The name ACRALIGHT SOLAR represents more than 3 decades of design and manufacturing skills, and the dedication to take innovative daylighting solutions to a higher, more energy-efficient level. With unmatched expertise, and a solid commitment to quality and safety, ACRALIGHT SOLAR is the leading source for daylight harvesting solutions designed to maximize energy savings. ACRALIGHT SOLAR features cost-effective nationwide coverage made in the USA to better supply and service our customers.
Acralight Solar’s aluminum curb mounted or self-flashing skylight provides unsurpassed quality and performance for residential, commercial and industrial applications. Glazing options include clear, white, grey or bronze acrylic, white SkyTough UL 972 Listed glazing or impact modified prismatic acrylic.

Fixed model No. Example: 2246 A-S-CM-AW/AC-BP
2246 Fixed Aluminum frame Skylight-Curb Mount-Acrylic White over Acrylic Clear-Bronze Painted finish.

2246 Aluminum frame Operable skylight-Curb Mount-Acrylic White over Acrylic Clear-Bronze Painted finish.

Acralight Solar’s operable skylight available as a curb mounted or self-flashing unit provides all of the features of a standard fixed skylight with a lifting mechanism that opens the dome portion for ventilation and a standard insect screen. Available in manual and electric operation for residential, commercial and industrial applications.

Fixed model No. Example: 2246 A-G-CM-GC/GC-BP
2246 Aluminum frame Glass-Curb Mount-Glass Clear / over Glass Clear - Bronze Painted finish.

Model No. Example: Operable 2246 A-OP-CM-GC/GC-BP
(dual glazed insulated glass specified)
2246 Aluminum frame Operable Glass-Curb Mount-Glass Clear / over Glass Clear - Bronze Painted finish.

Glass Skylight
Curb Mounted or Self-flashing

Acralight Solar’s flat glass Skylight is available as a fixed or operable unit, curb mounted or self-flashing options available. The quality framing system is designed to be glazed with all types of glass including energy efficient glazing options. For residential, commercial and industrial applications.

Model No. Example: 2246 A-G-CM-GC/GC-BP
(dual glazed insulated glass specified)
2246 Aluminum frame Glass-Curb Mount-Glass Clear / over Glass Clear - Bronze Painted finish.

Model No. Example: Operable 2246 A-OP-CM-GC/GC-BP
(dual glazed insulated glass specified)
2246 Aluminum frame Operable Glass-Curb Mount-Glass Clear / over Glass Clear - Bronze Painted finish.

For other sizes please consult the factory.
Acralight Solar’s aluminum pyramid or hipped ridge skylight provides all of the features of a standard fixed skylight with a square pyramid or rectangular hipped ridge shape. Available with single or double glazing and as a curb mounted, or 4", 9" or 12" high self-flashing model with or without insulation.

Note: Finishes available for Thermally broken skylights are mill finish, clear or bronze anodized. Units are available glazed with glass. Contact Acralight Solar for available sizes.
# SkyArc Skylights

## SkyArc Skylight

Curb Mounted or Self-flashing

Acralight Solar’s innovative galvanized steel or aluminum curb mounted or self-flashing skylight features the Acralight SkyArc dome design which provides more light gathering surface area for superior light distribution combined with SkyTough glazing for exceptional impact strength. For commercial and industrial applications.

### SkyArc Design Options

- Capless dome shown on above details
- Capped dome required in colder climate zones
- Prismatic or Smooth non-prismatic domes
- Meets UL 972 Impact Test
- 20% more light gathering surface area

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ROUGH OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>4646</td>
<td>46 ¼&quot; x 46 ¼&quot;</td>
</tr>
<tr>
<td>4848</td>
<td>48&quot; x 48&quot;</td>
</tr>
<tr>
<td>6060</td>
<td>60&quot; x 60&quot;</td>
</tr>
</tbody>
</table>

### Model No. Example:

Model No. Example: 4896 A-SCL-CM-ST-MF


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## Louvered Skylight

Curb Mounted or Self-flashing

Acralight Solar's galvanized steel or aluminum louvered skylight features rain-resistant louver blades for ventilation. Available as a curb mounted or self-flashing unit with a standard dome or SkyArc with SkyTough glazing (see matrix for SkyArc sizes available) which provides superior light and exceptional impact strength.

