



Product Evaluation

SK35 | 0915

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-35

Effective Date: September 1, 2015

Re-evaluation Date: December 2018

Product Name: Tubular Skylights "Illuminator" Model, Non-Impact Resistant

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

Distributed by: Owens Corning
One Owens Corning Parkway
Toledo, OH 43659
Telephone: (419) 376-8360

The Tubular Skylight "Illuminator" Model are skylights with an acrylic dome with polyethylene flashing. The tubular skylights specified in this evaluation report are non-impact resistant skylights. This product evaluation report is for tubular skylights based on the following tested constructions:

General Description:

| System | Description | Label Rating |
|--------|-----------------------------------|----------------------------------|
| 1 | Illuminator 10" Spun Aluminum | CW-PG90 (10) Diameter – Type TDD |
| 2 | Illuminator 14" Spun Aluminum | CW-PG90 (14) Diameter – Type TDD |
| 3 | Illuminator 10" Composite | CW-PG90 (10) Diameter – Type TDD |
| 4 | Illuminator 14" Composite | CW-PG80 (14) Diameter – Type TDD |
| 5 | Illuminator 10" Formable Flashing | CW-PG65 (10) Diameter – Type TDD |
| 6 | Illuminator 14" Formable Flashing | CW-PG50 (14) Diameter – Type TDD |

Product Dimensions:

| System | Dome Size | Reflective Adjustable Tube Size | Glass Diffuser Lens Assembly | Flashing Size |
|--------|--------------|---------------------------------|------------------------------|----------------------------|
| 1 | 10" x 6-3/4" | 9-1/2" | 12" Diameter | 22" diameter x 6" H |
| 2 | 14" x 7-3/4" | 13-1/2" | 16" Diameter | 26" diameter x 6" H |
| 3 | 10" x 6-3/4" | 9-1/2" | 12" Diameter | 23.75" W x 24.5" L x 10" H |
| 4 | 14" x 7-3/4" | 13-1/2" | 16" Diameter | 23.75" W x 24.5" L x 10" H |
| 5 | 10" x 6-3/4" | 9-1/2" | 12" Diameter | 36" W x 33.5" L x 6" H |
| 6 | 14" x 7-3/4" | 13-1/2" | 16" Diameter | 36" W x 33.5" L x 6" H |

Product Identification (Certification Label on Skylight):

| System | | |
|--------|-----------------------------------|--|
| 1-6 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | ODL, Incorporated |
| | Product Name | Model: SE-10S/14S Poly Dome AL Tube Skylight |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 |
| | Model | Certification Authorization Report (CAR) |
| 1 | Illuminator 10" Spun Aluminum | 153-117 |
| 2 | Illuminator 14" Spun Aluminum | 153-117 |
| 3 | Illuminator 10" Composite | 153-113 |
| 4 | Illuminator 14" Composite | 153-114 |
| 5 | Illuminator 10" Formable Flashing | 153-115 |
| 6 | Illuminator 14" Formable Flashing | 153-116 |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1-6 | No | These skylight assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These skylight assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required. |

Design Pressure:

| System | Dome Size | Design Pressures (psf) |
|--------|--------------|------------------------|
| 1 | 10" x 6-3/4" | ± 90 |
| 2 | 14" x 7-3/4" | ± 90 |
| 3 | 10" x 6-3/4" | ± 90 |
| 4 | 14" x 7-3/4" | ± 80 |
| 5 | 10" x 6-3/4" | ± 65 |
| 6 | 14" x 7-3/4" | ± 50 |

Installation Instructions

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-4136, titled "Tubular Skylight "Illuminator" Model," sheets 1 through 4 of 4, dated January 4, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on April 17, 2012. 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 in the approved drawings.

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