Truly innovative solutions.
Operable Skylights provide the benefits of increased natural light and ventilation. With a variety of operation possibilities, including Venting, Retractable, and 80°-90° Operable, the design possibilities are endless; each skylight is designed and built completely custom to fit any project. Solar Innovations® thermally enhanced systems and high performance glazing options mean that the SI6400 & SI6500 skylights are built to last, in virtually any climate or application.

FEATURES

PANELS:
- Custom configurations available
- Motorized and manual options available depending on system, operable intention, engineering approval
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:
- Water performance up to 15psf
- Thermally enhanced utilizing thermal strut or thermal fill & debridge

GLAZING:
- Designed to accommodate almost any glazing infill including, glass, acrylic, polycarbonate, insulated metal panels

OPTIONS

FINISHES:
- Standard finishes
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes
  - AAMA 2603: Hartford Green, Black
  - Natural Clay, Sandstone
- Custom finishes
  - Powder coat finish: AAMA 2604 - 2605
  - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
  - Wood veneer, metal cladding, foiling options
  - Dual color or dual finish options

ACCESSORIES:
- Fixed mesh insect screen options
CONFIGURATIONS

Additional configurations are available.

Retractable
2°-10° pitch recommended. Manual or piston motor operation depending on configuration.

80°-90° Operable
Manual, air-filled piston assist or hydraulic operation.

On-slope Retractable
Tube motor and cable operation.

Ridge Retractable

FINISH OPTIONS

Paint
STANDARD - AAMA 2603 (5 year warranty). Finishes available while in stock.

<table>
<thead>
<tr>
<th>SI Black</th>
<th>SI White</th>
<th>SI Sandstone</th>
<th>SI Natural Clay</th>
<th>SI Bronze</th>
<th>SI Hartford Green</th>
</tr>
</thead>
</table>

Anodized
Additional cost

<table>
<thead>
<tr>
<th>Class I Clear</th>
<th>Dark Bronze Anodized</th>
</tr>
</thead>
</table>

Paint
DESIGNER - AAMA 2604 (5 year warranty), AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

<table>
<thead>
<tr>
<th>SI Black</th>
<th>SI White</th>
<th>SI Sandstone</th>
<th>SI Natural Clay</th>
<th>SI Bronze</th>
<th>SI Hartford Green</th>
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</table>

Anodized
Additional cost

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<thead>
<tr>
<th>Class I Clear</th>
<th>Dark Bronze Anodized</th>
</tr>
</thead>
</table>

Powder Coat Solids
AAMA 2604 (10 year warranty), AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

<table>
<thead>
<tr>
<th>Black</th>
<th>Apollo White</th>
<th>Bone White</th>
<th>Ivory</th>
<th>Sandstone</th>
<th>Seawolf</th>
<th>Fashion Gray</th>
<th>Colonial Gray</th>
<th>Charcoal</th>
<th>Military Light Blue</th>
<th>Burgundy</th>
<th>Hartford Green</th>
<th>Antique Bronze</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRSL 11390</td>
<td>SRSL 82297</td>
<td>SRSL 82500</td>
<td>SRSL 46891</td>
<td>SRSL 46892</td>
<td>SRSL 46645</td>
<td>SRSL 74654</td>
<td>SRSL 74653</td>
<td>SRSL 74652</td>
<td>SRSL 74654</td>
<td>SRSL 62467</td>
<td>SRSL 52545</td>
<td>SRSL 46898</td>
</tr>
</tbody>
</table>

Powder Coat Metallics
AAMA 2604, AAMA 2605*

<table>
<thead>
<tr>
<th>Silver Sparkle</th>
<th>Champagne</th>
<th>Copper</th>
<th>Pewter</th>
</tr>
</thead>
</table>

Metal Clad
STANDARD*

<table>
<thead>
<tr>
<th>Copper</th>
<th>#4 Polished Stainless Steel</th>
</tr>
</thead>
</table>

Metal Clad
DESIGNER*

<table>
<thead>
<tr>
<th>Rheinzink Bright Rolled</th>
<th>Rheinzink Blue Gray</th>
<th>Rheinzink Graphite Gray</th>
<th>Brass</th>
<th>Bronze</th>
</tr>
</thead>
</table>

Decoral Finishes (Powder Coat)*

<table>
<thead>
<tr>
<th>Knotty Pine 2103</th>
<th>Douglas Fir 1501</th>
<th>Acacia 1001</th>
<th>Cherry 1402</th>
<th>Acacia 1001</th>
<th>Oak Assi 2501</th>
<th>Cherry 1402</th>
<th>Dark Walnut 1802</th>
<th>Teak 2601</th>
<th>National Walnut 1806</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS 716 Textured DS 716 Textured DS 716 Textured DS 716 Textured DS 716 Textured DS 716 Textured DS 716 Textured DS 716 Textured</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wood Veneering (Unfinished)
STANDARD*

<table>
<thead>
<tr>
<th>Douglas Fir</th>
<th>White Oak</th>
<th>Walnut</th>
<th>Honduran Mahogany</th>
</tr>
</thead>
</table>

