



# WARNING



Do not proceed with the installation until you have read the entire instructions, including these warnings.

Solatube (seller) assumes no responsibility or obligation whatsoever for the failure of an architect, contractor, installer, or building owner to comply with all applicable laws, ordinances, building codes, energy codes, fire and safety codes and requirements, roof warranties and adequate safety precautions. Installation of this product should be attempted only by individuals skilled in the use of the tools and equipment necessary for installation. Protect yourself and all persons and property during installation. If you have any doubt concerning your competence or expertise, consult a qualified expert before proceeding.

### **Install at your own risk!**

Solatube product installations may be dangerous and include the potential for death, personal injury and property damage. The hazardous conditions include but are not limited to the following:

- During installation, the Solatube's reflective tubes may focus sunlight, causing intense heat or fire. Remove protective film only after the parts have been installed. Prior to and during installation, do not leave tubes in contact with combustible materials or unattended, especially near direct sunlight. Avoid skin burns.
- Sheet metal edges may be sharp. Use protective gloves to avoid lacerations.
- Skylight installations require climbing and working at dangerous heights, including on ladders, scaffolding, roofs and in attic spaces. Risk of death, personal injury and property damage may result from a fall, or from falling objects. Use extreme caution to minimize risk of accidental injury, including, but not limited to the following procedures:

Clear area below your work space of all people, animals and other items.

Avoid working on surfaces that are slippery or wet.

Use foot-wear with excellent traction.

Use only strong, well supported ladders.

Work only in calm dry weather.

When in the attic, ensure that your weight is supported at all times with structurally sound framing; dry wall material is not designed to carry a person's weight.

- To reduce the risk of fire, electric shock, and personal injury; basic safety precautions should always be followed when using electric tools, including always wearing safety goggles or other suitable eye protection, and ensuring work area is clear of all electrical wires, gas pipes, water pipes, and other obstacles.
- When working in the attic or other dusty areas, use of a mask or respirator is recommended to avoid lung irritation. Attic spaces may be dark, confined, and subject to extreme temperatures. Beware of sharp protruding objects. Do not attempt installation without having someone within range of your voice or close enough to come to your aid if necessary.
- The tubular skylight is not designed to withstand the weight of a person, tools or other objects. Walking or placing objects on the skylight could cause personal injury and property damage. If the dome of the skylight is broken or cracked, or if the skylight is otherwise damaged, the structural capacity may be weakened, and the skylight should be repaired immediately. For safe installation and use, do not deviate from these installation instructions.

## Warranty Information

For all Solatube products purchased or delivered hereunder, Solatube International, Inc. warrants they are free from defects of workmanship and/or material for a period of time from the date of purchase as noted hereafter:

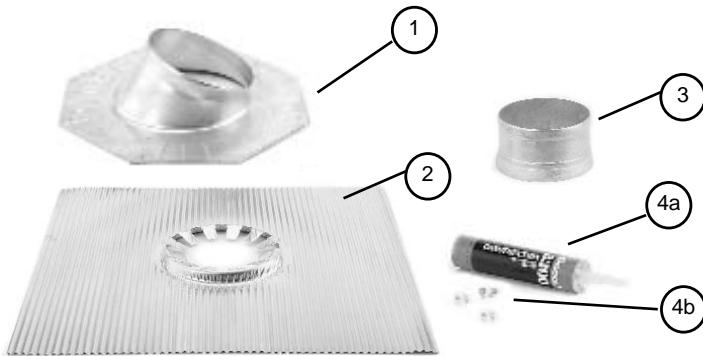
- 5 years on electrical and motor
- 10 years on all other components, including metal housing, roof flashing bases, plastic, rubber or metal seals, gaskets and fasteners.

Should any products be determined by Solatube to be defective, at the option of Solatube, such products will be replaced or repaired and returned to Buyer free from defect. Buyer will give notice of any such defect to Solatube within thirty (30) days of discovery of such defects. Buyer will provide proof of purchase over life of warranty on all warranty claims as required. Except as expressly set forth herein, the products are provided "as is", without any warranty, express or implied, including but not limited to all warranties of merchantability and fitness for a particular purpose; and any such warranties are hereby expressly disclaimed.

