Residential skylights

Bringing light to life.
SUN TUNNEL™ skylights are a great way to bring natural light into areas where a window may be impractical.

The Solar Powered “Fresh Air” Skylight features a solar panel that charges an internal battery and control system. The skylight is remote controlled and solar powered, which means it requires no additional wiring, making for easy and cost effective installation. An integrated rain sensor closes the unit in case of rain and it is a No Leak Skylight, with our 3 layers of water protection, covered by our 10-year installation warranty.

Roof windows are perfect for upper floor bonus rooms where they will be within reach for easy opening. Features include a sash that rotates inward for easy cleaning from the inside and a ventilation flap that allows for fresh air circulation when the window is closed.

The flat glass, low profile SUN TUNNEL™ skylight creates a sleek look on any roofline and is perfect for those developments where local ordinances do not allow domed skylights.

The electric “Fresh Air” models feature pre-mounted Pick&Click™ system brackets, making installation of sunscreen blinds a snap. A single hard wire connects to a standard junction box.

The manual “Fresh Air” skylights open and close using a control rod that operates a smooth turning handle when the skylight is out of reach.

Our fixed skylights feature a pre-finished white wood frame and protective aluminum or copper cladding. The streamlined exterior profile does not obstruct your roofline.

Eligible for a 30% Federal tax credit. Reap an average of $850* on product and installation with federal tax credit eligibility.
Room darkening - double pleated blinds

The logical choice for any skylight installation

Consider just a fixed skylight?
Upgrade from a fixed skylight to a Solar Powered “Fresh Air” Skylight with all the features for around $100 after tax credit eligibility!* (the only blind that offers blackout, privacy and insulation all-in-one).

Consider just a fresh air skylight?
Upgrade from a manual “Fresh Air” skylight to a Solar Powered “Fresh Air” Skylight with all the features for around $140 after tax credit eligibility!*

See how easy it is to add daylight and fresh air. With a 30% federal tax credit, homeowners will receive an average of $850* on product and installation with federal tax credit eligibility.

Eligible for a 30% Federal tax credit
Receive an average of $850* on product and installation with federal tax credit eligibility.

Room darkening - double pleated blinds
Clean, Quiet & Safe glass

- Clean: Soft Touch® glaze coating to keep you home more energy efficient with VELUX room darkening - double pleated blinds. The blackout cloth with honeycomb structure and an aluminum coating inside improves the insulation effect of the window as well as the indoor climate all year round. The sleek design with neat pleats makes it an attractive blind for any room.
- Quiet: Outdoor ventilation reduces noise up to 25% less than a standard double pane glass and up to 50% less than a plastic skylight.
- Safe: VELUX recommends and building codes require laminated glass for out of reach applications.

Intelligent touch remote control powered by VELUX INTEGRA®

- Reduce unwanted outside noise by up to 25% less than a standard double pane glass, and up to 50% less than a plastic skylight.
- Features Neat® glass coating to keep your skylight cleaner longer, leaving skylights virtually spotless.

* For more information visit: veluxusa.com/taxcredits

Colors

- 1045 White
- 1155 Beige
- 1157 Green
- 1158 Grey
- 1047 Charcoal
- 1049 Golden beige
- 1159 Brown
- 1156 Blue
- 1051 Raspberry
- 1160 Yellow
- 1161 Orange
- 1162 Cherise
Choosing the right glass

Clean, Quiet & Safe glass - Recommended for out of reach applications

Clean

Silicon dioxide makes Neat® glass exceptionally smooth. In fact, it’s much smoother than ordinary glass. So water disperses evenly, “sheets off” and evaporates quickly, greatly reducing water spotting.

Titanium dioxide reacts chemically with the sun’s UV rays, causing organic materials that are on the glass to decompose. It works even on cloudy days, as 80 percent of UV radiation gets through cloud cover. Then when it rains, the decomposed dirt is rinsed away, leaving the glass almost spotless. Result? Homeowners can spend less time washing windows and more time enjoying the view.

