SUNPATH™
Tubular Skylight

IMPORTANT:
Please read the entire installation guide prior to commencing any steps.
Take safety precautions when walking on roof and when handling materials, they may be sharp.
Keep light tube inside box until instructed to assemble light tube, do not remove light tube film until instructed.

Parts List

- **A** 100% Impact acrylic dome w/aluminum dome ring w/dust seal
- **B** 100% Impact acrylic prismatic domed scatter disk
- **C** Dust seal weather stripping w/3m self adhesive backing
- **D** 080" Seamless one-piece aluminum flashing
- **E** 98.7% Anodized aluminum light tube (24" length sections)
- **F** Dust seal weather stripping w/3m self adhesive backing (Already applied to inside of industrial trim ring assembly)
- **G** Aluminum trim ring assembly w/polycarbonate diffuser
- **H** #8 x 3/8" stainless steel screw w/EPDM washer (Use #8 x 3/4" stainless steel screw w/EPDM washer for high velocity zones)
- **I** #8 x 1" self tapping zinc plated screws
- **J** #8 x 2" self tapping stainless steel screws
- **K** #8 x 1/2" self tapping zinc plated screws
- **L** Aluminum foil tape
- **M** Flexible seal clear caulking

Recommended Tools

Marker measuring tape

Reciprocating saw caulking gun

Screw gun w/ #2 phillips bit razor knife or tin snips

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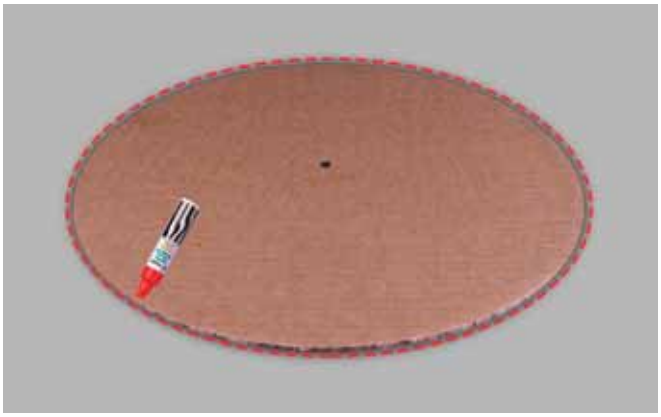
Step 1:

Locate the desired location on the roof for your new tubular skylight. Make sure there are no obstructions inside the building. With flashing roof template (provided), trace outside of template and place a screw in the middle of the traced diameter. Wrap a wire or rope on the screw, this will prevent roof cutout from falling inside. **DO NOT CUT ANY ROOF TRUSSES.**

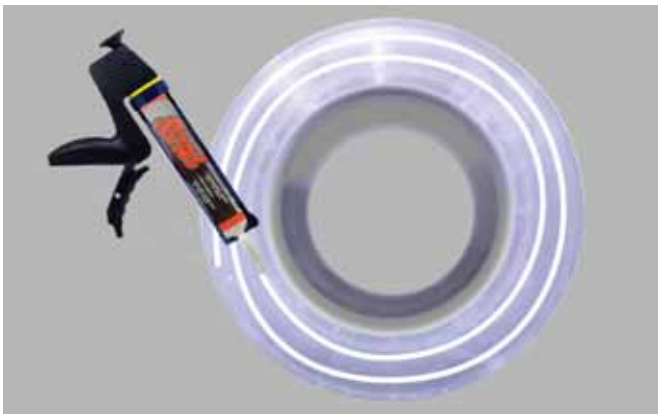


Step 2:

With a reciprocating saw, cut along the traced line. Before completely cutting hole, grab screw wire or rope to prevent cutout from dropping inside the building.

Step 3:

Clean area where aluminum flashing will be installed and apply flexible sealant (M) to underside base of aluminum flashing; two or three concentric rings are recommended.



Step 4:

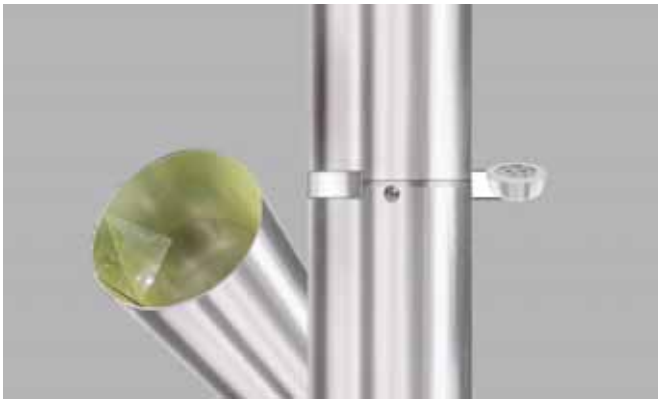
Place and center aluminum flashing on hole and secure to roof deck with #8 X 2" self-drill screws (J) through the pre-drilled holes on flashing base, then apply flexible sealant (M) on screw heads. Apply weather dust seal (C) to the inside flange of flashing toward the top edge.

FOR FLAT ROOFS WITH BUILT-UP OR FOAM ROOFING SYSTEMS, IT IS RECOMMNEDED TO USE ELASTOMERIC SEALANT AND FABRIC TO SEAL BETWEEN ROOF DECK AND FLASHING. FOR TPO ROOFS, A SLEEVE WILL BE NEEDED TO PROPERLY SEAL FLASHING TO ROOF DECK.

