

Product Evaluation

SK57 | 0121

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-57

Effective Date: January 1, 2021

Re-evaluation Date: April 2024

Product Name: 290 DS Low Profile Tubular Daylighting System, Impact Resistant

Manufacturer: Solatube International, Inc.
2210 Oak Ridge Way
Vista, CA 92081-8341
(760) 597-4427

General Description:

System	Description	Label Rating	Design Pressure Rating
1	290 DS Low Profile Tubular Daylighting System	CW-PG100 368 x 368 (15x15) – Type TDD; Missile Level D	+100 / -100 psf

Product Dimensions:

System	Overall Size	Flashing Size
1	18" x 18"	25-1/2" x 25-1/2"

Product Identification (Certification Label on Skylight):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	Solatube International Inc. CAR 110-128; CAR 110-206
	Product Name	Solatube 290 DS Low Profile Lami Glass Daylighting Device
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-13a, ASTM E 1996-14a, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation: Install the TDD as required by the manufacturer in their installation instructions. Secure the TDD to a minimum nominal 15/32" thick plywood roof deck. The flashing is attached to the plywood roof deck with eight (8) No. 10 x 2" PPH screws through pre-drilled holes in the flashing. All holes in the flashing must be used. Use fasteners long enough to penetrate into and through the roof deck material.

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