### Model S (Steel) or A (Aluminum) - L3-CM (or SF) SQUARE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ROUGH OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1414</td>
<td>14 ¼&quot; x 14 ¼&quot;</td>
</tr>
<tr>
<td>1919</td>
<td>19&quot; x 19&quot;</td>
</tr>
<tr>
<td>2222</td>
<td>22 ¼&quot; x 22 ¼&quot;</td>
</tr>
<tr>
<td>3030</td>
<td>30 ¼&quot; x 30 ¼&quot;</td>
</tr>
<tr>
<td>3737</td>
<td>37&quot; x 37&quot;</td>
</tr>
<tr>
<td>4242</td>
<td>42&quot; x 42&quot;</td>
</tr>
<tr>
<td>4646</td>
<td>46 ¼&quot; x 46 ¼&quot;</td>
</tr>
</tbody>
</table>

### MODEL NO. EXAMPLE:

Model No. Example: 4896 A-S-L3-CM-ST-MF


Add RD for Rain Defenders, IS for Insect Screens, BS for Bird Screens, DS for Dust Screens

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www.acralightsolar.com
Smoke Vents with SkyArc

Smoke Vent with SkyArc
Curb Mounted or Self-flashing or Louvered Base

Acralight Solar’s Non-Listed galvanized steel or aluminum smoke and heat vent features SkyArc capless dome design formed with Sky-Tough glazing for impact resistance. Units are equipped with a UL Listed and FM Approved fusible link and are available with an inside and/or outside manual release handle. Available as curb mounted, self-flashing, or louvered base models.

**MODEL SV-CM (Non-louvered) or SV-L3-CM (Louvered)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ROUGH OPENING</th>
<th>FREE AREA (Louvered model)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4848</td>
<td>48” x 48”</td>
<td>6 SF</td>
</tr>
<tr>
<td>3775</td>
<td>37” x 75”</td>
<td>7 SF</td>
</tr>
<tr>
<td>4669</td>
<td>46 ½” x 69 ½”</td>
<td>8 SF</td>
</tr>
<tr>
<td>4689</td>
<td>46 ¼” x 69 ½”</td>
<td>9 SF</td>
</tr>
<tr>
<td>4896</td>
<td>48” x 96”</td>
<td>9 SF*</td>
</tr>
</tbody>
</table>

* Model 4896 available with 12 SF of Free Air - use SV-L4 designation.

Model SV-CM (Curb mounted) or SF (Self-flashing) Non-louvered
Model SV-L3-CM (Curb mounted) or SF (Self-flashing) Louvered

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Dual-Lid 10PSF Smoke Vent
Curb Mounted or Self-flashing or Louvered Base

Acralight Solar’s galvanized steel or aluminum smoke and heat vent features a SkyArc capless dome design formed with Sky-Tough glazing for impact resistance. Units are equipped with a UL Listed and FM Approved fusible link, tested to ICC 15-7 and available with an inside and/or outside manual release. Available as a curb mount, self-flashing, louvered base or metal lid models.

**MODEL SV2D-CM (Non-louvered) or SV2D-L3-CM (Louvered)**

| MODEL NO: 4896-S-SV2D-CM-ST-MF-OR | 48” x 96” | 12 SF |

* Model 4896 available with 12 SF of Free Air - use SV-L4 designation.

