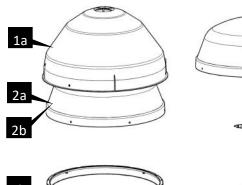


Solatube[®] SolaMaster[®] Series

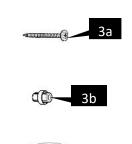
Solatube[®] 330 DS Daylighting System *** Solatube[®] 750 DS Daylighting System *** Installation Instructions

Open Ceiling

For Closed Ceiling, see back of this page.



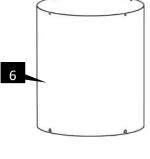


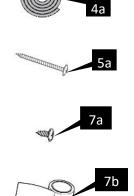


1b

3c











*++ Some of these products are



and meet criteria for

UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings. See warning section for approved configurations.

For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

Parts List *		Quantity
	Outer Dome Options	
1	a. 750 DS Dome with Raybender® 3000 Technology	(1)
	b. 330 DS Dome with LightTracker™ Reflector	(1)
	Inner Dome Option	(1)
2	a. Inner Dome for 750 DS (Optional)	(1)
	b. Inner Dome for 750 DS (Optional, Polycarbonate*†)	(1)
	Dome Fasteners	
3	a. Dome Screw #8 X 1 5/8 in (40 mm)	(4)
5	b. Dome Spacer	(3)
	c. Dome Seal	(1)
	Tube Ring	(1)
4	a. Tube Ring Seal (Required for all Open Ceiling Units)	(1)
5	Roof Flashing (4 in (100 mm)*†, 8 in (200 mm)*†, 11 in (280 mm)*† or Curb Cap))	(1)
	a. Flashing Screws - #10 X 2 in (50 mm)	(21)
	Spectralight [®] Infinity Tubes	
6	a. 24 in (610 mm) Extension Tube with Tube Fastener Kit	(1)
	b. 48 in (1220 mm) Extension Tube with Tube Fastener Kit	(1)
	Tube Fastener Kit	(1)
7	a. Tube Screws - #8 X 9/16 in (14 mm)	(5)
	b. 2 in (50 mm) Foil Tape - 18 ft (5.5 m)	(1)
0	Diffuser for Open Ceiling	(1)
8	a. Diffuser Seal	(1)

Required Tools:

Saber or Reciprocating Saw	Utility Knife
Flat Bar	Caulking Gun
Tape Measure	Lumber Crayon
Screw Gun with Phillips Head	Metal Shears
Magnetic Compass	Required Safety Equipment
Hammer	Drill Bit #40 (3/32 in/2.5 mm)

*Components shown not included in all kits, see label on box.

*†Required for High Velocity Hurricane Zone (HVHZ) areas.

© 2017Solatube International, Inc.

Closed Ceiling

1b

3a

3c

4a

5a

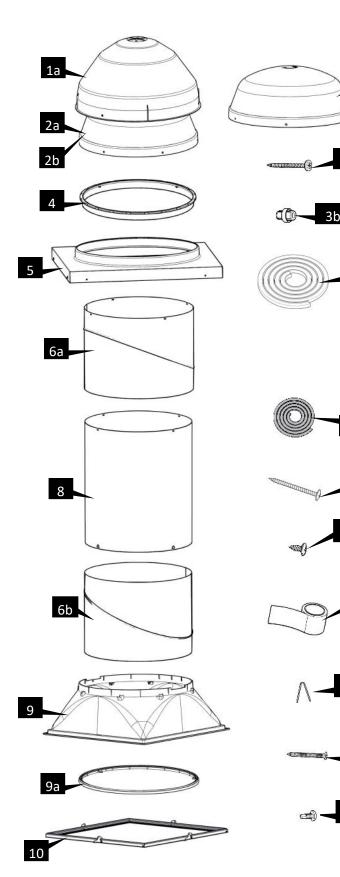
7a

9b

9c

9d

7b



Part	s List *	Quantity		
	Outer Dome Options			
1	a. 750 DS Dome with Raybender® 3000 Technology	(1)		
	b. 330 DS Dome with LightTracker™ Reflector	(1)		
	Inner Dome Option	(1)		
2	a. Inner Dome for 750 DS	(1)		
	b. Inner Dome For 750 DS (Optional, Polycarbonate*†)	(1)		
	Dome Fasteners			
З	a. Dome Screw #8 X 1 5/8 in (40 mm)	(4)		
2	b. Dome Spacer	(3)		
	c. Dome Seal	(1)		
4	Tube Ring	(1)		
4	a. Tube Ring Seal *†	(1)		
5	Roof Flashing (4 in (100 mm)*†, 8 in (200 mm)*†, 11 in (280 mm)*† or Curb Cap))	(1)		
	a. Flashing Screws - #10 X 2 in (50 mm)	(21)		
	Spectralight [®] Infinity Tubes			
6	a. Top Tube with Angle Adapter	(1)		
	b. Bottom Tube with Angle Adapter	(1)		
	Tube Fastener Kit	(1)		
7	a. Tube Screws - #8 X 9/16 in (14 mm)	(10)		
	b. 2 in (50 mm) Foil Tape - 18 ft (5.5 m)	(2)		
	Spectralight [®] Infinity Tubes			
8	a. 24 in (610 mm) Extension Tube (optional) with Tube Fastener Kit	(1)		
	b. 48 in (1220 mm) Extension Tube (optional) with Tube Fastener Kit	(1)		
	Transition Box (Plastic/Polymeric) or (Metal with Softlight Technology)	(1)		
9	a. Natural Effect Lens (Optional)	(1)		
	b. Transition Box Hold Down Clip	(4)		
	c. Drill Tip Screw - #6 X 1 5/8 in (40 mm) (For Hard Ceiling Application Only)	(4)		
	d. Drill Tip Screw - #8 X 5/8 in (16 mm)	(2)		
10	Diffuser	(1)		
*Com	*Components shown not included in all kits, see label on box.			

*†Required for High Velocity Hurricane Zone (HVHZ) areas.

*++ Some of these products are FM

and meet criteria for UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings. See warning section for approved configurations.

2

For the most current Installation Instructions, please visit www.solatube.com/instructions

Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

WARNING

Do not proceed with the installation until you have read the entire instructions, including these warnings. (Use of materials or methods not authorized by Solatube International will result in an invalid warranty.)

Solatube International, Inc. (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, electrical 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 Daylighting System'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.
- Do not leave debris from installation process unattended. Scrap from tubing and foil tape are highly reflective and if left unattended can focus sunlight and can cause intense heat or fire. Clean up all unused material and trash and store or discard in proper covered locations.
- Solatube Daylighting System and Solar Star products may have sharp edges. Always wear leather or canvas gloves while handling and installing products.
- Solatube product 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; drywall 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.
- Solatube products are not designed to withstand the weight of a person, tools or other objects. Walking or placing objects on the system could cause personal injury and property damage. If the product is damaged, the structural capacity may be weakened; therefore the system should be repaired immediately. For safe installation and use, do not deviate from these installation instructions.
- Additional support is recommended for long vertical and all horizontal tube runs. Review local building requirements and consult with appropriate building code official for proper material and placement of additional support. Avoid galvanic reaction (corrosion) if dissimilar metals are used.

