Installation Guide

for Andersen® LuminAire® Retractable Insect Screen Double Door with SlideAway® Insect Screen System

Designed for 68” – 72” wide by 80” tall double hinged doors with suitable mounting surface.

For installation help please visit www.AndersenLuminAire.com/install

Please Do Not Return Product to Store!

PLEASE call the Storm Door Solution Center at 844-813-6664, with any questions regarding installation, lost part replacement, or anything else related to your retractable insect screen purchase. Replacement parts can also be found at: parts.andersenstormdoors.com

Read this entire guide before you begin your installation. If your abilities do not match the requirements of this installation, contact an experienced contractor.

Your installation kit should contain the following parts.

1. Active Housing (gray fastener clips on end caps)
2. Passive Housing (labeled passive on end caps)
3. Screen Tracks (top and bottom)
4. End Caps (attached to ends of housings)
5. Sill Adapter
6. Orange Installation Clips
7. Shipping Plastic Wrap
8. Track Extenders (qty 2)
9. Track Stops (qty 2)
10. Slot Covers (qty 2)
11. Not Shown: Screw Pack containing:
   • 1 inch #8 screws (qty 6)
   • ½ inch #8 self-tapping screws (qty 6)
   • #2 Phillips Bit
   • ¼ inch Drill Bit
   • ⅛ inch Hex Wrench
   • Corner Pile (qty 2)

NOTE: The orange installation clips attached to the Housings provide product protection during shipping and installation. DO NOT extend the screens from the housings or remove installation clips until instructed.

To avoid product damage, be sure to place all parts of your retractable insect screen on a soft non-abrasive surface such as carpet, drop cloth placed on your lawn or cardboard.
SAFETY FIRST: Please read and follow all Cautions and Warnings in this guide.

**WARNING**
Follow manufacturers' instructions for hand and power tools. Always wear safety glasses. Failure to do so could result in injury, product or property damage.

**WARNING**
Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry, and install window and door products. Heavier windows and doors will require mechanical assistance. Failure to do so could result in injury, product or property damage.

**CAUTION**
Metal components of the retractable insect screen may become hot when exposed to sunlight.

**IMPORTANT**
The retractable insect screen is intended for reasonable insect control and not the retention of objects, persons, or pets within the interior. The retractable insect screen will not stop a person from falling through the door.

**WARNING**
Metal fasteners and components could corrode when exposed to preservative-treated or fire-retardent treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.

**CAUTION**
Fastener must attach to a structural framing member with a 1” minimum fastener embedment. Failure to do so could result in injury, product or property damage.

** IMPORTANT**
DO NOT remove screws that attached installation clips or gusset plates to window or door frames. Doing so could result in injury, product or property damage.

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This is the Safety Alert Symbol used to alert you to potential injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**Signal Word and Consequence**

<table>
<thead>
<tr>
<th><strong>Signal Word</strong></th>
<th><strong>Consequence</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WARNING</strong></td>
<td>Major Injury / Death</td>
</tr>
<tr>
<td><strong>CAUTION</strong></td>
<td>Minor Injury</td>
</tr>
<tr>
<td><strong>NOTICE</strong></td>
<td>Product or Property Damage</td>
</tr>
<tr>
<td><strong>IMPORTANT</strong></td>
<td>Procedure and Product Information</td>
</tr>
</tbody>
</table>

**RECOMMENDED TOOLS**

- #2 Phillips Bit (provided)
- 1/8 Drill Bit (provided)
- 3/32 Hex Wrench (provided)
- Screwdriver
- Safety Glasses
- Scissors
- Soft Cloth
- Pencil
- Sealant
- Tape Measure
- For installs less than 68” wide
  - Hacksaw
  - Work Gloves
  - Metal File
To install the retractable insect screen door, you must verify that the opening width, height and mounting surface are suitable size to properly install into the opening.

1. Measure the width at the top (W1), middle (W2), and bottom (W3) of the opening (see Figure 1). Measure from the inside of the exterior trim. Utilizing the narrowest width, reference chart below.

2. Measure the height at the center of the opening, from the bottom of the exterior trim at the top of opening down to the sill at the bottom of opening. Reference chart for height compliance.

3. Make sure that the exterior trim meets the mounting surface requirements to accommodate the retractable insect screen assembly (see Figure 2). The assembly needs 3/4" flat surface on exterior trim face and 3/4" minimum depth of mounting surface.

