclosure. The side tracks should sit flush with the back and sides of the enclosure.



For exposed systems: Align the side tracks with the end of the brackets. The side tracks should sit flush with the back and sides of the brackets. There should be about a 1 1/4" gap between the bottom of the bracket and top of the side track.





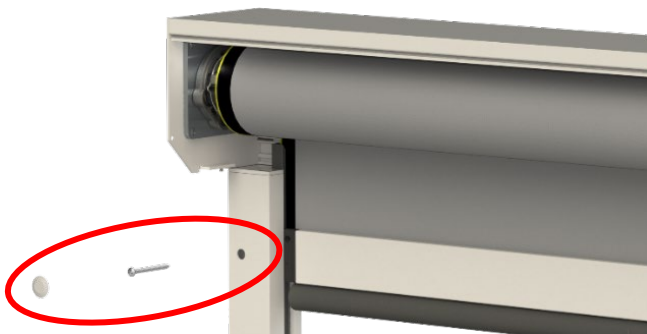
Oasis® 2900 Patio Shade Installation Instructions

For recessed u-track systems: Recessed u-track should have been installed during construction prior to the shade installation. To ensure a proper fit, the u-track should be clear of any debris. The u-track will determine the sidetrack location. Ensure that the side track sits flush with the side of the operator and idler brackets.



The side tracks will be shipped with pre-drilled mounting holes (unless specified not to pre-drill when ordering). The pre-drilled hole location will depend on whether the side tracks were ordered for face mount or side mount installation. #8 x 3 1/2" mounting screws are provided for both face and side mount applications. Use a level and tape measure to ensure the side tracks are mounted perfectly vertical and parallel to each other. **It is recommended that you run the shade up and down a few times before fully securing each side track.** If the shade binds during operation, the side tracks could be too close, too far apart, or out of square. Measure and adjust as needed.

Face Mount



Side Mount





Oasis® 2900 Patio Shade Installation Instructions

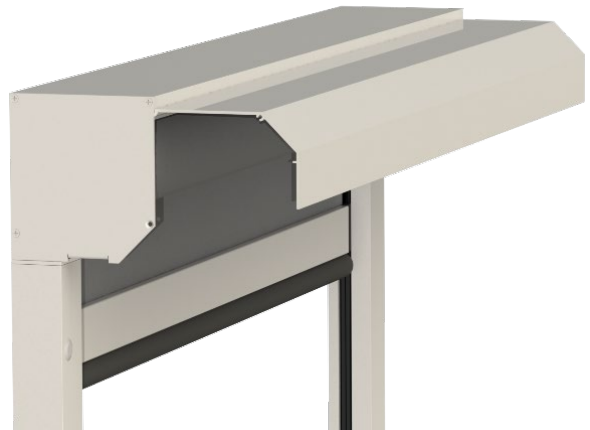
5.0 Shade Operation

Ensure your shade is set to the correct pre-set limits. If the limits need to be adjusted on Somfy motorized shades, please refer to the Motor Programming Instructions. If the limits need to be adjusted on Lutron EDU powered shades, please refer to the Lutron Sivoia QS Wiring and Programming Guide. Insolroll strongly advises against using any sensors (wind, sun, etc.) or programming any scheduled or timed events with our Oasis products.

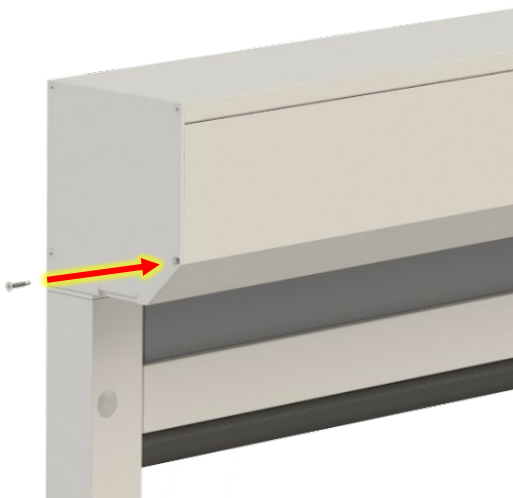
6.0 Front Cover Installation

6.1 Head Box Front Cover

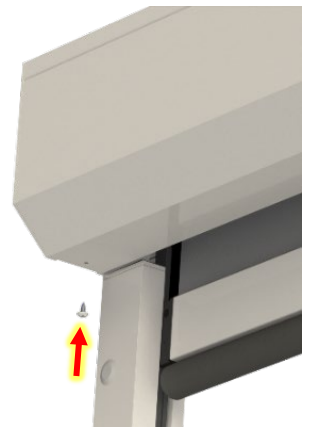
Insert the front cover tongue into the back cover groove, the front cover needs to be perpendicular in order to fit properly into the groove of the back cover. After correctly inserting the front cover into the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with the end plate screws provided.