When Neat® is applied to LoE glass, it combines the ultimate in low maintenance with the best energy-conserving LoE glass on the planet. So homes stay warmer in winter, cooler in summer. Neat® LoE conserves energy year-round, too, saving homeowners up to 25 percent annually.

Ordinary glass: Water beads higher on rough surface of ordinary glass, causing more spots and greater cleaning needs.

Neat® glass: The smooth surface disperses water evenly, removing dirt more quickly and reducing water spots.

Clean, Quiet & Safe glass also available in the following options:
- Impact (xx06)
- Miami-Dade (xx07)
- White laminated (xx08)
- Snowload (xx10)

Quiet

Reduce unwanted outside noise by up to 25% less than a standard double pane glass, and up to 50% less than a plastic skylight

Safe

VELUX recommends and building codes require laminated glass for out of reach applications

10-year hail breakage warranty

For complete information visit veluxusa.com

Choosing the right glass

Tempered glass - Recommended for in reach applications

Tempered glass

If your skylight is within reach, our tempered glass consists of a dual pane, triple-coated with LoE3, dual-sealed and injected with argon gas. This provides excellent energy efficiency and thermal performance for year-round comfort.

Clean, Quiet & Safe glass (xx05) - Dual pane laminated glass

Standard on VSS, VCS, VSE, VCD skylights

Clean, Quiet & Safe glass also available in the following options:
- Impact (xx06)
- Miami-Dade (xx07)
- White laminated (xx08)
- Snowload (xx10)

Dual pane tempered glass

ENERGY STAR®

Use of ENERGY STAR® products

One of the most straightforward ways to meet the energy codes as a builder or architect, while still designing bright, airy buildings, is to use ENERGY STAR® certified products.

Most VELUX products are ENERGY STAR® certified in all 50 states, which means that they meet strict energy efficiency standards set by the Environmental Protection Agency (EPA). ENERGY STAR® fenestration products must have their U-factor, Visible Transmittance, and Solar Heat Gain Coefficient tested and certified by the National Fenestration Rating Council (NFRC) in order to qualify.

By specifying or using ENERGY STAR® products, architects and builders can use more windows and skylights, to bring much needed daylight and fresh air inside. Create more attractive buildings and more livable spaces while still meeting the local energy codes economically.

In warmer climates, there is great potential for lighting energy savings using emerging control technologies in combination with more effective daylighting products like VELUX skylights and SUN TUNNEL™ skylights.

Visit: energystar.gov for more information.
Solar Powered “Fresh Air” Skylights

Deck mounted - VSS
Curb mounted - VCS

Solar Powered “Fresh Air” Skylights

The Blind: 4571 Blackout blind

(2) VSS M06 Solar Powered “Fresh Air” Skylight

For more information visit: veluxusa.com/whyskylights

No Worries
No Leak Promise

Clean, Quiet & Safe glass

- Factory installed blinds are available to include (Solar powered) operation of use.
- Skylight comes standard with own independent, built-in solar panel and power supply.
- In-stock room darkening - double pleated blinds (Solar powered)
- In-stock light filtering - single pleated blinds (Solar powered)
- Includes touch remote control powered by VELUX INTEGRA®.
- Included with your skylight is the intelligent touch remote control powered by VELUX INTEGRA®
- Comes with pre-programmed settings for ease of use.

*Federal tax credit on solar powered blinds*

*For more information visit: veluxusa.com/taxcredits

Special order blinds

New Room darkening - double pleated blinds
Solar powered

New Light filtering - single pleated blinds
Solar powered

Blackout blinds-flat (cont.)

Light filtering blinds-flat
Solar powered

Blackout blinds-flat
Solar powered

Note: Special order blinds ship separately from your skylight. Please allow 2 weeks for delivery.

Factory installed blinds:

- Includes with your skylight is the intelligent touch remote control powered by VELUX INTEGRA®.
- Comes with pre-programmed settings for ease of use.