Note: All models available in Curb Mounted or Self-flashing
Note: Add IR to Model for an inside release or OR for an outside release

Model SV2D-CM (Curb Mounted) or SF (Self-flashing) Non-louvered
Model SV2D-L3-CM (Curb Mounted) or SF (Self-flashing) Louvered

---

Model No. Example: 4896-S-SV2D-CM-ST-MF-OR
48” x 96” galvanized Steel frame Smoke Vent Curb Mounted Sky-Tough glazing Mill Finish Outside Manual Release

Model No. Example: 4896-S-SV2D-L3-CM-ST-MF-OR
48” x 96” galvanized Steel frame Smoke Vent Dual lid Curb Mounted Sky-Tough glazing Mill Finish Outside Manual Release

Model No. Example: 4896-S-SV2D-CM-ST-MF-OR
48” x 96” galvanized Steel frame Smoke Vent Curb Mounted Sky-Tough glazing Mill Finish Outside Manual Release

Model No. Example: 4896-S-SV2D-L3-CM-ST-MF-OR
48” x 96” galvanized Steel frame Smoke Vent Dual lid Curb Mounted Sky-Tough glazing Mill Finish Outside Manual Release
Acralight Solar’s UL Listed mechanical smoke vent is tested to the requirements of the UL 793 Standard. Options include curb mount or self-flashing, domed lids for natural daylighting, insulated metal lids, and louvered bases for natural ventilation. Galvanized steel or aluminum construction, SkyArc domes in SkyTough UL 972 Listed glazing, with smooth or prismatic lenses. Listed units from 10 psf to 30 psf live loads. Features a UL/FM fusible link, outside and/or inside manual release.

Acralight Solar offers a wide selection of UL Listed drop-out smoke and heat vents, tested to the rigorous requirements of the UL 793 Standard. Features an aluminum frame and standard smooth domes or prismatic domes, with options for either curb mounted or self-flashing. For optimum safety, add an optional OSHA compliant fall-protection screen Model FPS.

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**Listed Double Lid Smoke Vent**

Curb Mounted or Self-flashing or UL Listed Louvered Base

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**Drop-out Heat and Smoke Vent**

Curb Mounted or Self-flashing

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**Model No. Example:** 4896 S-ULSV2D-CM-ST-MF-OR

4896 Galvanized Steel frame-UL Listed Smoke Vent-Dual Lid-Curb Mount-Sky-Tough-Mill Finish Outside Release
Acralight Solar’s galvanized steel or aluminum roof access hatch is designed for safety and reliability. Standard model provides an extended cap flashing, pre-punched to receive a safety railing system or AcraGrab safety feature. Unique cross-broken lid design to eliminate ponding water. Standard 12” high self-flashing curb with wood nailer and a Federal Safety Red high gloss finish. Add an optional SkyTough dome in the lid for natural daylighting in the ladder well.

<table>
<thead>
<tr>
<th>MODEL S-RH GALVANIZED (STEEL) or A-RH (ALUMINUM)</th>
<th>MODEL S-RH4-CM GALVANIZED (STEEL) or A-RH4-CM (ALUMINUM)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MODEL</strong></td>
<td><strong>ROUGH OPENING</strong></td>
</tr>
<tr>
<td>3030</td>
<td>30” x 30”</td>
</tr>
<tr>
<td>3036</td>
<td>30” x 36”</td>
</tr>
<tr>
<td>3054</td>
<td>30” x 54”</td>
</tr>
<tr>
<td>3096</td>
<td>30” x 96”</td>
</tr>
</tbody>
</table>

Railing System
OSHA Compliant roof hatch railing systems to protect the opening when the hatch is in the open position. Standard and custom sizes available.

AcraGrab
Provides a safer means of exiting or entering the roof hatch with a secure, permanently mounted 30” high handle.

Options available: Dome in lid
Standard finish is Federal Safety Red. For primer only and other finishes please contact Acralight Solar Skylights.

Curb mounted units and custom sizes are available. Combination units with steel curbs and aluminum lids are available. Please contact Acralight Solar Skylights.