Electrical Components

Before installing, servicing, or cleaning unit, switch power off at service panel and lock service panel to prevent power from becoming switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device such as a tag to the service panel.

Re-Roofing

Solatube products require special care if removed for re-roofing. In order to ensure proper removal and re-installation, please contact your Solatube International representative.

Please refer to the installation tips for the appropriate product below:



Daylighting Systems Installation Tips

These instructions are a step-by-step guide for the installation of a Solatube Daylighting System in the following conditions. For other roof types, please contact your Solatube International representative for additional information.

Built Up Flat Roof - Single Ply/Membrane - Asphalt Shingle - Low/No Pitched - Pitched -Prefabricated Curbs - Metal Roof Panels

Daylighting Systems Installation Tips (Continued)

- Allow at least 2-3 hours for the installation, particularly if this is your first installation.
- During the day, turn off all the lights in the room to see how much natural light comes in through the windows, and determine the best position for the Solatube Daylighting System. To light a specific area, place the system over the area, not in the center of the room. This will prevent the desired area from being shaded by tall objects in the room.
- Measure the distance between the roof and the ceiling. If you don't have enough tubing, contact your Solatube International representative for additional tubing.
- Avoid roof locations shaded by trees, ridges and chimneys, or near water channels or valleys. Also avoid roof areas with obstructions such as fire sprinklers, HVAC equipment, gas, water or drain pipes, air ducts or flues and make sure that the roof is adequate to endure an installation without damaging its waterproofing properties or weakening the building structure.
- All adhesives, seals and tapes are recommended to be applied to a clean and dry surface at a minimum of 70°F (21°C) for maximum performance.
- Foil tape contains a pressure sensitive adhesive and pressure must be applied at all seams for proper bonding. Foil tape is not intended for use as structural support of the extension tubes. For structural integrity use manufacturer supplied fasteners on all overlapping extension tube joints.
- Uninstalled product that is stored and exposed to excessive heat and or humidity can experience damage. Store product prior to installation in a cool dry place.
- For installations where high levels of suit or debris may be present it may be necessary to use foil tape to seal the diffuser to the tubing to prevent the excess debris from entering the tubing.
- FM (Factory Mutual): The 750 DS Dual Dome with Polycarbonate Inner Dome and the 330 DS with Polycarbonate Dome, when used with the Dome Edge Protection Band, meet requirements for FM Approvals.

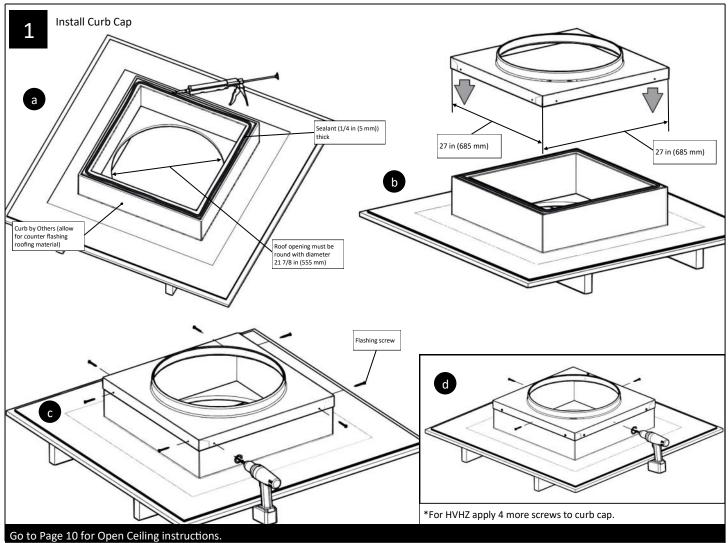


UFC-4-010-01: All SolaMaster assemblies meet requirements for United Facilities Criteria (UFC) DoD minimum antiterrorism standard for buildings.

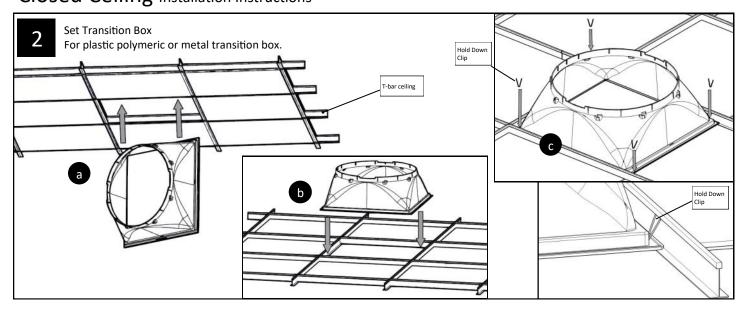


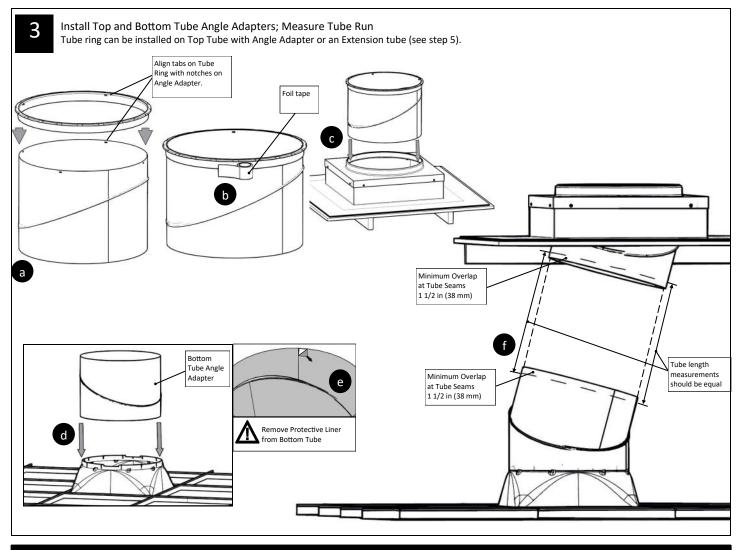
- Install Solatube Daylight Dimmer only on a properly aligned Solatube Daylighting System.
- Use only UL recognized components approved for this listing.