Clean, Quiet & Safe glass:

All VSS and VCS Skylights come standard with Clean, Quiet & Safe glass.

Intelligent touch remote control:

Included with your skylight is the intelligent touch remote control powered by VELUX INTEGRA®.
Solar Powered “Fresh Air” Skylights

- Deck mounted - VSS
- Curb mounted - VCS

Benefits:

- With a 30% federal tax credit, homeowners will receive an average of $850* with federal tax credit eligibility, which makes this product very affordable.
- Features a solar panel that captures any available daylight to recharge a highly efficient, fully concealed battery powered operator and control system.
- Replace a fixed or manual skylight easily because no wiring is required.
- Available in deck and curb mounted applications.

*For more information visit: veluxusa.com/taxcredits

<table>
<thead>
<tr>
<th>Model VSS</th>
<th>14° - 35°</th>
<th>3:12 - 137:12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough opening</td>
<td>(W-in. x H-in.)</td>
<td>21 x 26 7⁄8</td>
</tr>
<tr>
<td>C01</td>
<td>C04</td>
<td>C06</td>
</tr>
<tr>
<td>14° - 85°</td>
<td>3:12 - 137:12</td>
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<table>
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<th>Model VCS</th>
<th>0° - 60°</th>
<th>0:12 - 20:12</th>
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</thead>
<tbody>
<tr>
<td>Outside curb</td>
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<td>25 1⁄2 x 25 1⁄2</td>
</tr>
<tr>
<td>2222</td>
<td>2234</td>
<td>2246</td>
</tr>
</tbody>
</table>

For complete information visit thenoleakskylight.com

VELUX flashing required.

Blind: 3007 Blackout blind

For more information visit veluxusa.com/taxcredits

Please reference the price list for a full description of all sizes and glass options.

veluxusa.com whyskylights.com
Electric “Fresh Air” skylights

**Deck mounted - VSE**

**Curb mounted - VCE**

**No Worries No Leak Promise**

**Skylight No Leak**

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**Special order blinds**

**New Room darkening - double pleated blinds**

**Color powered**

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>Pattern</th>
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<tr>
<td>Dark purple</td>
<td>4563</td>
<td></td>
</tr>
<tr>
<td>Light blue</td>
<td>4562</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>4561</td>
<td></td>
</tr>
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</table>

**New Light filtering - single pleated blinds**

**Color powered**

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
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<tr>
<td>Orange</td>
<td>4565</td>
<td></td>
</tr>
<tr>
<td>Chocolate</td>
<td>4566</td>
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</tr>
</tbody>
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**Blackout blinds - flat**

**Color powered**

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>4560</td>
</tr>
</tbody>
</table>

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**Light filtering blinds - flat**

**Color powered**

<table>
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<tr>
<th>Color</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Grey</td>
<td>4567</td>
</tr>
</tbody>
</table>

---

**Factory installed blinds**

- **In-stock room darkening - double pleated blinds** *(Solar powered)*
- **In-stock light filtering - single pleated blinds** *(Solar powered)*

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**Intelligent touch remote control**

Included with your skylight is the intelligent touch remote control powered by VELUX INTEGRA®. Comes with pre-programmed settings for ease of use.

*For more information visit: veluxusa.com/taxcredits*
Electric "Fresh Air" skylights

- **Deck mounted - VSE**
- **Curb mounted - VCE**

**Benefits:**
- A pre-installed concealed motor and control system powered by VELUX INTEGRA® allows you to enjoy the one-touch convenience of a remote control.
- With the integrated rain sensor, electric skylights will close automatically in case of inclement weather.
- Pre-mounted Pick&Click™ system brackets make the installation of sunscreen blinds a snap.
- Factory pre-finished white frames and sashes provide a high quality finish that eliminates the need for secondary, high cost trips by a painter.