Step 5:

Assemble light tube by peeling back 2" of protective film from light tube edge where it will be overlapped at seam, then insert crimped end of light tube into the non-crimped end of the other light tube. Remove liner from double-sided tape, connect light tube at the seam, and apply pressure on both sides of light tube (use gloves to prevent getting cut). Place #8 x ½" self-drill screw (K) where the light tube overlaps, and place aluminum foil tape (L) over the seam and screw.

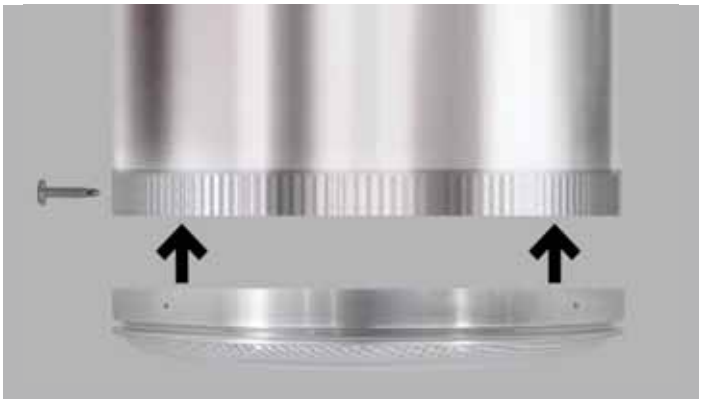
If connecting extra light tubes together, repeat steps above.

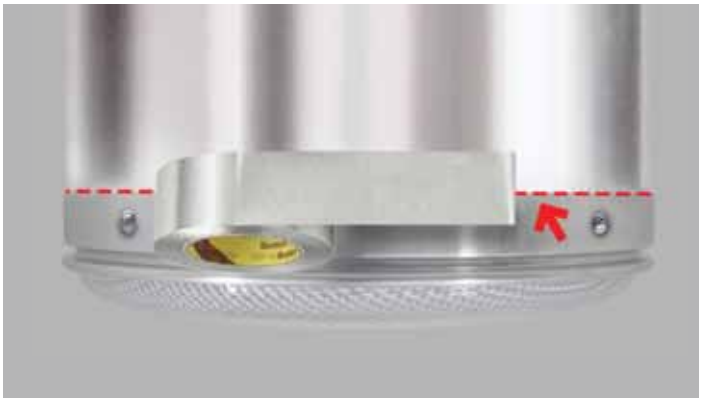


Step 6:

Insert industrial trim ring assembly into the crimped end of light tube, secure using #8 x 1" self-drill screws (I) in the pre-drilled holes.

Seal joint between industrial trim ring assembly and light tube with aluminum foil tape.





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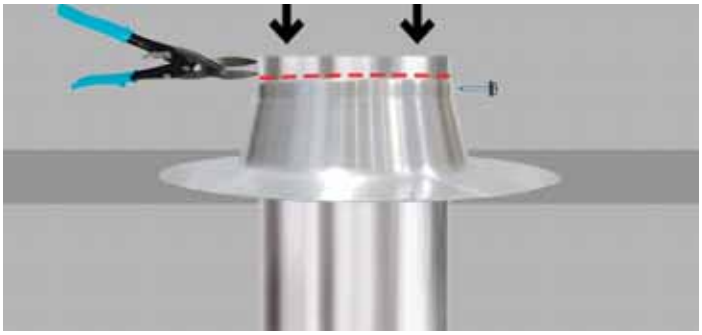
Step 7:

Insert light tube into industrial trim ring assembly facing down through the flashing and secure light tube to flashing by placing (4) #8 x 1" self-drill screws from the outside of the aluminum flashing top flange and onto the light tube. If aligning is needed, place (2) #8 x 1" self-drill screws (I) on aluminum flashing top flange on opposite ends and angle as needed. Place another (2) #8 x 1" self-drill screws (I) to completely secure light tube to flashing. To prevent light tube from falling through aluminum flashing, have someone else hold light tube while aligning and securing it to the aluminum flashing.

NOTE: If installing tubular skylight with industrial ceiling flange, secure light tube to aluminum flashing. From inside the building, insert and secure industrial ceiling flange to light tube or ceiling by using (4) #8 x ½" self-drill screws (K) and seal joints with aluminum foil tape (L) (reference STEP 6).



Step 8:

If there is excess light tube exposed through aluminum flashing flange, trace the outside of light tube by using a utility knife on the top flange of the aluminum flashing, then grab one side of the light tube and pull toward you to start removing excess light tube. Once complete, you may remove all protective film from inside the light tube.

NOTE: For cold weather climates, it is recommended to seal the gap between light tube and flashing with aluminum foil tape (L), this will help prevent air coming up into the dome.

Step 9:

Insert light scatter disk into dome assembly, place over aluminum flashing flange, and secure using #8 x ⅜" (H) sheet metal screws with EPDM washer in the pre-drilled holes on the dome assembly (use #8 x ¾" for High Velocity Zones).

Preventing Condensation Issues:

DO NOT apply any silicone or sealant between the dome ring assembly and aluminum flashing, doing so creates the risk of any condensation buildup dripping inside of tubular skylight or building.

Additionally, ensure membrane flashing does not interfere with the dome ring. Leaving at least 1" of space between the dome ring and membrane flashing will allow any condensation to escape from the inside of the dome.

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