Curb Cap Installation Instructions



Closed Ceiling Installation Instructions





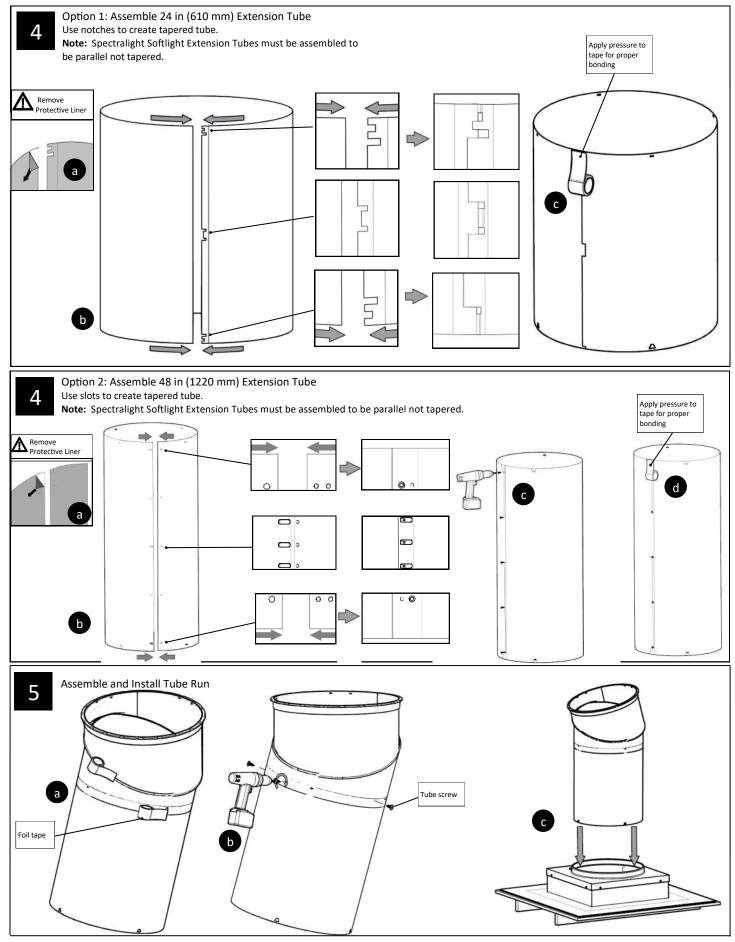
Note: For use with Metal Transition Box

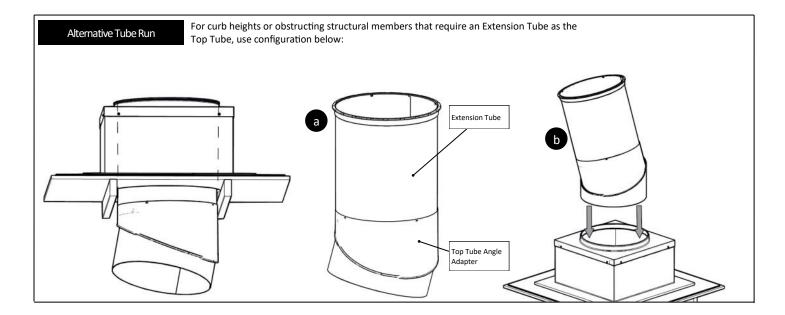
Install Spectralight Softlight Tubing at bottom of tube run for best results. Use no more than one (1) Softlight Extension Tube for each assembly. Tube Ring Softlight Tube as Last Extension Tube

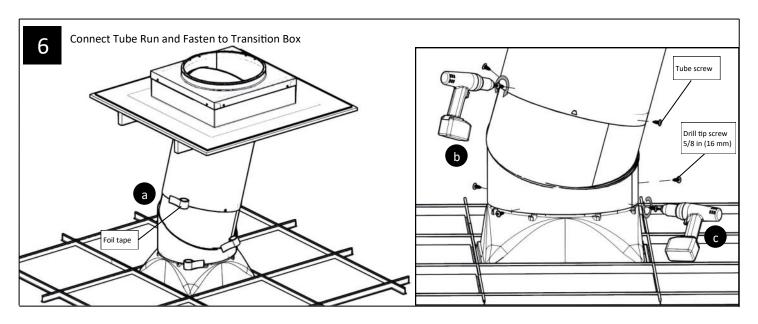
6

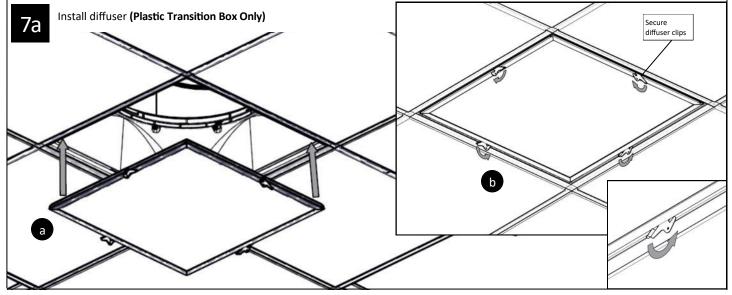
For the most current Installation Instructions, please visit www.solatube.com/instructions

Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

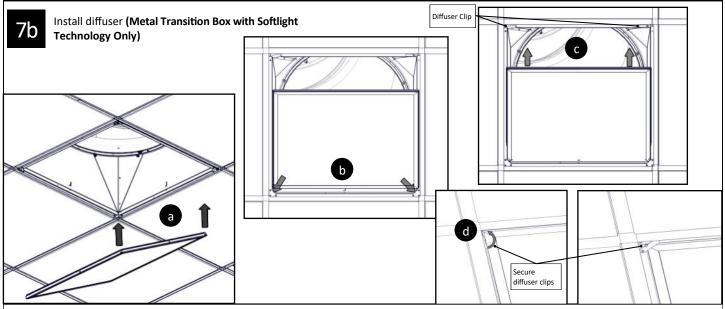




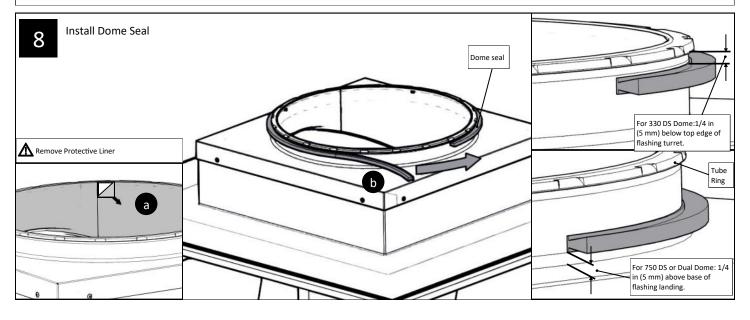




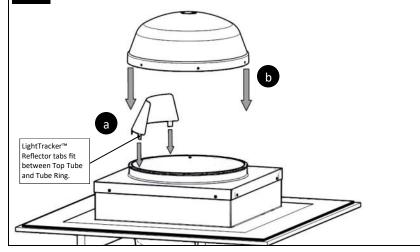
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

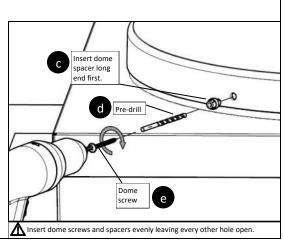


Note: Do not press diffuser into metal transition box too far. Ensure that diffuser is flush with transition box frame.

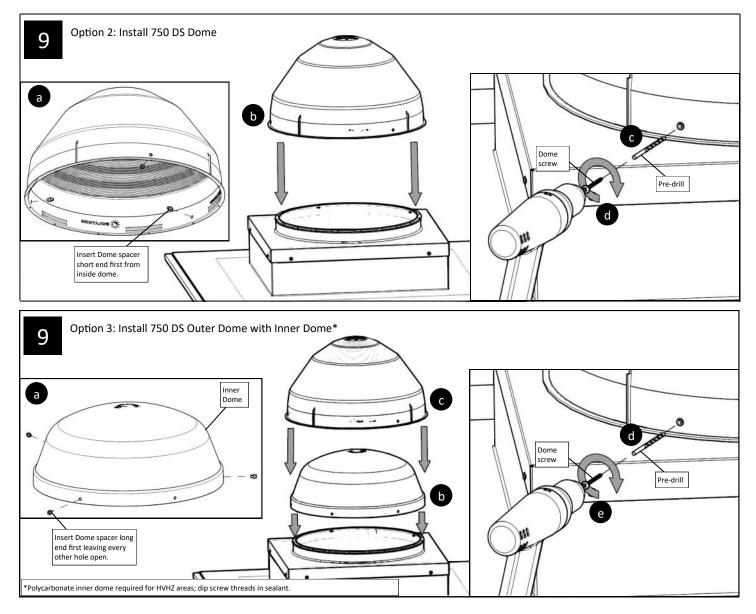


Option 1: Install 330 DS dome Reflective side of LightTracker™ Reflector faces South in Northern Hemisphere (North in Southern Hemisphere).