### Configuration Widths (Adjustable Width - Use for Step 1b)

<table>
<thead>
<tr>
<th>Configuration Widths</th>
<th>Opening Widths (Configuration Ranges)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 Configuration</td>
<td>70&quot; – 72&quot;</td>
</tr>
<tr>
<td>68 Configuration</td>
<td>68&quot; – 69 15/16&quot;</td>
</tr>
<tr>
<td>See Appendix A (Pg. 10)</td>
<td>Less than 68&quot;</td>
</tr>
</tbody>
</table>

### Opening Heights

<table>
<thead>
<tr>
<th>Also Available in</th>
<th>80&quot; (80&quot; – 80 ¾&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>78&quot; (78&quot; – 78 ¾&quot;)</td>
<td>Or 84&quot; (84&quot; – 84 ¾&quot;)</td>
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</tbody>
</table>

### CAUTION

If the Door Sill doesn’t extend past the Mounting Surface or does not have sufficient support, product damage, injury or both may occur.

- If the Door Sill extends past your exterior trim Mounting Surface and is supported, no modification is required (see Figure 3a).
- If the Door Sill is extended without support or not extended (see Figure 3b), you will need to add support blocking. See Appendix B (on page 10).

### IMPORTANT

**Track Extenders A and C**

Not all openings require the use of Track Extenders. They are for reinforcing the screen assembly at the wider ranges of the configuration. The track extenders can not be used at narrower ranges of the configurations as screen interference will occur. Reference the chart below detailing when to use the screen extenders and when not to use them.

<table>
<thead>
<tr>
<th>Opening Width</th>
<th>Configuration</th>
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<tr>
<td>71&quot; – 72&quot;</td>
<td>72&quot; Config.</td>
<td>Yes - Needed</td>
</tr>
<tr>
<td>70&quot; – 70 ¾&quot;</td>
<td>72&quot; Config.</td>
<td>Not needed</td>
</tr>
<tr>
<td>69&quot; – 69 ¾&quot;</td>
<td>68&quot; Config.</td>
<td>Yes - Needed</td>
</tr>
<tr>
<td>Less than 69&quot;</td>
<td>68&quot; Config.</td>
<td>Not needed</td>
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**Figure 1**

**Figure 2**

**Figure 3a**

**Figure 3b**
a1 Unpack both housings and screen tracks onto a non-abrasive surface, with the housing’s side labeled Interior facing up. Leaving the screens in the retracted position, arrange the components so the letters marked on the Screen Tracks and the letters marked on the Housing Endcaps align (A to A, C to C, Passive A to Passive Screen A and Passive C to Passive Screen C). Screen Tracks should be orientated with Long End up, and labeled side facing out from the assembly. Note: Active Housing has fastener clips and 68 & 72 inch markings. The Passive Housing is labeled PASSIVE on the end caps.

b1 At the end of the Screen Track labeled (Passive Screen) A, rotate the Screen Track so labeled side is down and the Screen Channel is up.

b2 Insert Hex Wrench into the Set Screw in the Track Stop.

b3 Insert Track Stop into the Screen Track with the Hex Wrench so the Set Screw slides into Screen Channel first followed by Locking Pin Receiver end.

b4 Slide the Track Stop to approximately the middle of the Screen Track. Tighten the Set Screw enough to prevent the Track Stop from moving.

b5 Repeat for Screen Track end labeled (Passive Screen) C. Rotate both screen tracks back to original position, so the long ends of Screen Tracks are up.

c1 If your opening width is between 69” and 70” or 71” and 72”, you will need to insert the Track Extenders into the Passive Housing End Caps. If your opening does not fall into these ranges, skip to Step d.

c2 Position the thicker end of the Track Extender A toward Passive Housing End Cap A with the Locking Tab toward the Screen Track.

Use Track Extender Only:
If your opening width is between 69” & 70” or 71” & 72”, see Page 3 for details.

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</tr>
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<td>68” Config.</td>
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3/32 Hex Wrench (provided)
Confirm the Fastener Clips on Active Housing endcaps, A and C are in the open position. Starting at corner A on the Active Housing, slide the Receiving Tab on Endcap A inside the Screen Track. Ensure the Receiving Tab fits inside the Screen Track, and the Screen Track slides into the Channel. (see “correct” above). (Visit AndersenLuminAire.com/Install to view a video of this step.)

