# Product Evaluation



*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-34

**Effective Date:** September 1, 2015
**Re-evaluation Date:** December 2018

**Product Name:** Skytube Tubular Skylights "ST" Series, Impact Resistant

**Manufacturer:** ODL, Inc.
215 E. Roosevelt Ave.
Zeeland, MI 49464
Telephone: (616) 748-5437

**Distributed by:** Wasco Products, Inc.
85 Spencer Dr.
Wells, ME 04090
Telephone: (800) 338-0293

The Skytube Tubular Skylights "ST" Series are skylights with a polycarbonate dome with an aluminum flashing. The tubular skylights specified in this evaluation report are impact resistant skylights. This product evaluation report is for tubular skylights based on the following tested constructions:

**General Description:**

| System | Description | Label Rating |
|---|---|---|
| 1 | ST10HR; ST14HR | R-PG100 (14) Diameter – Type TDD |

**Product Dimensions:**

| System | Dome Size | Flashing Size |
|---|---|---|
| 1 | 14" x 7-3/16" | 26" diameter x 6" high |

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

| System | | | |
|---|---|---|---|
| 1 | Certification Agency | Keystone | |
| | Manufacturer's Name or Code Name | ODL, Incorporated | |
| | Product Name | Model: ST10HR/ST14HR Poly Dome AL Tubular Skylight | |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08<br>ASTM E 1886-05, ASTM E 1996-05<br>Missile Level D | |
| | Certification Authorization Report (CAR) | ST10HR | 153-112 |
| | | ST14HR | 153-203 |

**Impact Resistance:**

| System | Impact Resistant | Requirement |
|---|---|---|
| 1 | Yes | These skylight assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in both the Inland I zone and the Seaward zone. These skylight assemblies passed Missile Level D specified in ASTM E 1996-05. The skylight assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. These skylight assemblies will not need to be protected with an impact protective system. |

**Design Pressure:**

| System | Dome Size | Design Pressures (psf) |
|---|---|---|
| 1 | 14" x 7 3/16" | ±100 |

**Installation:**

**General:** The skylight assembly shall be prepared and installed in accordance with the manufacturer's recommended installation instruction, the approved drawings referenced below, and this evaluation report. Detailed installation instructions and component drawings are available from the manufacturer.

**Design Drawings:** The skylights shall be installed in accordance with Drawing No. TX-4135, titled "Skytube Tubular Skylight," sheets 1 through 2 of 2, dated November 9, 2011, signed and sealed by Lyndon F. Schmidt, P.E. on December 8, 2011. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Roof Deck Construction:** The skylights shall be secured to a minimum 7/16" thick OSB.

**Installation:** The skylights shall be installed as specified on the approved drawings.

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