Model No. Example: 3036-S-RH4-CM
30” x 36” Galvanized Steel-Roof-Hatch with 4” high Curb-Mounted base

Model No. Example: 3036-A-RH4-CM
30” x 36” Aluminum-Roof-Hatch with 4” high Curb-Mounted base
Acralight Solar’s AcraGuard™ skylight fall-protection screens meet the intent of the OSHA fall-protection standard and are designed for installation on new skylights or to retrofit onto all existing skylights with our engineered mounting system. Galvanized steel construction standard with an optional white powder coat finish. Standard and custom sizes are available.

**SKYLIGHT FALL PROTECTION SCREENS**

Model No. Example: 4896 FPS
4896 AcraGuard Galvanized Steel Fall-Protection Screen

**AcraGuard**

**STEEL BURGLAR/SECURITY BARS***

Model No. Example: 4896 BB-WP (Select BB11, BB22 or BB33 for Bar Spacing)
4896 Burglar Bar White Painted finish

*Finished with a white powder coat paint.

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**GLAZING PERFORMANCE FOR UNIT SKYLIGHTS**

<table>
<thead>
<tr>
<th></th>
<th>SINGLE DOME</th>
<th></th>
<th>DOUBLE DOME</th>
<th></th>
<th>TRIPLE DOME</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U FACT</td>
<td>SHGC</td>
<td>VLT</td>
<td>U FACT</td>
<td>SHGC</td>
<td>VLT</td>
</tr>
<tr>
<td>SkyTough</td>
<td>0.80</td>
<td>0.58</td>
<td>60%</td>
<td>0.50</td>
<td>0.50</td>
<td>55%</td>
</tr>
<tr>
<td>White Prismatic</td>
<td>0.80</td>
<td>0.55</td>
<td>84%</td>
<td>0.50</td>
<td>0.50</td>
<td>70%</td>
</tr>
<tr>
<td>Clear Prismatic</td>
<td>0.80</td>
<td>0.94</td>
<td>96%</td>
<td>0.50</td>
<td>0.90</td>
<td>94%</td>
</tr>
<tr>
<td>High White Acrylic</td>
<td>0.80</td>
<td>0.67</td>
<td>82%</td>
<td>0.50</td>
<td>0.63</td>
<td>75%</td>
</tr>
<tr>
<td>Medium White Acrylic</td>
<td>0.80</td>
<td>0.55</td>
<td>53%</td>
<td>0.50</td>
<td>0.50</td>
<td>49%</td>
</tr>
<tr>
<td>Clear Acrylic</td>
<td>0.80</td>
<td>0.87</td>
<td>95%</td>
<td>0.50</td>
<td>0.84</td>
<td>92%</td>
</tr>
<tr>
<td>Bronze Acrylic</td>
<td>0.80</td>
<td>0.50</td>
<td>27%</td>
<td>0.50</td>
<td>0.46</td>
<td>25%</td>
</tr>
<tr>
<td>Gray Acrylic</td>
<td>0.80</td>
<td>0.44</td>
<td>27%</td>
<td>0.50</td>
<td>0.40</td>
<td>25%</td>
</tr>
<tr>
<td>AcraStar XL Plus -IR</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>0.45</td>
<td>0.26</td>
<td>38%</td>
</tr>
</tbody>
</table>

25mm

PolyStar HP | 0.28       | 0.22         | 40%         | 0.19       | 0.21         | 26%         | 0.16       | 0.19         | 24%         | 32mm

Note: U-Factor Values are for Summer Heat Gain. Above values may vary depending on dome configuration and material thickness.

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**WARNING:** Skylights manufactured by Acralight Solar are designed to meet code requirements. They are not intended to withstand human impact or falling objects and should not be walked on.

**DISCLAIMER:** To facilitate Acralight Solar’s commitment for continued product improvements, designs and specifications are subject to change without notice.

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