**M04**

- **Model VSE**
  - **Rough opening (W-in. x H-in.)**
    - 21 x 26 7⁄8
    - 21 x 37 7⁄8
    - 21 x 45 3⁄4
    - 21 x 54 7⁄16
    - 30 1⁄16 x 37 7⁄8
    - 30 1⁄16 x 45 3⁄4
    - 30 1⁄16 x 54 7⁄16
    - 30 1⁄16 x 62 7⁄8
    - 44 1⁄2 x 26 7⁄8
    - 44 1⁄2 x 37 7⁄8
    - 44 1⁄2 x 45 3⁄4
    - 44 1⁄2 x 54 7⁄16
    - 44 1⁄2 x 62 7⁄8

- **Model VCE**
  - **Outside curb (W-in. x H-in.)**
    - 25 1⁄2 x 25 1⁄2
    - 25 1⁄2 x 37 1⁄2
    - 25 1⁄2 x 49 1⁄2
    - 33 1⁄2 x 33 1⁄2
    - 33 1⁄2 x 49 1⁄2
    - 37 1⁄2 x 37 1⁄2
    - 49 1⁄2 x 49 1⁄2

Please reference the price list for a full description of all sizes and glass options.
Manual “Fresh Air” skylights

Curb mounted - VCM
Deck mounted - VS

No Worries
No Leak Promise
Skylight No Leak

The Blind: 3001 Blackout blind

(2) VCM 3046 Manual “Fresh Air” skylight

Snowy white
Sunny yellow
Golden beige
Dark brown
Solar powered
New Light filtering - single pleated blinds
Blackout blinds-flat (solar powered)

Special order blinds

New Room darkening - double pleated blinds
Solar powered

New Light filtering - single pleated blinds
Solar powered

Blackout blinds-flat (solar powered)

Light filtering blinds-flat (solar powered)

Factory installed blinds:
The factory installed blinds are available to include in the purchase of your skylight. The solar powered blind gets its own independent, built-in solar panel and power system.
In-stock room darkening - double pleated blinds (Solar powered)

For more information visit: veluxusa.com/taxcredits

Note: Special order blinds ship separately from your skylight. Please allow 2 weeks for delivery.

In-stock venetian blind (VS only)

(Avoided by solar powered)

Convenient manual control
A control rod can be used when skylights are out of reach.

Federal tax credit on solar powered blinds*
Manual “Fresh Air” skylights

Deck mounted - VS
Curb mounted - VCM

Benefits:
• Factory pre-finished white frames and sashes provide a high quality finish that eliminates the need for secondary, high cost trips by a painter.
• Opens and closes manually with VELUX control rods when out of reach.
• Smooth turning handle for when the skylight is installed within reach. (SOLD SEPARATELY)
• Pre-mounted Pick&Click™ system brackets make the installation of sunscreen blinds a snap.

No Leak Warranty
For complete information visit thenoleakskylight.com
VELUX flashing required.

65 Over 65 special order blinds available Pages 28-32

Model VS

<table>
<thead>
<tr>
<th>Model</th>
<th>C01</th>
<th>C04</th>
<th>C06</th>
<th>C08</th>
<th>M02</th>
<th>M04</th>
<th>M06</th>
<th>M08</th>
<th>S01</th>
<th>S06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough opening</td>
<td>21 x 26 5/8</td>
<td>25 x 37 5/8</td>
<td>21 x 45 5/8</td>
<td>25 x 45 5/8</td>
<td>30 x 37 5/8</td>
<td>30 x 45 5/8</td>
<td>30 x 54 5/8</td>
<td>44 1/4 x 26 5/8</td>
<td>44 1/4 x 54 5/8</td>
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Outside curb

<table>
<thead>
<tr>
<th>Model</th>
<th>VS</th>
<th>C01</th>
<th>C04</th>
<th>C06</th>
<th>C08</th>
<th>M02</th>
<th>M04</th>
<th>M06</th>
<th>M08</th>
<th>S01</th>
<th>S06</th>
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<tbody>
<tr>
<td>14° - 60°</td>
<td>2222</td>
<td>2222</td>
<td>2246</td>
<td>2246</td>
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<td>3030</td>
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<td>3434</td>
<td>3434</td>
<td>3434</td>
<td>4646</td>
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</table>

