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# ICC-ES Evaluation Report

## ESR-3362

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Reissued 04/2019

This report is subject to renewal 04/2020.

**DIVISION: 08 00 00—OPENINGS**  
**SECTION: 08 84 00—PLASTIC GLAZING**

**REPORT HOLDER:**

**ACUITY BRANDS LIGHTING DBA: SUNOPTICS SKYLIGHTS**

**EVALUATION SUBJECT:**

**SUNOPTICS ACRYLIC AND POLYCARBONATE SHEETS**



*“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”*



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**ESR-3362**

Reissued April 2019

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**DIVISION: 08 00 00—OPENINGS**  
**Section: 08 84 00—Plastic Glazing**

IBC Section 2606.4 and have a CC1 classification. See Table 1.

## REPORT HOLDER:

**ACUITY BRANDS LIGHTING DBA: SUNOPTICS SKYLIGHTS**

## 4.0 INSTALLATION

The acrylic and polycarbonate sheets are intended for use in interior or exterior applications. The products must be installed as set forth in the code and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite during installation.

## EVALUATION SUBJECT:

**SUNOPTICS ACRYLIC AND POLYCARBONATE SHEETS**

## 5.0 CONDITIONS OF USE

The Sunoptics acrylic and polycarbonate sheet products described in this report comply with, or are suitable alternatives to what is specified in, the code indicated in Section 1.0 of this report, subject to the following conditions:

## 1.0 EVALUATION SCOPE

### Compliance with the following codes:

2018, 2015, 2012 and 2009 *International Building Code*® (IBC)

### Properties evaluated:

- Light-transmitting plastics
- Durability

**5.1** Installation must comply with this report, the manufacturer's published installation instructions and the requirements of the IBC. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.

## 2.0 USES

The acrylic and polycarbonate sheet products are light-transmitting plastics complying with IBC Section 2606.4, and are intended for use in interior or exterior applications. End use of the products is outside the scope of this report, so compliance with code requirements applicable to end use (such as, but not limited to, requirements for structural and drop-out performance) must be demonstrated to the code official.

**5.2** End use of the products requires justification of compliance with appropriate code requirements, including structural considerations.

**5.3** Use of the Sunoptics polycarbonate and acrylic sheeting products in skylights and in exterior wall and roof panel applications is limited to use in products specifically recognized in ICC-ES evaluation reports.

**5.4** Impact resistance has not been evaluated.

## 3.0 DESCRIPTION

### 3.1 Acrylic Sheets:

Sunoptics extruded prismatic acrylic sheets are available in white, clear and special colors; and in overall thicknesses from 0.120 inch (3.0 mm) to 0.250 inch (6.4 mm). Sunoptics acrylic sheets comply with IBC Section 2606.4 and have a CC2 classification. See Table 1.

## 6.0 EVIDENCE SUBMITTED

**6.1** Reports containing results of testing performed in accordance with ASTM D2843, ASTM D1929 and ASTM D635.

**6.2** For recognition under the 2018, 2015, and 2012 IBC, reports of weathering tests (ultraviolet-light tests and comparative tension tests) in accordance with Section 4.1.2 of the ICC-ES Acceptance Criteria for Plastic Glazed Skylights (AC16), dated April 2017, editorially revised December 2018.

### 3.2 Polycarbonate Sheets:

Sunoptics extruded prismatic polycarbonate sheets are available in white, clear and special colors; and in thicknesses from 0.125 inch (3.2 mm) to 0.250 inch (6.4 mm). Sunoptics polycarbonate sheets comply with

For recognition under the 2009 IBC, reports of weathering tests (ultraviolet-light tests and comparison tension tests) in accordance with Section

A.4.1.2 of the ICC-ES Acceptance Criteria for Plastic Glazed Skylights (AC16), dated April 2011.

7.2 The report holder's contact information is as follows:

**ACUITY BRANDS LIGHTING DBA:  
SUNOPTICS SKYLIGHTS  
6201 27<sup>TH</sup> STREET  
SACRAMENTO, CALIFORNIA 95822  
(916) 395-4700  
[sunoptics.acuitybrands.com](http://sunoptics.acuitybrands.com)  
[Scott.Weaver@acuitybrands.com](mailto:Scott.Weaver@acuitybrands.com)**

**7.0 IDENTIFICATION**

7.1 The products are identified by a label noting the type of plastic (acrylic or polycarbonate), product thickness, the manufacturer's name (Sunoptics) and address, the evaluation report number (ESR-3362), and the plastic classification.

**TABLE 1 – SUNOPTICS® PROPERTIES**

PARAMETER	Sunoptics® Models	
	Prismatic Acrylic	Prismatic Polycarbonate
<b>Thinnest Thickness (inch)</b>	.040 to .170	.045 to .170
<b>Overall Thickness (inch)</b>	.120 to .250	.125 to .250
<b>Plastic Classification (IBC Section 2606.4)</b>	CC2	CC1

For: **SI:** 1 inch = 25.4 mm

## ICC-ES Evaluation Report

## ESR-3362 FBC Supplement

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**Section: 08 84 00—Plastic Glazing**

### REPORT HOLDER:

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### EVALUATION SUBJECT:

**SUNOPTICS ACRYLIC AND POLYCARBONATE SHEETS**

### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that the Sunoptics Acrylic and Polycarbonate Sheets, recognized in ICC-ES master evaluation report ESR-3362, have also been evaluated for compliance with the code noted below.

#### Applicable code edition:

2017 *Florida Building Code—Building*

### 2.0 CONCLUSIONS

The Sunoptics Acrylic and Polycarbonate Sheets, described in Sections 2.0 through 7.0 of the master evaluation report ESR-3362, comply with the *Florida Building Code—Building*, provided the design and installation are in accordance with the 2015 *International Building Code*® provisions noted in the master report.

Use of the Sunoptics Acrylic and Polycarbonate Sheets for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building*, has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued April 2019.