



# Product Evaluation

SK24 | 0718

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** SK-24

**Effective Date:** July 1, 2018

**Re-evaluation Date:** July 2022

**Product Name:** VELUX® SUN TUNNEL™ Skylights, Model TSR, Tubular Daylighting Devices, Non-impact Resistant

**Manufacturer:** VELUX America LLC  
P.O. Box 5001  
Greenwood, SC 29648-5001  
(864) 941-4828

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Model TSR 010 0000 SUN TUNNEL; Rigid Tunnel, Dual and Quadruple Diffuser, Acrylic Dome TDD	TDDCC-PG180 Size Tested: 318mm	+200 / -180 psf

### Component Dimensions:

System	Component	Width	Height
1	Flashing Size	21-7/8"	23"
	Dome Size	12-1/2"	N/A
	Rigid Tunnel	10-1/8"	N/A
	Diffuser	12-7/8"	N/A

**Product Identification (Certification Agency Label on Skylight):**

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	VELUX® SUN TUNNEL™
	Product Name	TSR 010
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

**Product Identification (Manufacturer):** A permanent identification label is affixed to the product. The permanent label includes the manufacturer's name and the product number.

**Impact Resistance:**

System	Impact Resistant	Requirement
1	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Roof Slope:** Install the skylights on roofs with slopes between 14 degrees and 60 degrees.

**Installation:**

**General:** TDD components must be assembled and installed in accordance with the manufacturer's installation instructions and this evaluation report. Detailed installation instructions are shipped in the cartons, and additional drawings may be available from the manufacturer.

**Installation:** The roof deck must be minimum nominal 1/2" plywood. Secure the Sun Tunnel flashing to the roof deck with minimum 10-gauge, 1-1/4" long ring shank nails. Along each edge of the flashing, the fasteners are spaced approximately 4" from the corner and approximately 5-1/2" on center. Place an additional 16 fasteners evenly spaced on the flashing along the perimeter of the dome.

**Note:** Keep the manufacturer's installation instructions on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.