Please reference the price list for a full description of all sizes and glass options.

veluxusa.com  whyskylights.com

0° - 60° | 0 1/2 - 30 1/2

Please reference the price list for a full description of all sizes and glass options.
Fixed skylights

Curb mounted - FCM
Deck mounted - FS/FSR

No Leak Promise

The (3) FS M06 Fixed skylights

Snowy white
Sunny yellow

Solar powered or manual
New Light filtering - single pleated blinds
Blackout blinds-flat (solar / manual)
Light filtering blinds-flat

Golden beige
Blackout blinds-flat

New Room darkening - double pleated blinds

Solar powered or manual
New Room darkening - double pleated blinds

Special order blinds

For more information visit: veluxusa.com/taxcredits

Note: Special order blinds ship separately from your skylight. Please allow 2 weeks for delivery.
Fixed skylights

Deck mounted - FS
Deck mounted replacement skylight series - FSR

Benefits:

• Pre-finished white wood frame and protective aluminum or copper cladding.

• Integrated gaskets drain condensation to the outside.

• Streamlined exterior profile does not obstruct your roofline.

• Pre-mounted Pick&Click™ system brackets make the installation of sunscreen blinds a snap.

The elimination of the drywall groove in this series allows for greater installation flexibility and more positioning options when replacing existing skylights.

Note: In general, the FSR allows a finished opening variance of 2-in. on the width and height for an ideal fit where the front of the drywall will be under the white skylight frame.

An additional 2-in. in width and height variance will allow the skylight to fit the opening, but additional trim will be required.

Model FS sizes D26 and D06 fit perfectly between roof trusses.

Note: Please reference the price list for a full description of all sizes and glass options.

For complete information visit thenoleakskylight.com

VELUX flashing required.
**Fixed skylights**

**Curb mounted - FCM**

<table>
<thead>
<tr>
<th>Model</th>
<th>Outside curb</th>
<th>Make size (W-in. x L-in.)</th>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>FMC 2222</td>
<td>1430</td>
<td>17 1/2 x 33 1/2</td>
<td>Now delivered in 12 days or less</td>
<td>Now delivered in 20 days or less</td>
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<tr>
<td>FMC 2230</td>
<td>1446</td>
<td>17 1/2 x 49 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMC 2234</td>
<td>2222</td>
<td>25 1/2 x 25 1/2</td>
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<td></td>
</tr>
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<td>FMC 2246</td>
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<td>FMC 2270</td>
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<td>FMC 3030</td>
<td>2246</td>
<td>25 1/2 x 49 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMC 3046</td>
<td>2270</td>
<td>25 1/2 x 73 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMC 3434</td>
<td>3030</td>
<td>33 1/2 x 37 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMC 3446</td>
<td>3046</td>
<td>33 1/2 x 49 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMC 4646</td>
<td>3434</td>
<td>37 1/2 x 49 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMC 4646</td>
<td>3446</td>
<td>37 1/2 x 49 1/2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Benefits:**

- Integrated gaskets drain condensation to the outside.
- Streamlined exterior profile does not obstruct your roofline.
- A sunscreen accessory tray for standard site-built curbs allows for installation of VELUX Pick&Click™ blinds.

**Custom size fixed curb mounted skylights - Custom FCM**

**Model FCM**

<table>
<thead>
<tr>
<th>Outside curb (W-in. x H-in.)</th>
<th>Make size (W-in. x L-in.)</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° - 60°</td>
<td>0 1/2 - 10 1/2</td>
<td>Now delivered in 12 days or less</td>
<td>Now delivered in 20 days or less</td>
</tr>
<tr>
<td>0° - 60°</td>
<td>0 1/2 - 10 1/2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please call for pricing and availability: 1-800-888-3589

For complete information visit thenoleakskylight.com

VELUX flashing required.