For outside mount: Secure the end plate to the front cover with the end plate screws provided.



For inside mount: If you cannot access the end plate screw holes for inside mount applications. Use a 1/8" drill bit to pre-drill through the bottom of the front cover and the end plate tab. Secure the front cover using the provided 3/8" painted screw.





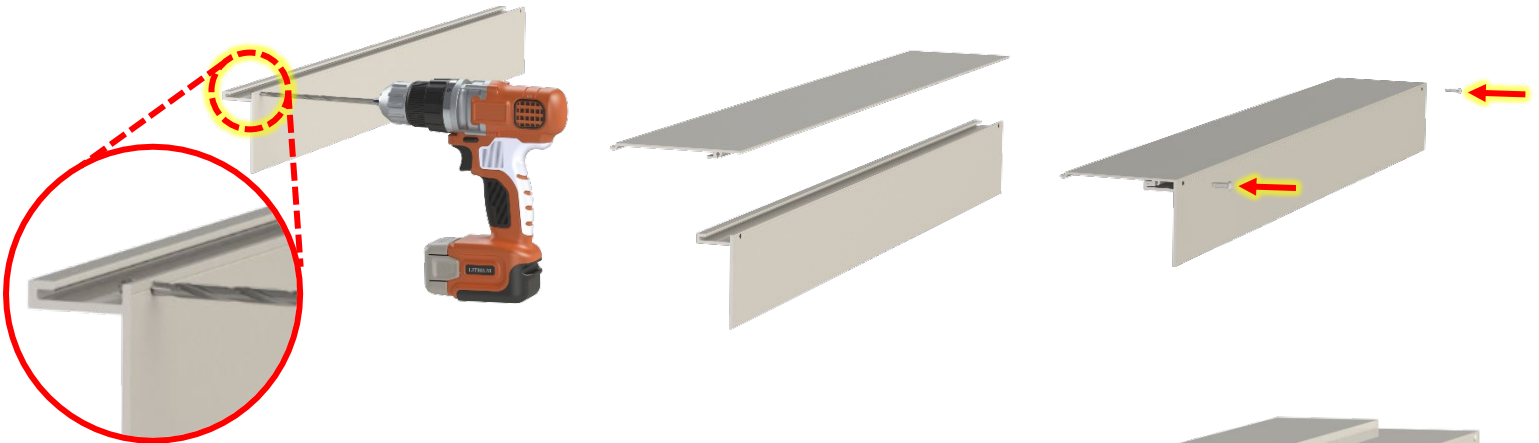
Oasis® 2900 Patio Shade Installation Instructions

6.2 Extruded Pocket Front Cover and Access Flap

The Access Flap for Extruded Pocket applications can be installed a few different ways depending on your application. You can install the access flap to the front cover first as described in section 6.21 or you can install the front cover to the back cover first as described in section 6.22.

6.21 Access Flap Installed First

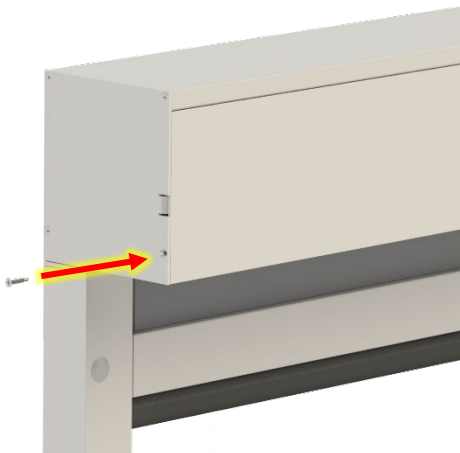
Use a 1/8" drill bit to pre-drill through the access flap in the bevel at about 1/2" from the left and right of the ends. Hook the access flap onto the front cover and secure it using the painted 3/4" self-tap screw.



Insert the front cover tongue into the back cover groove, the front cover needs to be perpendicular in order to fit properly into the groove of the back cover. After correctly inserting the front cover into the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with the end plate screws provided.



For outside mount: Secure the end plate to the front cover with the end plate screws provided.



For inside mount: If you cannot access the end plate screw holes for inside mount applications. Use a 1/8" drill bit to pre-drill through the face of the front cover and the end plate tab. Secure the front cover using the provided 3/8" painted screw.





