



HUVCO – Daylighting Solutions®
 P. O. Box 3, Rohrersville, MD 21779
 800-832-6116 – www.huvco.com

**WE THANK YOU FOR CHOOSING A
 HUVCO High Performance Tubular Skylight**

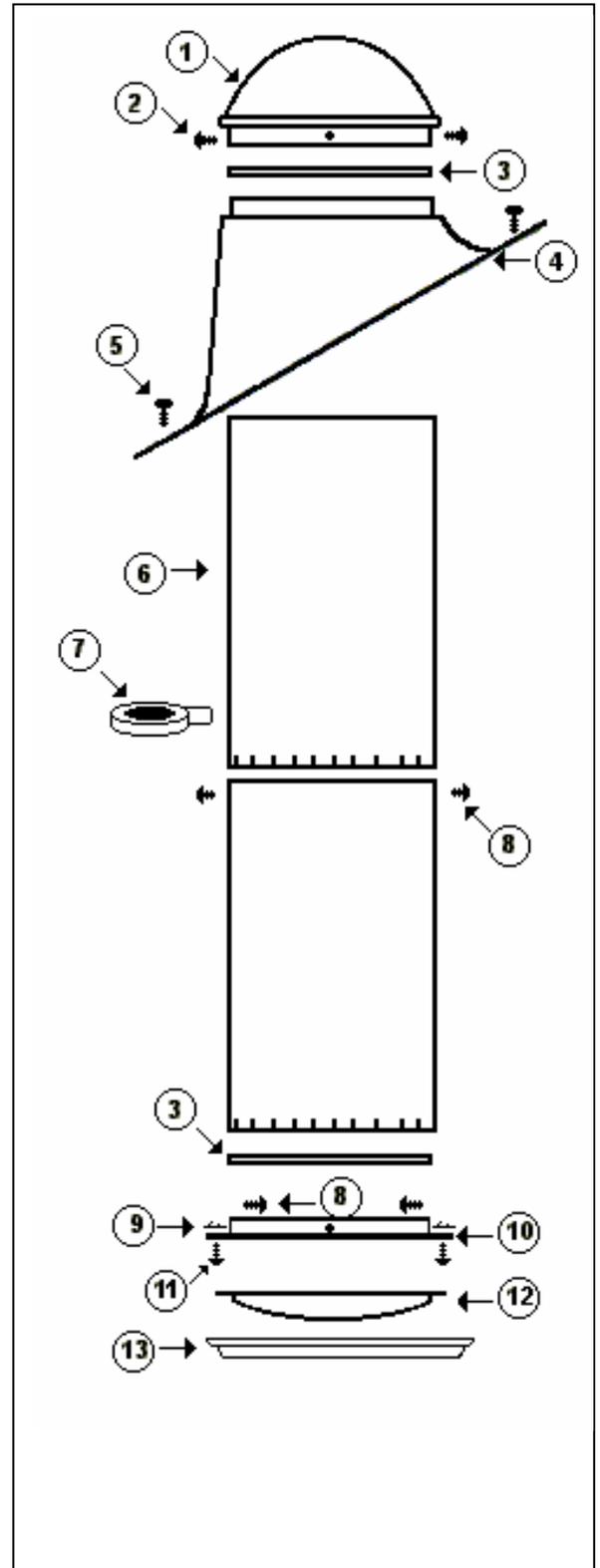
**Tubular Skylight Installation Guide for flat or
 pitched roofs with shingle or tile coverings**

**TO ENSURE PROPER
 INSTALLATION, PLEASE FOLLOW
 INSTRUCTIONS STEP BY STEP**

Tools needed:

- Claw Hammer
- Pry Bar
- Plumb Tool
- Jig Saw
- Drill & Bits
- Screwdrivers
- Caulking Gun
- Dry Wall Saw
- Tin Snips

<u>Item</u>	<u>Part Description</u>
1	Dome Assembly
2	No. 8 x 3/8" Stainless Steel Screws
3	Dust Seals
4	Flashing (Seamless Aluminum)
5	No. 8 x 2" Stainless Steel Screws
6	Light Tubes (2-24" Lengths)
7	Foil Tape
8	No. 8 x 1/2" Self-drill Sheet Metal Screws
9	Flat Metal Nuts
10	Aluminum Trim Ring
11	No. 8 x 1 1/2" Sheet Metal Screws
12	Light Diffuser
13	Ceiling Deco-Ring



CAUTION: Roof work can be dangerous. HUVCO assumes no responsibility or obligation for failure of a designer, architect, installer or building owner to comply with all applicable building codes, ordinances and safety requirements. Read the instructions prior to starting.

STEP 1: Locate desired placement for your new HUVCO Tubular Skylight. Stick a wire (or coat hanger) through the ceiling. Inside the attic, locate wire. Displace insulation and drill a hole centered between two frame members. Drop a plumb line or a similar object to mark and drill a hole through roof.

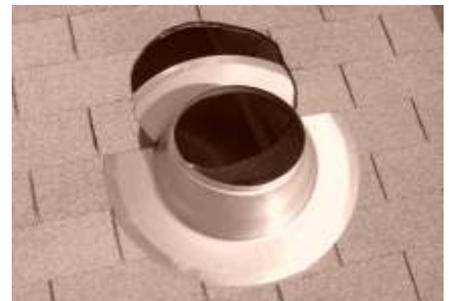


STEP 2: On top of roof, locate pre-drilled hole. Using supplied roof template, mark circumference of hole for Flashing (**Item #4**). Cut hole with reciprocating saw.



