Truly innovative solutions.

Operable Skylights provide the benefits of increased natural light and ventilation. With a variety of operation possibilities, including Venting, Retractable, and 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.

- Flat Retractable
- 90° Operable
- On-slope Retractable
- Ridge Retractable

**FINISH OPTIONS**

**Stock Finishes**
- SI White
- SI Bronze
- Class I Clear Anodized*
- Dark Bronze Anodized*

**Designer Finishes**
- SI Black
- SI Sandstone
- SI Natural Clay
- SI Hartford Green

**Metal Cladding**
- Copper
- Lead Coated Copper
- 304 Stainless Steel #4 Satin Cladding
- 304 Stainless Steel #8 Mirror Cladding

**Powder Coating Solids**
- Bone White
- Fashion Gray
- Colonial Gray
- Military Light Blue
- Burgundy
- Charcoal
- Champagne
- Cosmic Gray
- Light Bronze
- Copper

**Powder Coating Metallics**

**Faux Wood Finishes**

**Wood Veneering**

*Stock anodized finishes are available at an additional cost.

**Please Note:** Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All 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 matches, are available; contact a Solar Innovations® sales designer for details.
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 13/8”

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

G2 Multi-Panel Options

Head & Sill Details

Jamb Details
A 90° Operable Skylight lifts the glazed unit, or “lid,” 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 90° Operable Skylight fully opens, allowing for optimum amounts of ventilation.

At times, large equipment may need 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 90° Operable Skylight is an ideal solution. For those who enjoy stargazing, this skylight can also provide unobstructed views of the night sky.

### Product Overview

#### 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

### Air & Structure Impact Testing

<table>
<thead>
<tr>
<th>TYPE</th>
<th>PANEL SIZE</th>
<th>AIR INFILTRATION AT 1.57 PSF (35MPH)</th>
<th>WATER PENETRATION</th>
<th>DESIGN PRESSURE</th>
<th>UNIFORM LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>G2 90° Aluminum 2-Lite</td>
<td>72” H x 120” 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)
- **Manual with Pole** (Some moisture resistance)
- **Marvel** (Limited moisture resistance)
- **WindowMaster** (Highest moisture resistance)

- **Motor location**
  - Maximum sash weight: 80 lbs.
  - Maximum sash weight: 140 lbs.
  - Maximum sash weight: 90 lbs.
  - Maximum sash weight: 90-450 lbs. dependent on model
WindowMaster Details

Learn More

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