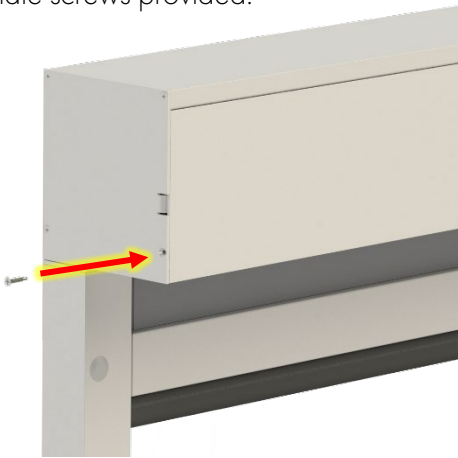
Oasis® 2900 Patio Shade Installation Instructions

6.22 Access Flap Installed Last

Insert the front cover tongue into the back cover groove, the front cover needs to be perpendicular in order to fit properly into the groove of the back cover. After correctly inserting the front cover into the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with the end plate screws provided.



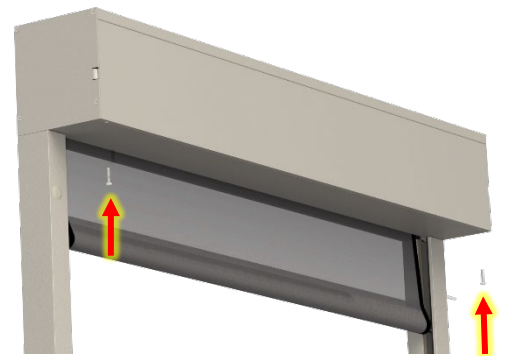
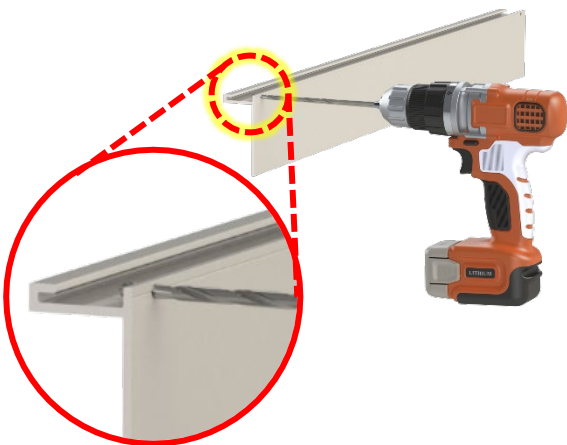
For outside mount: Secure the end plate to the front cover with the end plate screws provided.



For inside mount: If you cannot access the end plate screw holes for inside mount applications. Use a 1/8" drill bit to pre-drill through the face of the front cover and the end plate tab. Secure the front cover using the provided 3/8" painted screw.



Use a 1/8" drill bit to pre-drill through the access flap in the bevel at about 1/2" from the left and right of the ends. Hook the access flap onto the front cover and secure it using the painted 3/4" self-tap screw.