Please reference the price list for a full description of all sizes and glass options.
Self-flashed skylight

Self-flashed - OFF

Blind: 2055 Blackout blind
(1) FS S06 Fixed skylight
(2) FS M06 skylights
Self-flashed - QPF
veluxusa.com whyskylights.com

Snowy white
Sunny yellow
Golden beige
Dark brown
Solar powered or manual
Blackout blinds-flat
Special order blinds

Blue
Classic white
Sunny blue
Constructivists
Luscious lime

CH00
PA00
FH00
FS00

Quality construction
Pre-assembled sliding or tip-down design for use with roofing Poland based installation.

10% Federal US credit for solar power blinds*
20% Credit for electrically powered blinds.

* For more information visit: veluxusa.com/taxcredits
Self-flashed skylight

• Pre-finished white wood frame and protective aluminum exterior.
• Integrated gaskets drain condensation to the outside.
• Streamlined exterior profile does not obstruct your roofline.
• Pre-mounted Pick&Click!™ system brackets make the installation of sunscreen blinds a snap.

Benefits:

Please reference the price list for a full description of all sizes and glass options.

<table>
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<tr>
<th>Model QPF</th>
<th>Outside curb (W-in. x H-in.)</th>
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<tr>
<td>2222</td>
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<tr>
<td>2230</td>
<td>22 1/2 x 30 1/2</td>
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<td>2246</td>
<td>22 1/2 x 46 1/2</td>
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<tr>
<td>3030</td>
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<td>4646</td>
<td>46 1/2 x 46 1/2</td>
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</table>

65 Over 65 special order blinds available Pages 29-30
Special order blinds

Room darkening - double pleated blinds

- Double pleated blinds
  Blackout cloth with honeycomb structure.
- Energy efficient
  Aluminum coating inside improves the insulation effect.
- Sleek design
  Neat pleats.
- Easy installation
  Installs in minutes with VELUX Pick&Click™ system.
- Solar powered or manual

<table>
<thead>
<tr>
<th>Authentic</th>
<th>Basics</th>
<th>Dynamics</th>
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<tbody>
<tr>
<td>1049 Gold</td>
<td>1159 Brown</td>
<td>1156 Blue</td>
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<tr>
<td>1051 Raspberry</td>
<td>1162 Cherise</td>
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</table>

Solar powered or manual blinds:

<table>
<thead>
<tr>
<th>Authentic</th>
<th>Basics</th>
<th>Dynamics</th>
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<tbody>
<tr>
<td>1160 Yellow</td>
<td>1161 Orange</td>
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</tbody>
</table>

Federal tax credit on solar powered blinds:

30%

Available in room darkening - double pleated blinds, blackout blinds, light filtering - single pleated blinds, and light filtering blinds.

Note: Special order blinds ship separately from your skylight. Please allow 2 weeks for delivery.

*For more information visit: veluxusa.com/taxcredits

veluxusa.com whyskylights.com
Special order blinds

Light filtering - single pleat blinds

- Colorful light effects
  Softens incoming light.

- Solar powered or manual

Blackout blinds - flat

- Blackout 24/7
  Blackout even when the sun is shining.

Solar powered or manual

Light filtering blinds - flat

- Basic privacy
  Offers both protection and good looks.

Solar powered or manual

Venetian blinds

- Complete light control
  Control amount and direction of incoming light and shadows.

Manual only

Federal tax credit on solar powered blinds* is available in most states.* District of Columbia, New Hampshire.

Available in room-darkening - double-pleated blinds, blackout blinds, light filtering - single-pleated blinds and flat filtering blinds.

Note: Special order blinds ship separately from your skylight. Please allow 2 weeks for delivery.

*For more information visit: veluxusa.com/taxcredits

veluxusa.com whyskylights.com
Special order blinds

New Room darkening - double pleated blinds

Roof windows

Top hinged roof window - GPU
Center-pivot roof window - GGU

Benefits:
• Enjoy panoramic views while increasing your energy efficiency and natural ventilation.
• Greatly increase the amount of natural light in your rooms.
• Convenient bottom operation - the perfect choice for loft conversions with windows in easy reach.
• GGU roof windows are only available for special order.
• Convenient - even with furniture placed beneath the roof window.
• Easy to open and quick to close with the top control bar.
• Low installation allows for more flexibility and better views.