Repeat for endcap C on the Active Housing and endcaps A and C on the Passive Housing. Be sure the screen tracks are all the way into the passive housing. (Note: The passive housing endcaps do not have Fastener Clips, this allows the screen tracks to slide for adjustment to fit the door opening.)

Use the “72 Configuration” for openings 70 - 72” wide or “68 Configuration” for openings less than 70” wide in step b. (If the opening is narrower than 68” wide, See Appendix A on page 10.)

If the opening is between 70” and 72”, adjust Screen Track A until 72” line aligns with edge of Active Housing Endcap A.

Rotate the Fastener Clip up until it snaps into the closed position.

Repeat steps for side C.

If the opening is less than 70”, adjust Screen Track A until 68” line aligns with edge of Active Housing Endcap A.

Rotate the Fastener Clip up until it snaps into the closed position.

Repeat steps for side C.
Tools Recommended:

Scissors

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2 PLACE, FASTEN ASSEMBLY INTO OPENING

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**a** With a **Scissors**, cut the **Plastic Wrap** along inside edge of the **Screw Flange** from both housings.

**a1** With a **Scissors**, cut the **Plastic Wrap** along inside edge of the **Screw Flange** from both housings.

**a2** With the interior of the screen assembly facing the door opening, rotate the assembly so the **Active Housing** is on the same side of the **Door Opening** as your **Primary Active Door**.

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**b1** The screen assembly will be narrower than your opening until fully expanded in the following steps.

**b2** Start by placing the **Screen Assembly** onto the exterior **Trim Surface**, with the **Screw Flanges** extending into the **Door Opening**. Rest the bottom of the screen assembly onto your sill or support blocking.

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**c1** Slide the screen assembly in the door opening until the **Active Housing** side **Screw Flange** is on the **Mounting Surface**.

**c2** Verify the screen assembly is plum, level and square in the door opening and the **Screen Housing** side **Screw Flange** is tight to **Mounting Surface**.
### Switch to Interior View

**d1** From the interior, while holding the **Active Housing** side **Screw Flange** tight to the **Mounting Surface**, extend the screen so it is clear of your drill/driver. Orange installation clips can come off and be properly disposed of.

**d2** With the ¼” bit provided, predrill through the center hole of the **Screw Flange** (large arrow) into the **Mounting Surface** a maximum depth of ¾”.

**d3** With one #8 - 1” screw, fasten **Active Housing** to the **Mounting Surface**. (Be careful not to overtighten)

**d4** Repeat steps for top and bottom holes. (Be careful not to overtighten)

**e1** Expand the screen assembly in the door opening until the **Passive Housing** side **Screw Flange** is on the **Mounting Surface**.

**e2** Verify the screen assembly is plum, level and square in the door opening and the **Passive Housing** side **Screw Flange** is tight to **Mounting Surface**.

### Additional Information

- **Tools Recommended:**
  - Drill/Driver
  - Tape Measure
  - 3/32 Hex Wrench (provided)
  - 1/8 Drill Bit (provided)
  - Screwdriver

- **SCREW PACK**
  - #8-1” (Qty 6)

- **Switch to Interior View**
  - **f1** From the interior, while holding the **Passive Housing** side **Screw Flange** tight to the **Mounting Surface**, extend the screen so it is clear of your drill/driver. Orange installation clips can come off and be properly disposed of.
  - **f2** With ¼” bit provided, predrill through the three holes on the **Passive Housing** side **Screw Flange** into the **Mounting Surface** a maximum depth of ¾”.
  - **f3** With the three remaining #8 - 1” screws, fasten **Passive Housing** to the **Mounting Surface**. (Be careful not to overtighten)

- **g1** With a pencil and tape measure find the center of the opening and make a **Center Mark** on the lower and upper **Screen Tracks**.
  - **g2** Insert the **Hex Wrench** into the **Track Stop**, positioned near the center of the **Screen Track**.
  - **g3** Loosen the set screw just enough to move the **Track Stop**, and reposition it to the **Center Mark** on the **Screen Track**. Tighten the set screw in place.
  - **g4** Repeat step for other **Screen Track**.
**ADJUSTMENTS, DUST PLUGS, PLACE & FASTEN SILL ADAPTER**

**Tools Recommended:**

- **3/32 Hex Wrench (provided)**
- **Screwdriver**
- **PARTS BAG**
- **Slot Covers**
- **SCREW PACK**
- **Corner Pile**

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**a1** Inside the Upper Adjustment Slot, keeping the Phillips Screwdriver in contact with the screw, loosen the screw until it can be moved, approximately 2 turns; do not fully remove the screw. Use the Phillips Screwdriver to slide the upper pin up towards the Screen Track until it stops. Tighten screw down.