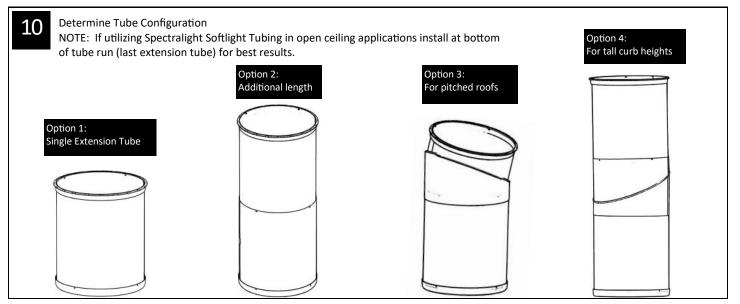




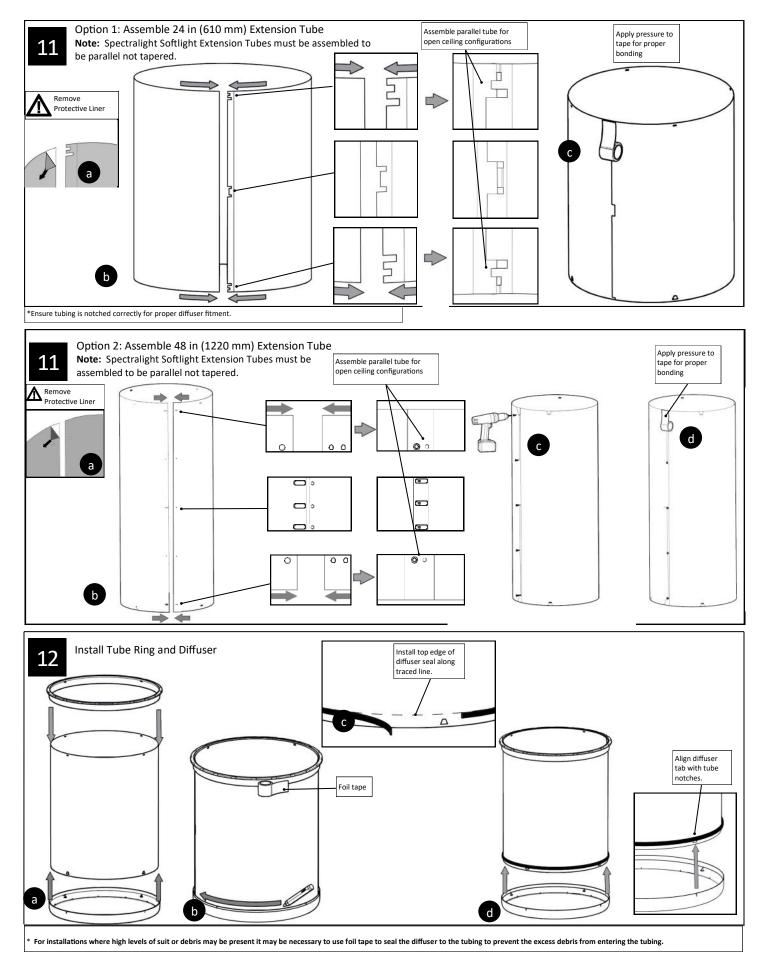
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

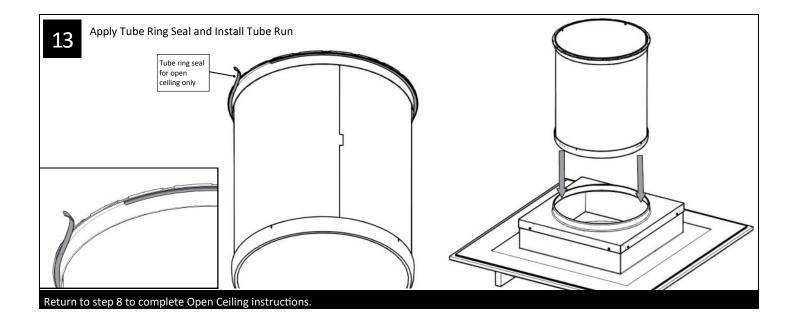


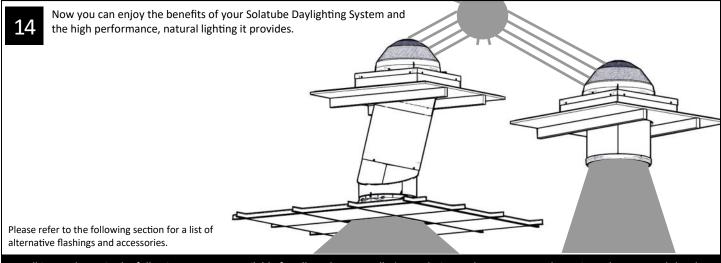
Open Ceiling Installation Instructions



10







Not all items shown in the following pages are available for all markets. Installation techniques shown may vary by region; please consult local building codes and Solatube International Representatives for guidelines.

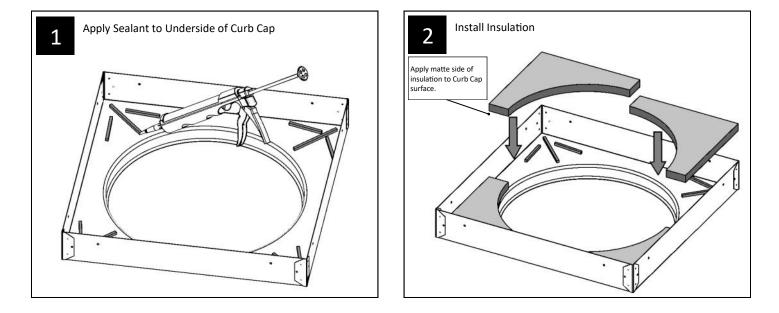
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

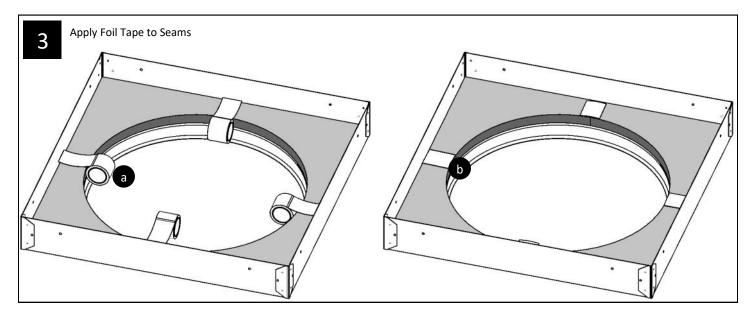
Curb Cap Flashing Insulation

Installation Instructions Appendix

Parts List		Quantity
1	330 DS / 750 DS Curb Insulation	(4)