Please reference the price list for a full description of all sizes and glass options.

veluxusa.com  whyskylights.com
Roof access window - GXU

Benefits:

• Easy roof access for repairs, maintenance, emergency and egress (FK06).
• Locking device keeps sash in open position.
• Slim sash and frame appearance.
• Ventilation flap.
• Can be installed as a left hinged or right hinged roof access window.
• Pre-installed Pick&Click™ brackets for easy blind installation.

Size code GXU

<table>
<thead>
<tr>
<th>Rough opening (W x H in.)</th>
<th>CK06</th>
<th>FK06</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 x 46</td>
<td>26 x 46</td>
<td></td>
</tr>
</tbody>
</table>

Please refer to the price list for a full description of all sizes and glass options.
Balcony roof window

Deck mounted - GDL CABRIO™

Benefits:

• Dual-sash operation.
• Features a select wood frame with a clear finish sash coating and exterior aluminum.

Please reference the price list for a full description of all sizes and glass options.

PK19

Rough opening (W-in. x H-in.)

39 3⁄8 x 101
10-year installation warranty

Deck mounted - 3 layers of protection

1. Deck seal
   The pre-attached deck seal on all deck mounted skylights provides a seal between the frame and roof deck for a leak-proof installation.

2. Adhesive underlayment
   Adhesive underlayment for secondary water protection against the harshest weather conditions.

3. Flashing
   Engineered flashing for easy installation and primary water protection.
   
   VELUX flashing must be purchased in order to qualify for the 10-year installation warranty.

Curb mounted - 3 layers of protection

1. Pre-attached gasket
   A pre-attached skylight gasket provides a seal between a standard site-built curb and the skylight that caps off a leak-proof installation for curb mounted skylights.

2. Adhesive underlayment
   Adhesive underlayment for secondary water protection against the harshest weather conditions for standard site-built curbs.

3. Flashing
   Engineered flashing for easy installation and primary water protection.
   
   ECL shingle or ECW tile flashing must be purchased in order to qualify for the 10-year installation warranty.

For complete information visit thenoleakskylight.com.
Deck mounted flashing systems

Flashing must be purchased with skylights and installed properly to benefit from the No Leak warranty.

Shingles/shakes - EDL
- Step flashing pieces interweave with roofing material for proper water drainage.
- Additional step pieces (ZZZ 200) are required for shakes and other thick roofing materials.

Note: Adhesive underlayment included in flashing kit.

Tile roofing - EDW
- Patented sill flashing features pliable pleats that form to most types of tile.
- Side and head flashing pieces form a gutter to direct water away from the skylight.

Note: Not available for VSS.

Copper cladding and flashing
- Available for select deck mounted VELUX roof windows and skylights.
- Copper products are special order items and require varying lead-times. Call for more information.

Metal roofing - EDM
- Flashing pieces interlock with roofing material for a fast weather tight installation.
- Sill apron features pliable pleats that form to the roof.

Combi applications*
- Type EKL works with groupings on low-profile roofing materials such as shingles and shakes.
- Type EKW works with groupings on high-profile roofing materials such as Spanish tile or corrugated metal roofing.

Note: VSS only available for side-by-side applications.

Biepack flashing - ECB
- Used with site-built curb on low-sloped roofs.
- No bending of flashing required.
- Applied to 2-in. x 4-in. lumber and plywood.
- Download curb construction guidelines at: www.veluxusa.com

Copper cladding and flashing
- Available for select deck mounted VELUX roof windows and skylights.
- Copper products are special order items and require varying lead-times. Call for more information.

*EKL applications require 4-in. over-and-under spacing and 2.5-in. - 12-in. side-by-side spacing in 1/4-in. increments.