**a2** Inside the Lower Adjustment Slot, keeping the Phillips Screwdriver in contact with the screw, loosen the screw until it can be moved, approximately 2 turns; do not fully remove the screw. Use the Phillips Screwdriver to slide the lower pin down towards the Screen Track until it stops. Tighten screw down.

**b1** From the exterior of the screen assembly, extend the Passive Housing Screen Pull to the closed position in the center of opening. The Screen Pull should latch at the top and bottom Screen Tracks.

**b2** Verify Passive Housing Screen Pull is centered. If not centered, you can adjust the location of Passive Housing Screen Pull by repeating step 2g through 4g until the desired position is achieved.

**b3** Once positioned, extend the Active Housing Screen Pull to the closed position, latching it into Passive Housing Screen Pull. If not done previously, the orange installation clips can come off and be properly disposed of.

**c1** Once the track stops and locking pins have been adjusted and set, unlatch and open both screens.

**c2** Insert a Slot Cover into the upper Adjustment Slot until the Lock Legs snap into place and it is firmly seated in place.

**c3** Repeat for the lower Adjustment Slot.

**d1** Peel paper from back of Corner Pile and place at the top of the Passive Housing Screen Pull against the Glide and firmly press into place.

**d2** Repeat step for other end of the Passive Housing Screen Pull.
ADJUSTMENTS, DUST PLUGS, PLACE & FASTEN SILL ADAPTER

Continued

Tools Recommended:

- Sill Adapter
- Drill/Driver
- Sealant
- #2 Phillips Bit (provided)
- 1/8 Drill Bit (provided)

**SILL ADAPTER**

**SCREEN TRACK**

**ADAPTER CHANNEL**

**DOOR SILL**

**Figure 1**

**Figure 2**

**Figure 3**

**Figure 4**

**SCREW PACK**

- #8 - 1/2" (Qty 6)

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e1 Thoroughly clean the Door Sill.
e2 From the interior of screen assembly, position Sill Adapter with the textured side up and screw holes in toward the interior of the home.
e3 Insert edge of the Sill Adapter into the Adapter Channel located on the Screen Track (see Figure 1).
e4 Rotate the Sill Adapter down to the Door Sill (see Figure 2).
e5 Center the Sill Adapter in the door opening.*

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**SILL ADAPTER**

**MAX 1/4" DEPTH**

**DOOR SILL**

**Figure 3**

**Figure 4**

f1 With 1/8" bit provided, predrill through the six holes on the Sill Adapter into the Door Sill a maximum depth of 1/4".
f2 Lift Sill Adapter and apply sealant into predrilled holes until sealant over-flows onto Door Sill surface. (see Figure 3)
f3 Rotate the Sill Adapter back down to the Door Sill and fasten using six #8 - 1/2" Self-Tapping Screws. Cleanup excess sealant. (see Figure 4)

* 66.5" sill adapter is designed to avoid the need for cutting during installation. If a wider sill adapter is preferred, visit parts.andersenstormdoors.com
APPENDIX A - STEPS FOR NARROW OPENING AND SUPPORT BLOCKING FOR SILL (if required)

A

APPENDIX A
Narrow Opening Modification for Openings less than 67 7/8" wide.