Additional Materials and Tools Quanti		Quantity
1	Roof Sealant	(1)
2	Foil Tape	(1)

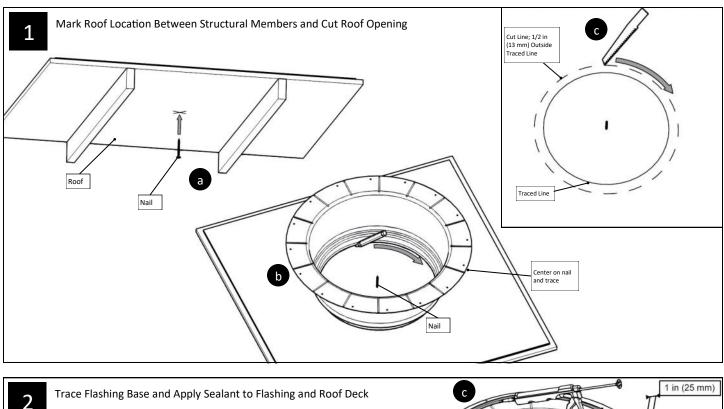


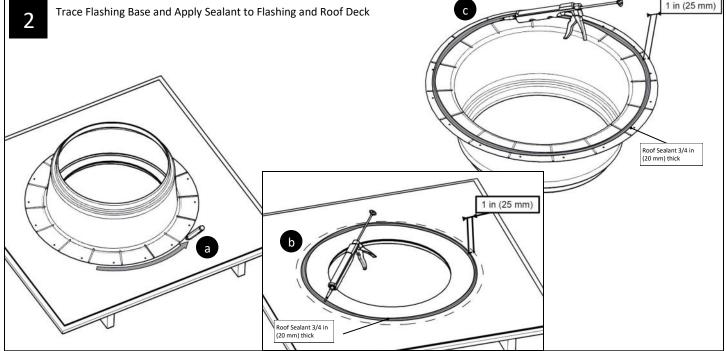


Self-Flashing Installation Instructions Appendix

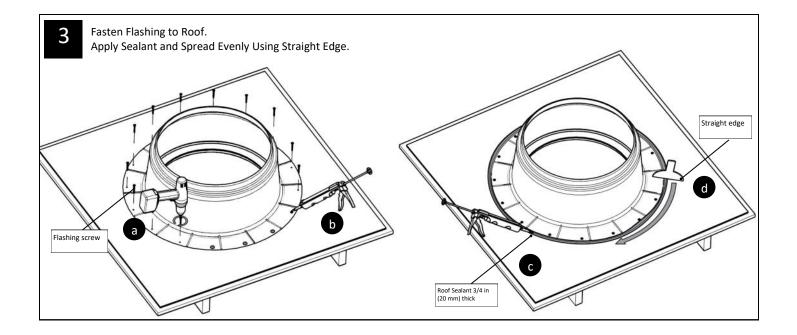
Parts List		Quantity
1	Self-Flashing (4 in (100 mm), 8 in (200 mm), 11 in (280 mm))	(1)
2	Flashing Screws - #10 X 2 in (50 mm)	(21)

Additional Materials and Tools Quantity		Quantity
1	Roof Sealant	(3)
2	Straight Edge	(1)





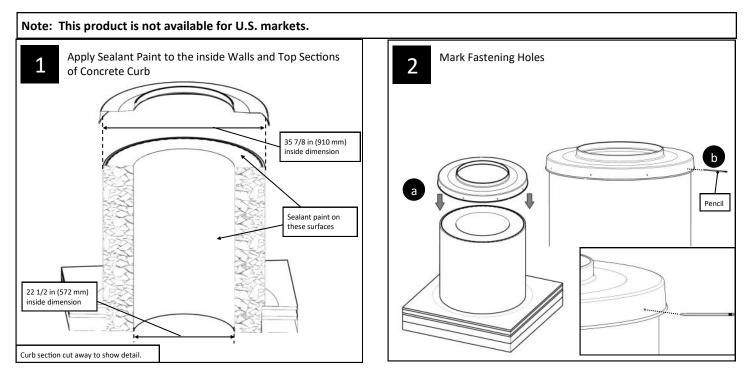
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

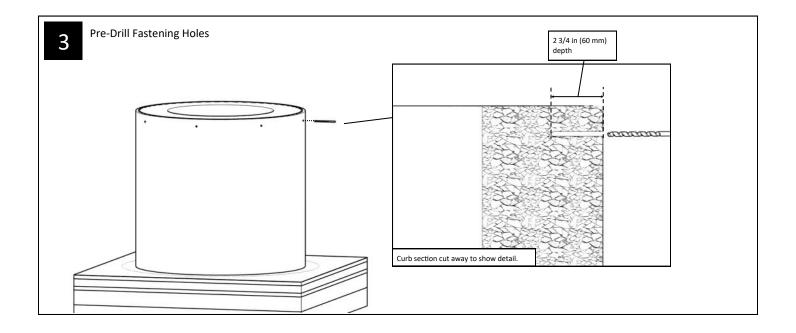


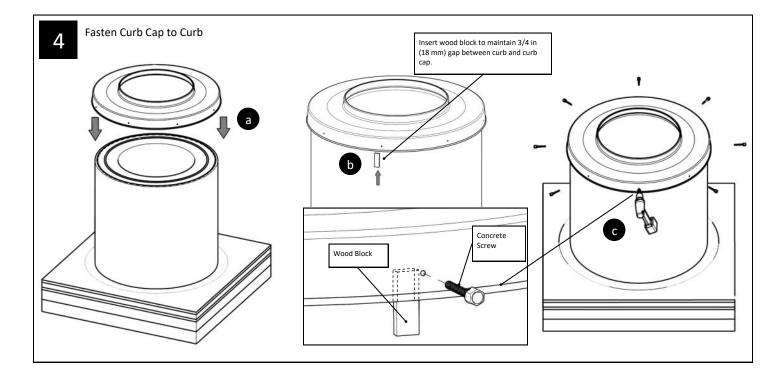
Round Concrete Curb Cap Installation Instructions Appendix

Available for China Only		
Parts List		Quantity
1	Round Curb Cap	(1)
2	Concrete Screw 3/16 in x 2 3/4 in (5 mm x 70 mm) Hex	(8)
3	Concrete Drill Bit 5/32 in x 3 1/2 in (4 mm x 89 mm)	(1)

Additional Materials and Tools		Quantity
2 Sealant Paint (Not Provided)		





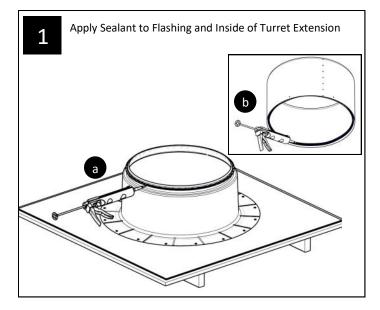


For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

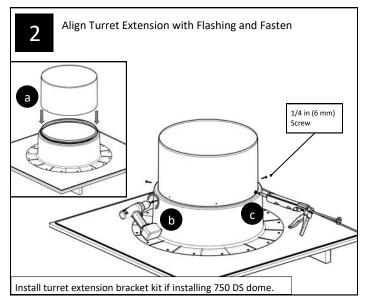
Turret Extension Installation Instructions Appendix

