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TGR/TMR/THR Product Data Sheet



Starting Production Code: BH08 (August 2018)

Description	General	An engineered day lighting system consisting of a field assembly of an exterior frame/roof flashing unit and an interior ceiling ring/diffuser joined by a rigid, reflective tunnel.
Installation	Instructions	Installation instructions included in every box. VAS 454064
	Applications	TGR/TMR Flashing - G90 galvanized flashing with water diverters for composite shingles, thin wooden shakes, and slate type roofing material.
		THR Flashing - Plastic flashing for composite shingles, thin wooden shakes, and slate type roofing material.
	Installed tunnel length	48" (standard kit)
Roof Pitch	14° to 60°	
Compatibility	Flashings	Flashing is built on to the unit.
	Interior Accessories (Optional)	ZTL 114 - Light kit to use unit as a light source at night. Uses 23-26W compact fluorescent bulb.
		ZTC 0041 - Residential Energy Kit
		ZTB - Decorative Diffusers
		ZTP - Daylight Controller
		ZZZ 233 - Daylight Controller Power Supply
	Exterior Accessories (Optional)	ZZZ 192 - Exterior Fire Band
		ZTR - Additional rigid tubing available in 2', 4', and 6" lengths.
		ZTM - Tile Flashing for Pitched Sun Tunnels (TMR Only)
ZTZ 209 - Diffusion Enhancer		
Materials	Dome	92% Transparent impact resistant acrylic with UV absorbers or polycarbonate.
	Flashing	G90 Galvanized metal low profile flashing (TGR) projects 4" above the roof deck and is available in 10" and 14". G90 galvanized metal pitched flashing (TMR) allows for a horizontal dome installation when installed on a 14° to 45° roof pitch and projects 9" above the roof deck and is available in 10" and 14".
	Primary Diffuser	3mm clear acrylic screw-in diffuser
	Secondary Diffuser	1.5 mm frosted acrylic diffusion panel. Diameter 240 mm (010), 342 mm (014)
	Diffuser Gasket	Overmolded
	Ceiling Ring	White A.B.S. Thermoplastic
	Rigid Tubing	Highly reflective silver coated aluminum, 98% reflective
	Rigid Elbows	45° Rotating elbows, 11.5" tall, 0.02" (0.51 mm) thick
	Tape	2.5" wide Aluminum foil tape
	Screws	1" screws for fastening flashing, 3/4" dome screws
Tunnel fasteners	Flexi-Loc clips, 3/8 " screws if needed.	

Sizes	Standard Sizes	10" and 14" diameters	
	Tunnel lengths	Maximum	30' (014), 20' (010)
		Minimum	16"
	Dome 010	Thickness = 1/8" or 3.2 mm, Height = 6-3/16" or 156.5 mm, Outside diameter= 13-7/16" or 341.4 mm, Inside diameter = 12-3/4" or 324.8 mm.	
	Dome 014	Thickness = 1/8" or 3.2 mm, Height = 6-15/16" or 176.5 mm, Outside diameter= 17-9/16" or 446.2 mm, Inside diameter = 16-7/8" or 429.5 mm.	
	Flashing 10"	TMR/THR 24.74 " x 26.00" (628.5mm x 660.5mm)	
		TGR 24.74 " x 24.74" (628.5mm x 628.5mm)	
	Flashing 14"	TMR/THR 29.00" x 30.49" (736.5mm x 774.5mm)	
		TGR 29.00 " x 29.00" (736.5mm x 736.5mm)	
	Ceiling Ring Size 010	Inside Diameter = 9-7/8" (249.5 mm), Outside Diameter = 12-5/8" (321 mm)	
Ceiling Ring Size 014	Inside Diameter = 14" (352.8 mm), Outside Diameter = 16-5/8" (423 mm)		
Certification	Air/Water/Structural	<input checked="" type="checkbox"/> Hallmark <input checked="" type="checkbox"/> TDI <input checked="" type="checkbox"/> IAPMO-ES	<input checked="" type="checkbox"/> Florida <input type="checkbox"/> Miami Dade <input checked="" type="checkbox"/> LA Research Report
	Thermal	<input checked="" type="checkbox"/> U-Factor <input checked="" 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	None	
	Interior	Screw in diffuser	
Type Sign	Example	48BD11A	
	Location	Sticker located on the black intermediate 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.	