Wood Veneering (Unfinished)
DESIGNER*

<table>
<thead>
<tr>
<th>Ponderosa (White) Pine</th>
<th>Pecan Pine</th>
<th>Cherry</th>
</tr>
</thead>
</table>

Wood/Glulam
STANDARD*

<table>
<thead>
<tr>
<th>Red Oak</th>
<th>White Ash</th>
<th>Hard Maple</th>
<th>White Oak</th>
</tr>
</thead>
</table>

Wood/Glulam
DESIGNER*

<table>
<thead>
<tr>
<th>Douglas Fir</th>
<th>Cherry</th>
<th>Sapele Mahogany</th>
<th>Walnut</th>
</tr>
</thead>
</table>

*Adds one to three weeks to lead time.

Note: Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for samples. Product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color match, are available; contact Solar Innovations® for details. FSC options available.
RETRACTABLE SKYLIGHTS

Product Overview

With over 15 years of development, Retractable Skylights are a convenient alternative method of ventilation. Solar Innovations® Retractable Skylights are a superior thermally enhanced system, limiting environmental temperature transfers, and are able to utilize high performance insulated glass to control air and moisture effectively, allowing them to be used in pool enclosures and other high-moisture environments. Retractable Skylights provide clear, unobstructed views and increased airflow for any glass structure or existing construction.

G3 Multi Panel Details

Panels
- Minimum panel width on slope: 3’ x 6’; smaller panels may be available upon engineering approval
- Panel size up to 5’ x 7’; larger panel options may be available depending on application

Glazing
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 3/16” to 1¾”

Performance
- Water performance up to 6.89psf (G3 only), depending on sill choice and configuration
- Structural tested up to a design pressure of 45psf (G3 only)
Single Panel Options

- **Ridge**
  - Tube motor and cable operation.

- **Roller Assembly**

- **Sill**

G2 Multi-Panel Options

- **Head & Sill Details**
  - Tube motor and cable operation.

- **Jamb Details**

  [Diagram showing Jamb Details with a thermal break symbol]
80°-90° OPERABLE SKYLIGHTS

Product Overview

A 80°-90° Operable Skylight lifts the glazed unit, or “lid,” 80°-90° from the plane of the curb. This type of skylight offers several applications and functions, the main being ventilation. A typical ridge vent or standard operable skylight only opens a few degrees, while the 80°-90° Operable Skylight fully opens, allowing for optimum amounts of ventilation.

At times, large equipment has to be moved into a room, but the building doors are not large enough, or a building may require easy access to the rooftop; in either of these situations, a 80°-90° Operable Skylight is an ideal solution. For those who enjoy stargazing, this skylight can also provide unobstructed views of the night sky.

<table>
<thead>
<tr>
<th>Air &amp; Structure Impact Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>G2 80°-90° Aluminum 2-Lite</td>
</tr>
</tbody>
</table>

Panels

- Minimum panel width: approx. 2’ - 2’ 6”; smaller panels may be available upon engineering approval
- Panel size up to 4’ x 8’; larger panel options may be available depending on application

Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ³⁄₁₆” to 1½”

Performance

- Water performance up to 15psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 40psf
- Higher water and structural performance available with engineering approval
VENTING SKYLIGHTS

Product Overview

Solar Innovations® venting skylights bring the warmth of the sun to light up a room while also providing a means for heat to escape. These units can be operated manually or can be motorized and equipped with rain sensors for automatic operation. Breathe in the benefits of fresh air and reap the benefits of energy savings with our venting skylights.

<table>
<thead>
<tr>
<th>Type</th>
<th>Panel Size</th>
<th>Air Infiltration At 1.57psf (25mph)</th>
<th>Water Penetration</th>
<th>Design Pressure</th>
<th>Uniform Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>G2 80°-90° Aluminum 2-Lite</td>
<td>72&quot; H x 120&quot; W</td>
<td>0.05 L/s/m²</td>
<td>15psf</td>
<td>±40psf</td>
<td>±80psf</td>
</tr>
</tbody>
</table>

Motor Details

- **WLS** (Not in moist environment)
  - Maximum sash weight: 80 lbs.

- **Manual with Pole** (Some moisture resistance)
  - Maximum sash weight: 140 lbs.

- **Marvel** (Limited moisture resistance)
  - Maximum sash weight: 90 lbs.

- **WindowMaster** (Highest moisture resistance)
  - Maximum sash weight: 90-450 lbs. dependent on model

(THERMAL BREAK)
WindowMaster Details

**Panels**
- Minimum panel width: approx. 2’ - 2’ 6”; smaller panels may be available upon engineering approval
- Panel size up to 6’ x 12”; larger panel options may be available depending on application

**Glazing**
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ³/₁₆” to 1⅛”

**Performance**
- Water performance up to 15psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 40psf
- Higher water and structural performance available with engineering approval

Learn More  To find out more about the features and options of our Operable Skylights, visit our website at solarinnovations.com/operable-skylights