



# Product Evaluation

SK44 | 0415

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-44

**Effective Date:** April 1, 2015

**Re-evaluation Date:** April 2017

**Product Name:** Model M74 DS Curb Mount Tubular Daylight Device, 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	Model M74 DS Curb Mount Tubular Daylight Device	CW-PG80 36 x 36-Type TDD Missile Level D	+80 / -80 psf

### Product Dimensions and Glazing:

System		
1	Outside Curb Dimension	34-1/2" x 34-1/2"
	Outside Frame Dimension	36" x 36"
	Dome Height	6-7/8"
	Dome Diameter	31.31"
	Outer Dome	0.118" Monolithic Polycarbonate
	Diffuser Panel	0.100" Monolithic Prismatic Acrylic

**Product Identification (Certification Label on Skylight (Two Labels)):**

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	Solatube International Inc. Label 1: CAR 110-121/CAR 110-122 Label 2: CAR 110-204/CAR 110-205
	Product Name	M74 DS TDD - Open Ceiling Single Dome M74 DS TDD - Open Ceiling Double Dome
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13, ASTM E1996-12, Missile Level D

**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:** Mount the tubular daylight device to a wood curb. Use a minimum 2x8 Spruce-Pine-Fir dimension lumber wood curb. Design the wood curb and the attachment of the wood curb to the roof framing to resist the design pressures of the assembly as specified in this evaluation report. Design the wood curb and the attachment of the wood curb to the structure by a Texas licensed engineer.

Secure the tubular daylight device to the wood curb using the vertical apron of the curb cap assembly with minimum No. 8 x 2" truss head self-piercing sheet metal screws. Locate four fasteners along each side of the assembly. Place the fasteners through the pre-cut holes in the vertical apron approximately 2-1/2" from each corner and approximately 10" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wood framing.

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