Parts List		Quantity
1	Turret Extension 12 in (300 mm), 24 in (600 mm), 36 in (900 mm), or 48 in (1200 m)	(1)
2	1/4 in (6 mm) screws*	(4)

* 3/4 in (20 mm) screws for 48 in (1200 mm) Turret Extension Only



Additional Materials and Tools Qua		Quantity
1	Roof Sealant	(1)



0-90 Degree Extension Tube Installation Instructions Appendix

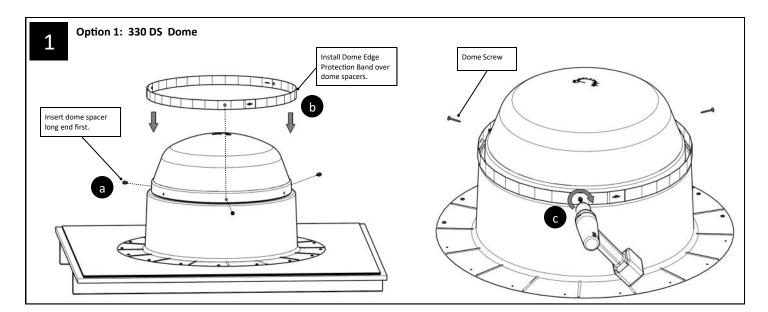
Parts List	Quantity	Additional Materials and Tools Quantity
1 Top Tube Angle Adaptor	(1)	1 None
2 Inner Angle Adaptor	(1)	
3 Tube Screws - #8 X 9/16 in (14 mm)	(8)	
4 Foil Tape - 2 in (51 mm) X 6 ft (2 m)	(2)	
Assemble 0-90 Degree Angle Adaptor		Top Tube Angle Adaptor

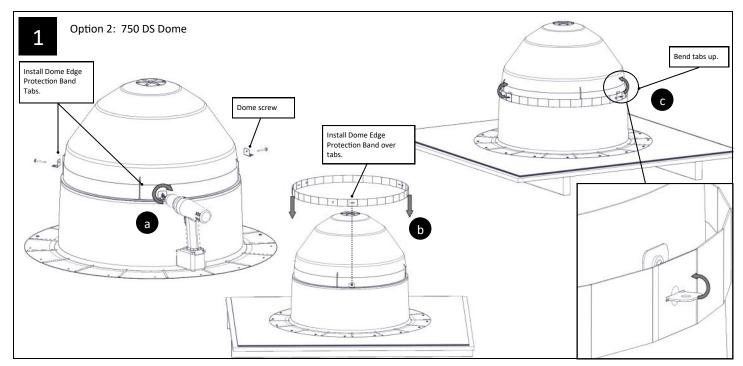
Dome Edge Protection Band Installation Instructions Appendix

Part	Quantity	
1	Dome Edge Protection Band	(1)
2	Dome Edge Protection Band Tab	(3)

Additional Materials and Tools Quantity

 1
 None

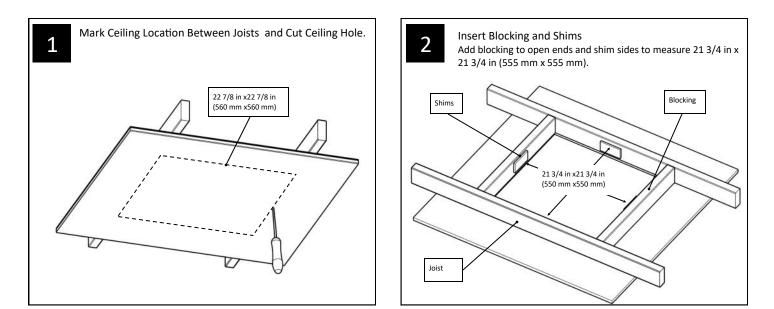


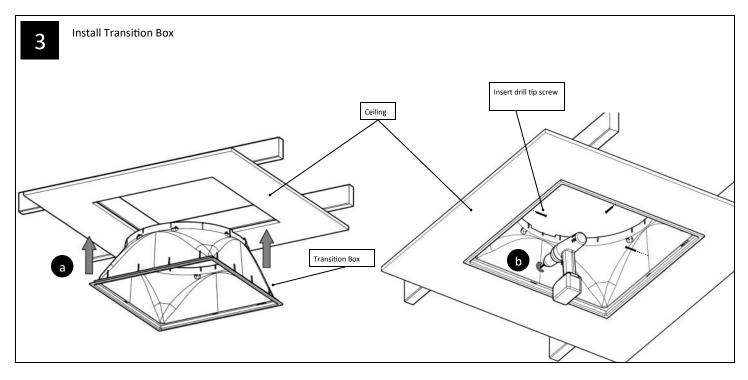


For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

Hard Ceiling Installation Instructions Appendix

Note: This application is intended for the plastic polymeric transition box only.					
Parts List Quantity Additional Materials and Tools			Quantity		
1 Transition Box	(1)	1 Wood Blocking	(2)		
2 Drill Tip Screw 1 5/8 in (40 mm)	(4)	2 Shims	(4)		

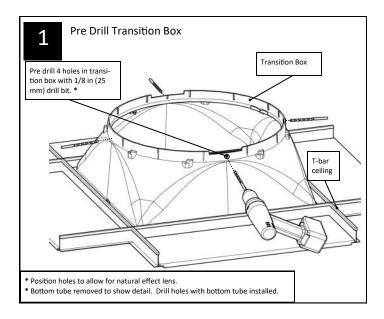




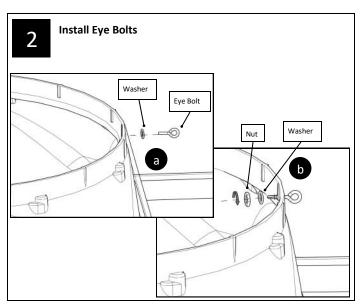
Suspension Wire Kit Installation Instructions Appendix

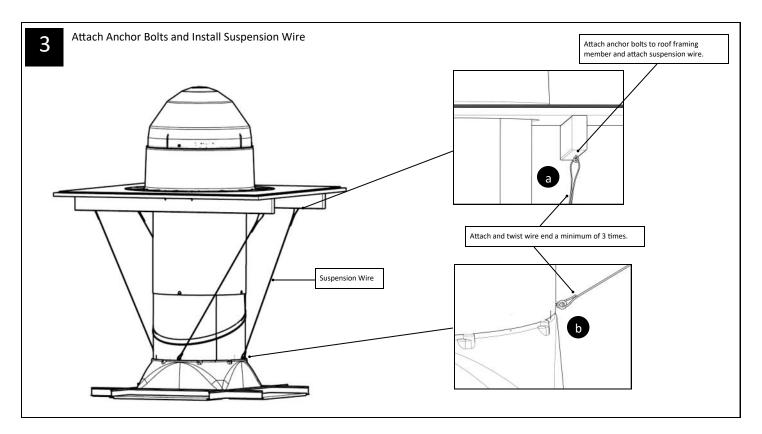
Plastic Polymeric Transition Box

Part	Quantity	
1	12 Gauge Galvanized Wire 50 ft (15.25 m)	(1)
2	Anchor Bolts	(4)
3	Eye Bolt #8 1/8 in (25 mm) with Nut and (2) Washer	(4)



