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TSR Product Data Sheet

Starting Production Code: BC11 (2013)



Description	General	An engineered day lighting system consisting of a field assembly of an exterior frame/roof flashing unit, an interior ceiling ring/diffuser, two elbows, a rigid reflective tunnel, and hardware.	
	Installation	Instructions	Installation instructions included in every box. VAS 451389
Installation	Applications	Flashing - lacquered steel flashing with polypropylene flashing ring for composite shingles, and thin wooden shake type roofing material.	
	Installed tunnel length	48" (Standard Kit)	
	Roof Pitch	14° to 60°	
	Compatibility	Flashings	Flashing is built on to the unit.
Compatibility	Interior Accessories (Optional)	ZTL 114	Light kit to use unit as a light source at night. Uses 23-26W compact fluorescent bulb.
		ZTB	Decorative Diffuser
		ZTK	Blackout Shade
	Exterior Accessories (Optional)	ZTZ 211	Rotating Coupler
		ZTR	Additional rigid tubing available in 2', 4', and 6" lengths.
		ZTE	Rotating elbow
ZTZ 209	Diffusion Enhancer		
Materials	Dome	Clear acrylic	
	Flashing	24 gauge Galvalume & ASA Luran	
	Primary Diffuser	3mm (0118") frosted acrylic diffusion panel. Diameter 245.5 mm	
	Secondary Diffuser	1.5 mm (0.060") crackle acrylic diffusion panel. Diameter 245.5 mm	
	Ceiling Ring	White A.B.S. Thermoplastic	
	Ceiling Ring Gasket	Triple sealing flexible vinyl.	
	Rigid Tunnel	Highly reflective silver coated Aluminum, 98% Reflective Tunnel	
	Rigid Elbows	45° Rotating elbows, 11.5" tall, 0.02" (0.51 mm) thick	
	Tape	2" wide Aluminum foil tape	
	Flashing Nails	1.25" flashing nails	
	Screws	1" screws for fastening dome and lower reflective elbow.	
	Sizes	Standard Sizes	10" Diameter Only
Tunnel lengths		Maximum	20'
		Minimum	16"
Dome Size		Thickness = 1/8" (3mm), Height = 3 7/16" or 87.7 mm, Outside diameter = 12 5/8" or 321.3 mm, Inside diameter = 12 3/8" Or 315 mm.	
Flashing Size		22" x 23" (558.5 mm x 584 mm)	
Ceiling Ring	Inside diameter = 14" (356.5 mm), Outside diameter = 16 3/4" (426 mm)		

Certification	Air/Water/ Structural	<input checked="" type="checkbox"/> Hallmark <input type="checkbox"/> TDI <input type="checkbox"/> IAPMO-ES	<input type="checkbox"/> Florida <input type="checkbox"/> Miami Dade <input type="checkbox"/> LA Research Report
	Thermal	<input checked="" type="checkbox"/> U-Factor <input type="checkbox"/> Energy Star Option	<input checked="" type="checkbox"/> SHGC
Warranty	Complete Product	10 years from the date of purchase, VELUX warrants that the SUNTUNNEL skylight will be free from defects in material and workmanship	
Changes from Earlier Versions	Exterior	Introduction of Flexi Loc system	
	Interior	New accessories - Decorative diffuser	
Type Sign	Example	48BE11A	
	Location	Sticker located on the black flashing ring.	
Other Information	Features & Benefits	Great source of natural light, in spaces where regular skylights are not as practical or where diffuse light is desired.	