In no event will Solatube be liable for loss of profits, indirect, special incidental, consequential or other similar damages, including but not limited to any claim or demand arising out of the installation, existence, furnishing or functioning of any of the products or use by any breach of warranty for improper installation of these products. To the fullest extent allowed by law, Solatube's liability to all Buyers for all claims with respect to the products will be limited to the lesser of (a) the cost of replacing the products; (b) the cost of obtaining equivalent products; or (c) the cost of having products repaired.

# Solatube® Universal Tile Kit Installation Instructions

Please read all warnings and instructions before beginning installation.



## ADDENDUM TO PARTS LIST

Universal Tile Kit includes:	Quantity
1. Base Flashing	(1)
2. Corrugated Counter Flashing	(1)
3. 4" (100mm) Turret Extension	(1)
4. Seal and Fastener Kit	
a. Sealant	(1)
b. Screws	(7)

**Additional Required Tools / Materials:** Masonry saw, Power Drill, Spray Paint

### OVERVIEW

These instructions are for installing 10" (250mm) and 14" (350mm) Universal Tile Kits with 10" and 14" skylights. Read and complete Solatube Brighten Up Series standard installation instructions steps 1 through 4 to prepare for Universal Tile Kit.

**Step 1.** Take base flashing, corrugated counter flashing, top tube assembly, dome, flashing screws, dome screws, dome spacers, roof sealant and 4" (100mm) turret extension onto roof.

**Step 2.** Using the base flashing as a template, mark inside circumference of turret with a lumber crayon onto tiles, also place identification mark on tiles under flashing skirt (Diagram A). With masonry blade, cut tiles 1" (25mm) outside marked circle. Remove tile center cut outs and enough lower tiles to insert primary flashing on felt underlayment. Place base flashing atop underlayment centered on tile cut out.

**Step 3.** Mark inside circumference of flashing turret and outside of flashing flange to the felt underlayment. Remove flashing and all previous marked tiles. Using a saber or reciprocating saw cut through roof 1/2" (12.5mm) wider than marked circle (Diagram B).

**Note:** If felt underlayment intersects flashing hole, slip upper half of flashing flange under felt so the lower half of flange sits on top of felt. If there is no overlap place entire flange on top of felt. If necessary, clean felt surface using a coarse brush and a mild solvent, such as alcohol. Do not damage surface.

**Step 3.** Apply 3/8" (9mm) bead of roof sealant around the underside of base flashing flange along the line of screw holes. Place flashing over roof hole aligning with flashing flange marks, fasten flashing to roof using 2" (50mm) flashing screws. Tighten screws until sealant is a minimum 1/8" (3mm) and a maximum of 1/4" (6mm) thick between flange and felt. Cover flashing screw heads with sealant (Diagram C).

**Step 4.** Replace / install lower tiles up to base flashing turret.

**Step 5.** Set corrugated counter flashing (tabs up) over base flashing turret. Form back of flashing to match roof pitch until notches in tabs are even with top of roof flashing turret (approximately 1" (25mm) down). Bend tabs at notches over top roof flashing turret (Diagram D). Turn the turret extension over and run a 3/8" (9mm) bead around inside wall of overlapping lip. Push turret extension down over both flashings and secure with four 1/4" (6mm) screws (Diagram E). Clean off excess sealant outside turret at assembly joint.

**Step 6.** Form front of corrugated counter flashing to fit tightly into profile of lower tiles. Form sides and back of flashing to divert water and prevent animals from running over edges and under tiles. Fasten back of corrugated counter flashing to roof using two 3/4" (19mm) screws (Diagram E).

**Step 7.** Mark front of corrugated counter flashing, trimming to match tile lengths. Trim as necessary on sides and back of corrugated counter flashing. Re-form flashing to fit tiles as needed. Top of tiles above mark must be clean for sealant (use wire brush and solvent if necessary).

**Step 8.** Lift up front of counter flashing to run a 3/8" (9mm) bead of sealant on lower tiles 1/2" (12.5mm) above mark. Lower flashing.

**Step 9.** Fasten and seal remaining tiles over the counter flashing (Diagram F).

Return to step 9 of Solatube Brighten Up Series standard installation instructions to complete installation.