Addi	Quantity	
1	Drill Bit 1/8 in (3 mm)	(1)



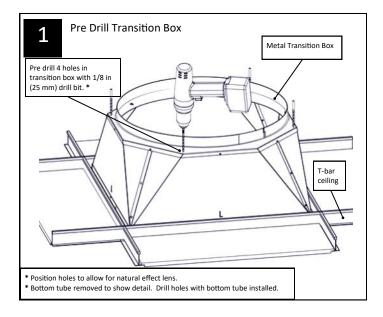


For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

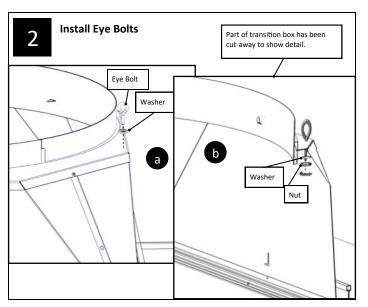
Suspension Wire Kit Installation Instructions Appendix

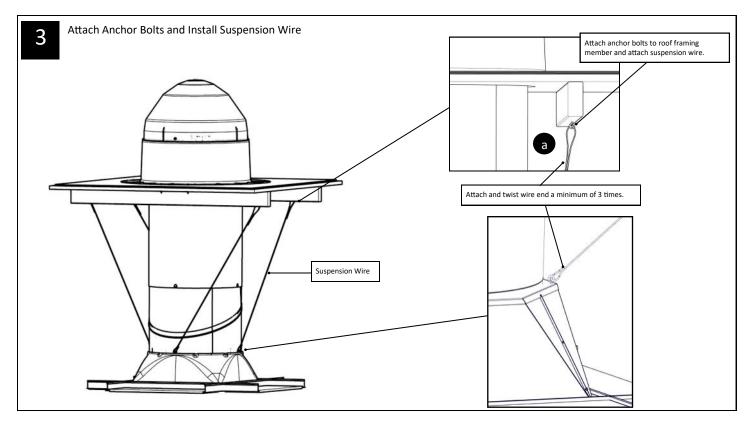
Metal Transition Box with Softlight Technology

Part	Quantity	
1	12 Gauge Galvanized Wire 50 ft (15.25 m)	(1)
2	Anchor Bolts	(4)
3	Eye Bolt #8 1/8 in (25 mm) with Nut and (2) Washer	(4)



Addi	Quantity	
1	Drill Bit 1/8 in (3 mm)	(1)

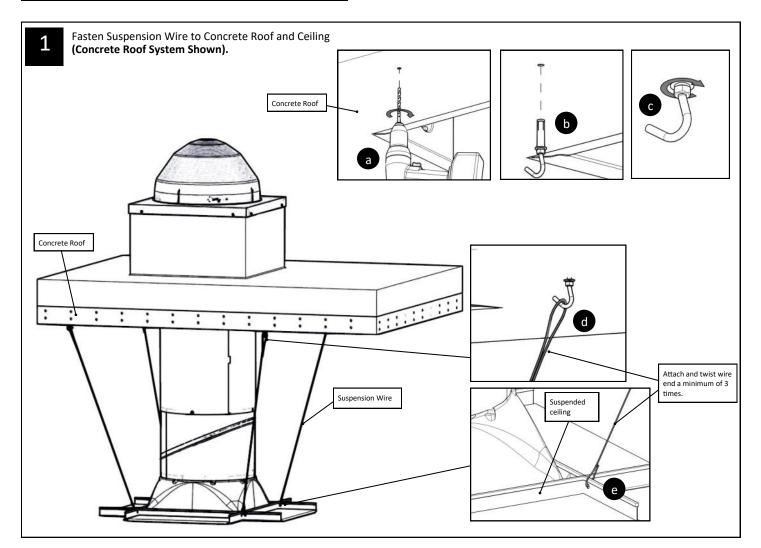




Suspension Wire Kit for Suspended Ceiling

Installation Instructions Appendix

Parts List		Quantity	Additional Materials and Tools	Quantity	
	1	12 Gauge Galvanized Wire 50 ft (15.25 m)	(1)	1 Concrete Drill Bit 7/16 in (11 mm)	(1)
	2	Expanding Bolt (M6)	(4)	2 Concrete Hammer Drill	(1)
		2.1pd://dim B 2011 (1110)	(.)		



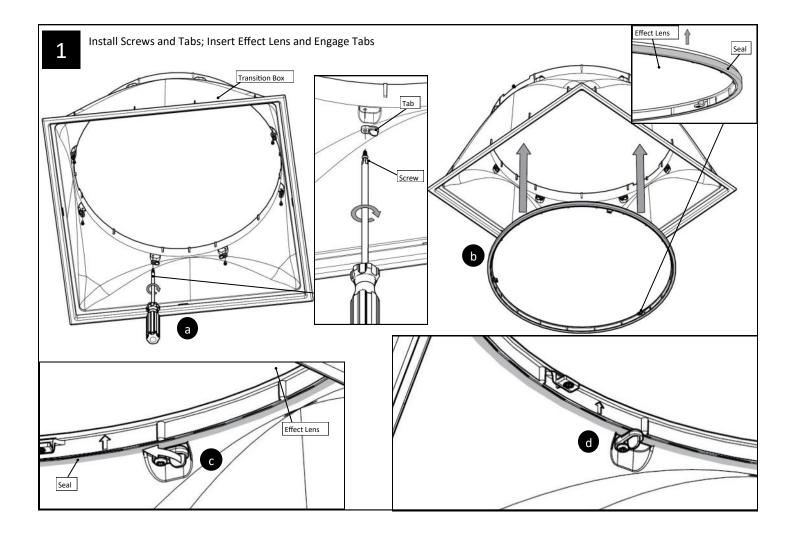
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

Natural Effect Lens Installation Instructions Appendix

Plastic Polymeric Transition Box

Part	Quantity	
1	330 DS/750 DS Natural Effect Lens	(1)
2	Screw #6 X 3/8 in (10 mm)	(8)
3	Natural Effect Lens Tab	(8)

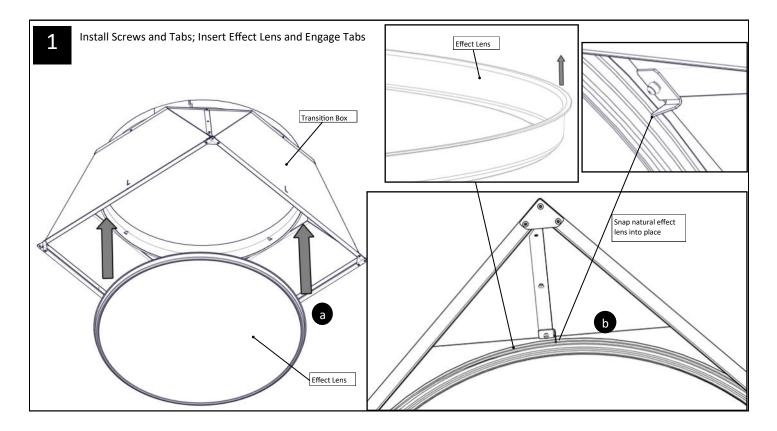
Additional Materials and Tools Qu			
1	None		
-			



