



Product Evaluation

SK-43 | 0215

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-43

Effective Date: February 1, 2015

Re-evaluation Date: December 2018

Product Name: 160 DS/290 DS/Smart LED Daylighting System, Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	160 DS/290 DS/Smart LED Daylighting System	CW-PG70 14" diameter	±70 psf

Product Dimensions:

System	Overall Size
1	14" width x 14" height

Product Identification (Certification Label on Skylight):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 110-201 CAR 110-110
	Product Name	160 DS/290 DS/Smart LED Daylighting System
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-08 ASTM E1886/1996-05

Impact Resistance:

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

Installation:

System		
1	Roof Deck Construction	Minimum 3/4" plywood
	Fasteners	Minimum No. 10 truss head sheet metal screws
	Fastener Location/Spacing	Eight (8) screws located in the pre-drilled holes around the perimeter.
	Fastener Penetration	Minimum of 1-1/2 inches into and through the roof deck

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