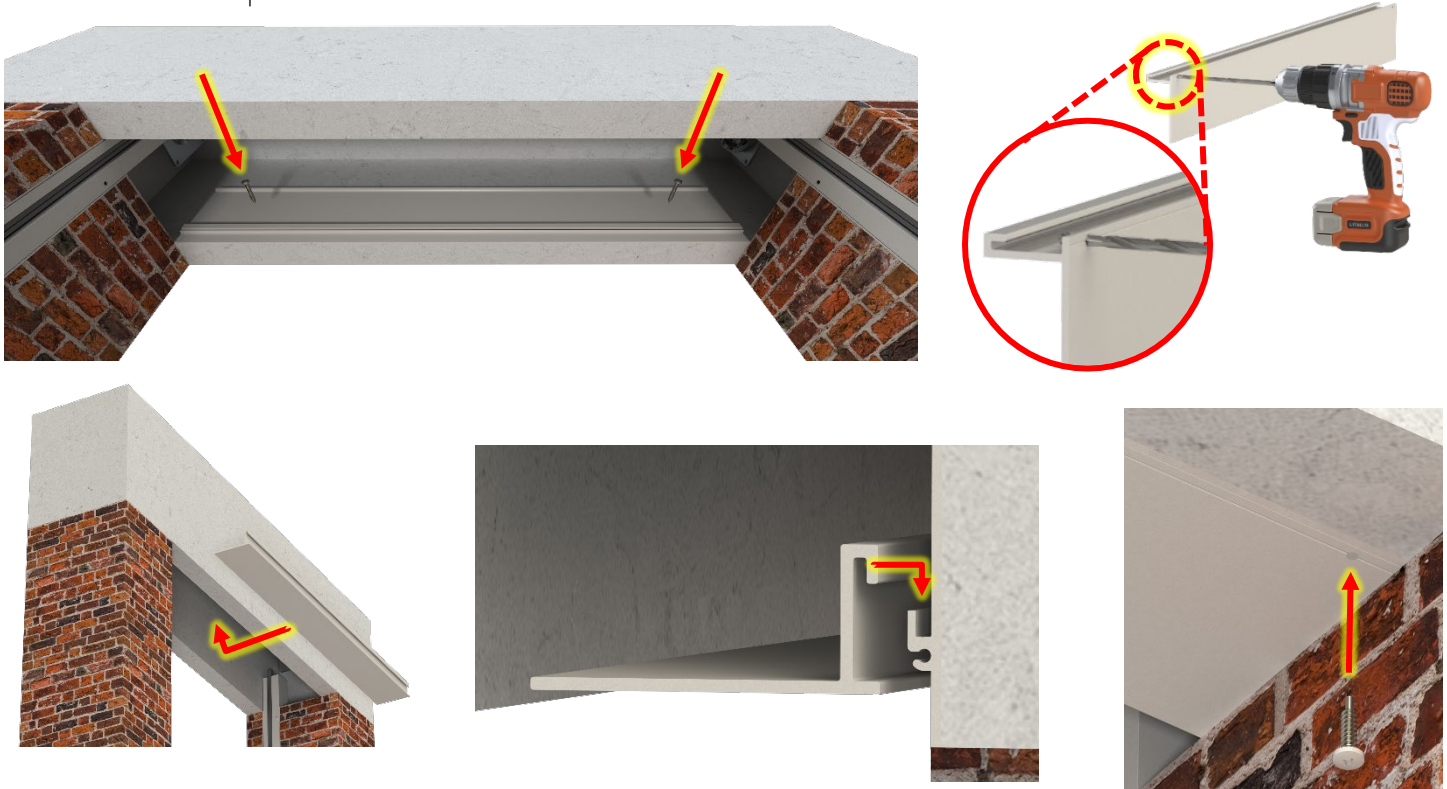




Oasis® 2900 Patio Shade Installation Instructions

6.3 Site-Built Pocket Flap and Hangar

Place the flat side of the hangar on the front of the pocket and ensure the bottom of the hangar sits flush with the bottom of the pocket. We recommended using a 90-degree drill or extender to secure the hangar to the pocket, especially for hard to reach or smaller pockets. We also recommend using pan head screws for mounting and advise you to stay away from using deck screws to mount the hangar. Mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface. Begin securing the hangar to the pocket about 6" in from each end. If the hangar is longer than 6', place intermediate mounting fasteners 4' to 6' apart.



7.0 Fabric Telescope Adjustment

Fabric telescoping is excessive horizontal movement of fabric while shade rolls up on the tube. Shades are tested and fabric telescoping is adjusted prior to shipment, but additional adjustments may be required depending on each specific application.

If fabric adjustments are required, roll the shade all the way down so the tube is exposed (this will require adjustment of the lower limit using the Motor Programming Instructions for motorized shades).

Place a piece of duct tape, 2"-4" in length, near the edge of the tube on the side opposite of the direction the fabric is moving.

Run the shade up and down a few times. If the shade still telescopes, repeat the process. The correct amount of tape can only be determined by trial and error. Re-set the lower limit after completing shade adjustments.



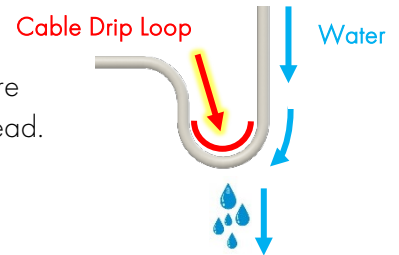
Oasis® 2900 Patio Shade Installation Instructions

8.0 Somfy Motor Wire Options

Insolroll offers a wide range of motor wires to accommodate most applications. Standard wires are single wires that route from the motor directly to the power source. Fast Connect wires come as two separate wires, a male connector and your choice of the three available female connectors.

8.1 Drip Loop

Always orient the power wire so it does not interfere with the shade operation. Ensure there is an adequate drip loop length so no condensation can travel to the motor head.



8.2 Standard Motor Wire Options



Molded Plug

Great for plug and play applications.

Requires a 1 1/4" hole to be drilled in order to route through the enclosure. (No grommet included)

Readily available in four lengths: 18", 6', 10', 24'



Hardwire

Most versatile option available. Direct wire into J-box or add a universal wall plug for plug and play applications.

Requires a 3/8" hole to be drilled in order to route through the enclosure. (Grommet is included)

Readily available in one length: 24'

8.3 Fast Connect Motor Wire Options

Male Connector



Connects the motor to any of the three available female connectors.

Requires a 7/8" hole to be drilled in order to route through the enclosure. (Grommet is included)

Only available in one length: 19"



Molded Plug

Great for plug and play applications.

Readily available in one length: 8' 4"

Female Connector Options



Hardwire

Most versatile option available. Direct wire into J-box or add a universal wall plug for plug and play applications.

Readily available in one length: 8' 4"



J-Box Wall Plate

For applications where J-box is within 1' from the motor side of the shade.

Only available in one size where wires on the back are 4" long and the connector protrudes 2" from the front of the plate.