Natural Effect Lens Installation Instructions Appendix

Metal Transition Box with Softlight Technology

Parts List Qu		Quantity	Additional Materials and Tools	Quantity
1	330 DS/750 DS Natural Effect Lens	(1)	1 None	



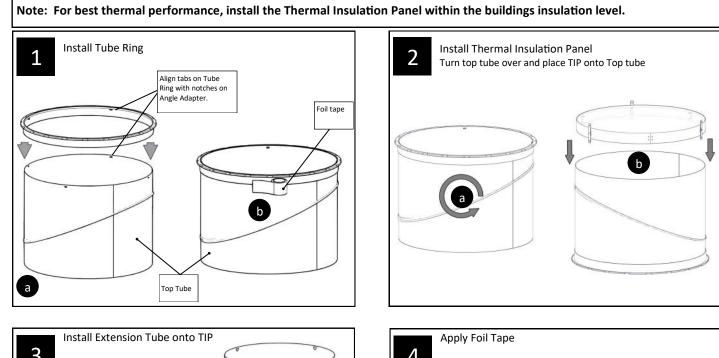
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

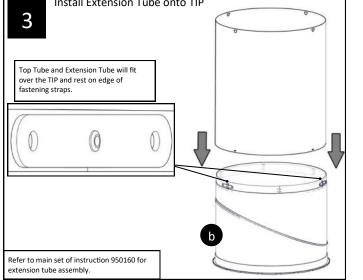
Thermal Insulation Panel (TIP) Installation Instructions Appendix

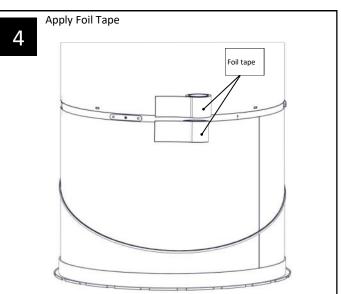
Part	Quantity	
1	Thermal Insulation Panel (TIP)	(1)
2	Drill Tip Screw - #8 X 5/8 in (16 mm)	(4)
3	Tube Screws - #8 X 9/16 in (14 mm)	(6)
4	2 in (50 mm) Foil Tape - 6 ft (1.8 m)	(2)

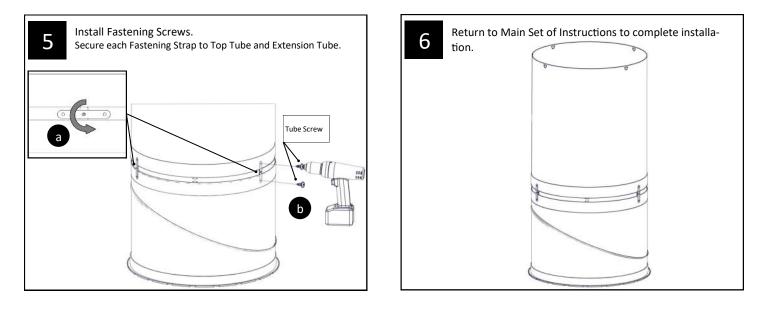
Addit	Quantity	
1	None	

Open Ceiling TIP Installation Instructions For Applications with Insulation at Roof Level



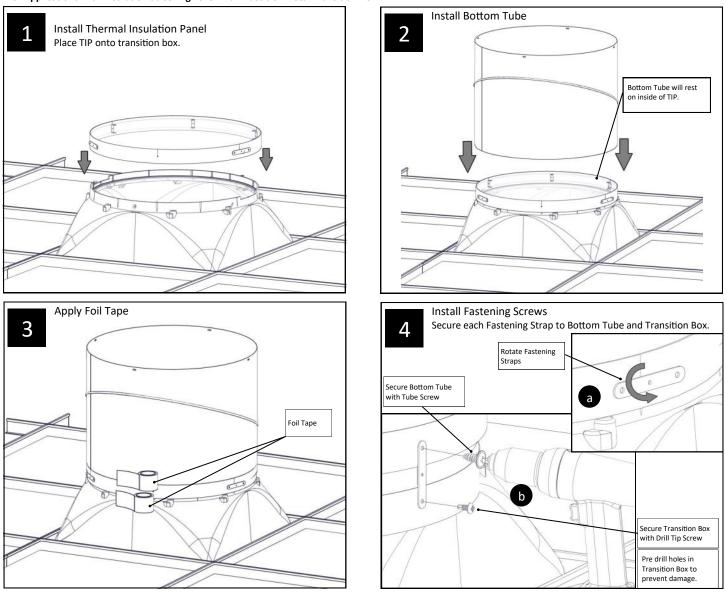






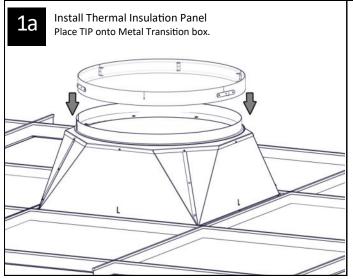
Closed Ceiling TIP Installation Instructions

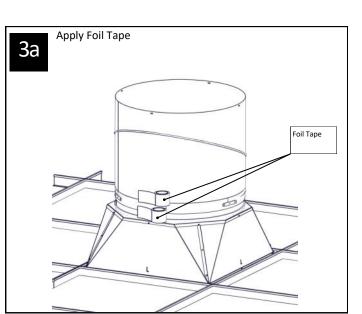
For Applications with Insulation at Ceiling Level with Plastic or Metal Transition Box

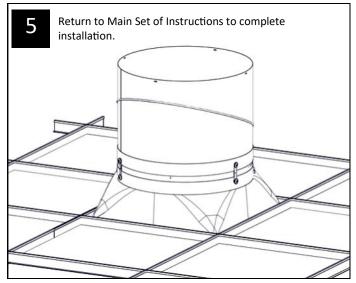


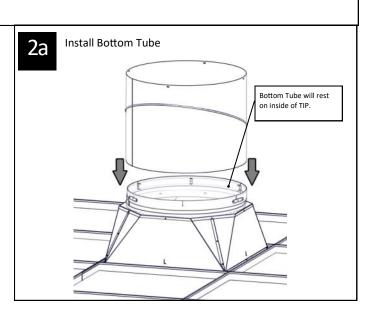
For the most current Installation Instructions, please visit www.solatube.com/instructions Solatube International, Inc. | 2210 Oak Ridge Way | Vista, CA 92081-8341 | www.solatube.com | T: 888.SOLATUBE

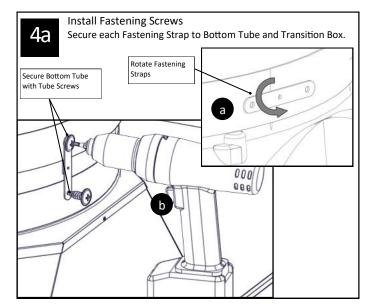
Metal Transition Box Option











Closed Ceiling TIP with Daylight Dimmer Installation Instructions For Applications with Insulation at Ceiling Level—Plastic or Metal Transition Box

