

Installation Instructions

Premium Battery Skylight System

Designed to Fit Inside Skylight Well

Tools Required:

1. Drill
2. 9/64 Drill Bit
3. 2 Inch Extension (or longer) # 2 Phillips Drive
4. Phillips Screw Driver
5. Level
6. Marker-Pencil

Understanding the Skylight System:

All Drive Components are User Replaceable

This is a tension system with the shade mounted to a heavy duty spring roller. The 80 Pound rated monofilament line connects the bottom of the shade to the motorized roller. To close the shade, the motor winds the monofilament line on its shaft pulling the shade forward covering the skylight opening. Reversing the motor unwinds the monofilament line and the spring roller pulls the shade back. Travel limit stops are set during the installation preventing the shade from moving too far forward or back.

The skylight shade system is supplied as two assembled basic units. The shade is installed on one mounting plate with the rewind tension set. The motorized roller is on the other mounting plate. The bottom of the motor extends below the plate. The eye on the lower section of the motor (tear drop) must be visible to receive the signal from the Infrared Remote. If it must be covered by your installation requirements please order an extension eye. The motor is on a flexible mount but take care not to bend, twist or pull. You will notice it seems loose; this is part of the design so it can be turned. Consequently, it is somewhat fragile until the unit is installed. The motor and shade mounting plate also serve as light shields.

1 Locate the installation area for the skylight system. There must be sufficient room to install the bottom of the mounting plates equal to or above the ceiling level.

2 Install the Shade Mounting Plate First

The shade faces up towards the top of the skylight and flat side down to the room. Locate beams or a firm mounting surface and position the plate confirming its level. Drill 3 holes through the back of the mounting plate under the shade. Take care not to damage the shade material. Best placement is one hole in the center and one near each end. Run screws through the holes into the mounting surface and confirm that the installation is secure by pulling on the plate. Screws must be flat against the back of the plate preventing any movement. Then install a screw about center to a firm surface above the shade.

3 Remove the wrapper from the shade and pull the monofilament line about 12 inches to confirm the shade moves forward and then powers back.

4 On the opposite wall of the skylight and if possible at the same level install the motor plate. Follow the instructions listed in #2 using 4 or more screws.

5 The monofilament line is secured through the center of the shade bottom bar. The line should be loose fitting during this step; the rotation of the motor will apply the necessary tension. Pull the line across and wrap around the motor shaft 4 times in a clockwise direction and secure with 3 or 4 knots to the motor connection. Cut off the excess line.

6 Secure the battery clips to the skylight wall slightly above the motor. The wire on the round battery pack must face the motor and be close enough for the wire to reach it. Push the battery pack into the clips. Take care to feed the wire through the slot next to the motor and plug in where marked.

7 Follow motor instructions. The monofilament line feeds under the motor roller pulling the shade flat. (The shade material must roll from the bottom of the motorized roller.)

8 Power the motor so it winds the monofilament line pulling the shade across the skylight. Stop when the bottom bar is close to the motor. SET THE FORWARD LIMIT STOP.

9 Reverse the motor until the shade is fully retracted stopping close to the shaded roller. SET THE REVERSE LIMIT STOP.

10. Install the two side channels level with the shade and motor mounting plates. Drill through the back of each channel and secure with two or more screws to a firm mounting base. The screw heads must be tight against the metal.

11 Power the shade confirming it travels smoothly in both directions and stops at its limits.

12 If there are light streaks fill with matching silicone caulk.

Keep these motor instructions on file. Batteries are rated 3-5 years under normal use. When they are reset it might be necessary to reset the motor limits.