***SEE PAGE 4 FOR INSTRUCTIONS ON FLAT OR TILE ROOF INSTALLATIONS.**

STEP 3: After cutting roof hole, cut two slits about 4" long each through roof material. Pull out nails or staples from center of hole enough to be able to slide up Flashing (**Item #4**) under Tar Paper. Apply bead of supplied Roof Caulking under Flashing. Slide Flashing under roof material and secure with No. 8 x 2" Stainless Steel Screws (**Item #5**). Apply Dust Seal (**Item #3**) to inside top part of Flashing.



STEP 4: Back inside house, use supplied ceiling template to mark circumference of hole for Trim Ring (**Item #10**). Cut hole using a Drywall Saw. Fasten Trim Ring to ceiling with supplied Metal Flat Nuts (**Item #9**) and No.8 x 1 1/2" Sheet Metal Screws (**Item #11**). DO NOT OVER TIGHTEN. Apply Dust Seal (**Item # 3**) inside flange of Trim Ring. Dust Seal will help keep dust and bugs out of skylight.



STEP 5: Determine length of Light Tube needed (**Item #6**). Place each Light Tube together and pull protective film off of Light Tube about 2 inches away from edge where adhesive will make contact. Remove adhesive backing and overlap at off-set. Press together and fasten with a No.8 x 1/2" Self-Drill Sheet Metal Screw (**Item #8**) at center of each Light Tube. Pull protective film down about 2 inches and insert one Light Tube on top of other (as many as needed). Secure with 3 or more No.8 by 1/2" Self-Drill Sheet Metal Screws (**Item #8**). Use Aluminum Foil Tape (**Item #7**) along and around Light Tube joints to seal completely.



STEP 6: Once Light Tubes are assembled, these can be installed from roof. Crimped side should go in first for easier install. Elbows can be used for obstructed attics.



STEP 7: Bring Light Tube down flush to the Trim Ring. Do not go lower; it can be 1/4" higher from Trim Ring. Fasten Light Tube to Trim Ring with 3 or more No.8 x 1/2" Self-Drill Sheet Metal Screws (**Item #8**). **DO NOT OVER TIGHTEN.** Keep Light Tube as round as possible against Dust Seal.



STEP 8: On roof, trim Light Tube (if necessary). Flush with top of Flashing using Tin Snips. Or score outside of Light Tube with a utility knife at top level of Flashing and push against it to cut.



STEP 9: Remove protective film from Light Tube and install Dome Assembly (**Item # 1**). Secure to Flashing with No.8 x 3/8" Stainless Steel Screws (**Item # 2**). **IMPORTANT: Do not apply ANY silicone around Dome Assembly for it can create and keep condensation inside skylight.** Finish roof installation by sealing around Flashing and gluing any loose shingles with supplied Roof Caulking.



STEP 10: Finally, remove any protective film from inside Light Tube and install Ceiling Deco-Ring (**Item # 13**) with Light Diffuser (**Item # 12**). Install by aligning stand offs with keyholes and twist right (clock wise) until ring stops. **If Ceiling-Deco Ring ever needs to be removed for cleaning, twist left (counter clock wise), remove, clean and install back to original position.**



****REMINDER: FOR BEST RESULTS, DO NOT FORGET TO REMOVE PROTECTIVE FILM FROM INSIDE LIGHT TUBES. MAKE SURE TO SEAL AND CAULK LOOSE SHINGLES ALL AROUND FLASHING WITH SUPPLIED HIGH QUALITY ROOF CAULKING.**

Do NOT leave the protective film exposed to the sun or it may become difficult to remove. Also avoid placing the tube on or near combustible material once the protective film is removed due to the chance of fire if exposed to sunlight.

INSTRUCTIONS FOR FLAT ROOF INSTALLATIONS

STEP 1: Locate desired placement for your new Elite Tubular Skylight. If building does not have an attic and if ceiling joists can not be seen, use a stud finder or tap lightly to find approximate center point between two joists. Drill hole through ceiling and roof walls using a long drill.



STEP 2: On roof, locate pre-drilled hole. Use supplied roof template to mark circumference of hole for Flashing. Cut hole (**DO NOT CUT ANY FRAME MEMBERS**). Apply two ½” thick beads of High Quality Roof Caulking (supplied) on under side of Flashing. Secure to roof using No.8 x 2” or longer Stainless Steel Screws (**Item # 5**).



STEP 3: Apply a 4” wide reinforcement fabric around perimeter of Flashing and High Quality Roofing Mastic (not supplied) to double seal any potential water leakage. To complete installation, follow **STEPS 4 through 10**, same as for shingle roofs

INSTRUCTIONS FOR TILE ROOF INSTALLATIONS

STEP 1: Follow **STEP 1** as for shingle roofs.

STEP 2: On top of roof, remove several tiles around pre-drilled hole. Use roof template to mark circumference of hole for Flashing and cut hole. Cut two 4” slits at center or lower sides of hole to slide Flashing under Black Tar Paper or apply two ½” beads of High Quality Roof Caulking (supplied) on under side of Flashing. Place Flashing centered with hole and secure to roof using No.8 x 2” Stainless Steel Screws (**Item # 5**).



STEP 3: Replace tiles at lower side of Flashing. Place Aluminum Skirt with EPDM Rubber (supplied for tile roofs) over Flashing as shown. Adjust Aluminum Skirt to fit profile of tiles. Cut rest of tiles to fit around Flashing as needed and apply Roof Caulking wherever may be needed.



STEP 4: Apply Roof Caulking at any gaps created between aluminum and EPDM Rubber while contouring Aluminum Skirt to tiles. Paint to match color of roof. To complete installation, follow **STEPS 4 through 10**, same as for shingle roofs.



THANK YOU FOR CHOOSING HUVCO!

We would love to see how your job turned out.

If you send us some before and after photos, we will send you a FREE t-shirt! (limited time offer)