Tools Recommended:
- Hacksaw
- Work Gloves
- Metal File
- Tape Measure
- Screen Track (A/C Passive)
- Screen Track (C/A Passive)
- Sill Adapter
- Work Gloves

EXAMPLE (FOR STEP a3 BELOW)

If opening width W1 = 65 3/4", W2 = 65 3/4", and W3 = 65 1/2".
Take narrowest width = 65 1/2" and subtract from 69 1/2 inches.
69 1/2 - 65 1/2 = 4 inches
The Calculated Length of material to cut off is 4 inches in this example.
For sill adapter (step b3), use half the Calculated Length by dividing it by 2.
4 ÷ 2 = 2 inches

a1 To modify screen assembly to work in a Narrow Opening, the Screen Tracks and Sill Adapter need to be cut down.
a2 Measure door opening width at top (W1), middle (W2), and bottom (W3) from the inside of the exterior trim.
a3 Calculate Length of material to be cut off by taking the narrowest width from above and subtracting it from 69.5 inches (see Example above).

b1 Measure and mark from Passive End of the Screen Track the Calculated Length.
b2 With a Hacksaw make a clean square cut through the Screen Track at the Cut Mark. With a metal file, file down all sharp edges. Repeat steps for the other Screen Track at the Passive End. (see Figure 1).
b3 Measure and mark from each end of the Sill Adapter the Halved Calculated Length so equal amounts are removed from both sides (see Figure 2).
b4 With the Hacksaw make a clean square cut through the Sill Adapter on both ends at the Cut Marks. With a metal file, file down all sharp edges. Return to Measure on Page 2.

APPENDIX B - Support Blocking for Door Sill

a1 Choose Support Blocking the width of the Door Sill with enough depth to Extend ¾" Minimum out from the exterior trim Mounting Surface.
a2 Center the Support Blocking under the sill and make sure it is level and parallel to the sill. Confirm it Extends ¾" Minimum from Mounting Surface.
a3 Properly secure Support Blocking below the Sill.
Return to Measure on Page 2.
1. How do I open and close the insect screen?
   Use the Handle to extend insect screen to the center of door frame. It will automatically latch when fully extended. Slide the Release Lever up or down to unlatch, the insect screen will automatically retract (see Figure 1).

2. How do I lock and unlock the insect screen?
   To lock the insect screen door, move the Lock Tab toward the screen assembly. To unlock, move the Lock Tab away from the screen assembly (see Figure 2).

3. What should I do to maintain my retractable insect screen door?
   The screen tracks will need occasional vacuuming to remove dirt and debris. This will help keep the tracks clean and free of debris that may affect operation.

4. Can the fastener clips be opened if I closed them in the wrong position during installation?
   You can open the fastener clip by applying downward pressure with a flat blade screwdriver until it releases open (see Figure 3).

5. Can replacement parts be purchased if something gets damaged on my door?
   Parts can be purchased by visiting parts.andersenstormdoors.com or calling Customer Service at 844-813-6664. It is helpful to have your serial number when ordering parts. The serial number is located near Endcap A on your active screen housing.

6. What should I do with the unit in cold weather?
   It is best for the unit to be stored in the retracted position during cold weather. We do not recommend operating when temperatures are near or below freezing.

7. Why is the sill adapter narrower than the door opening?
   The length of the sill adapter is designed to cover the door pass through space while avoiding the need for cutting during installation. For wider door installations, a longer sill adapter is available for a fee at parts.andersenstormdoors.com or by calling Customer Service at 844-813-6664.

8. Is there a video available that will show me how to install and operate the door?
   You can find a video of how to install and operate the retractable insect screen door at AndersenLuminAire.com/install
LIMITED WARRANTY ON RETRACTABLE SCREEN DOOR COMPONENTS
Emco Enterprises LLC (Emco), an Andersen company, warrants the screen housing, latch housing, screen track, endcap and sill adapter components of the Andersen® LuminAire® retractable screen door to be free from defects in manufacturing, materials, paint adhesion, and workmanship, under normal conditions, for five (5) years from the date of purchase or as long as the original consumer purchaser owns the home in which the door was initially installed, whichever is shorter.

In the event a screen housing, latch housing, screen track, endcap or sill adapter fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period specified above, and upon written proof of purchase, Emco, will at its option refund or provide a replacement screen housing, latch housing, screen track, end cap or sill adapter without charge – installation is not included. Such replacement is warranted for the remainder of the original limited warranty period. Please locate the door serial number and written proof of purchase then contact Emco Consumer Support at 1-844-813-6664.

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• Improper installation (including failure to follow installation instructions), modification, maintenance, or use
• Chemicals or airborne pollutants, such as salt or acid rain
• Acts of God, including wind damage
• Accidents
• Normal wear and tear
• Products not manufactured by Emco

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