EKW applications require 4-in. over-and-under and side by side.

Roof window combi application is available as a special order with varying lead-times. 4-in. spacing is required for both over-and-under and side-by-side spacing.

Shingles/shakes - ECL
- Step flashing pieces interweave with roofing material for proper water drainage.
- Additional step pieces (ZZZ 200) are required for shakes and other thick roofing materials.

Note: Adhesive underlayment included in flashing kit.

Tile roofing - ECW
- Patented sill flashing features pliable pleats that form to most types of tile.
- Side and head flashing pieces form a gutter to direct water away from the skylight.

Note: Not available for VSS.

veluxusa.com  whyskylights.com  43
Accessories for all your skylight conveniences

Intelligent touch remote control (KLR 200)

Included with your solar or electric skylight is the Intelligent touch remote control powered by VELUX INTEGRA®. With the touch-sensitive screen and intuitive icons, programming skylights has become simpler than ever. Size: 3 11/16-in. x 3 11/16-in.

Trim kit with L parts (ZZZ 213)

Our skylight trim kit provides a clean interior finish with no trim work required. Used when replacing older style roof windows and skylights.

Sunscreening accessory tray for fixed curb mounted skylights (ZZZ 199)

The sunscreening accessory tray combined with the revolutionary Pick&Click™ system makes blind installation quick and easy for VELUX fixed curb mounted skylights. It has everything built-in.

Filler piece (ZZZ 213-B)

Trim groove filler pieces simplifies replacement of existing skylights
• Three 5 7/8-in. pieces
• One kit works for most sizes (Sizes SO6 and C12 will need two kits)

Structural brackets kit for oversize openings (ZZZ 229)

Structural mounting bracket for deck mounted skylights to be used in applications with an oversized rough opening. Brackets come in sets of four.

Angle adapter for chain operator (ZZZ 203)

Extension for manual crank handle or for the manual angle adapter to make skylights easier to operate with a manual pole.

Extension for chain operator (ZZZ 208)

Extension for manual crank handle or for the manual angle adapter to make skylights easier to operate.

Sun screen accessory adapter kit (ZZZ 232)

Enables prior model skylights to be fitted with any of our current model blinds. Available as a special order.
For models manufactured prior to January 1, 2010.

VS Crank handle (ZZZ 201)

A manual crank handle used to operate deck mountedventing skylights with a chain operator. Skylights must have been installed within reach and manufactured since 2010.

VCM Crank handle (ZZZ 212)

An electric motorized crank handle to operate deck mounted venting skylights with a chain operator. Skylights must have been installed within reach and manufactured since 2010.

VS Replacement hook (ZZZ 202)

Available for models: VS, VCM

VCM Replacement hook (ZZZ 211)

Available for models: FS, VS, VCM, QPF

New

Extension rods (ZCT 300, ZMT 300, ZCT 100, ZXT 200)

6-ft. - 10-ft. rod for operation of manual skylights (ZCT 300)
Available for models: VS, VCM

6-ft. - 10-ft. motorized rod for manual skylights (ZMT 300)
Available for models: VS, VCM

3-ft. extension for ZCT 300, ZMT 300, and ZXT 200 (ZCT 100)
Available for models: FS, VS, VCM, QPF

“7 hook” rod for new manual blinds (ZXT 200)
Available for models: FS, FCM, QPF

6-ft. - 10-ft. motorized rod for manual skylights (ZMT 300)
Available for models: VS, VCM

3-ft. extension for ZCT 300, ZMT 300, and ZXT 200 (ZCT 100)
Available for models: FS, VS, VCM, QPF

“7 hook” rod for new manual blinds (ZXT 200)
Available for models: FS, FCM, QPF

Veluxusa.com whyskylights.com
VELUX SUN TUNNEL™ skylights

Flat glass - TLR
Curb mounted - TCR
Rigid - TMIR/TGR
Flex - TMF/TGF

VELUX SUN TUNNEL™ skylights

A tunnel connection system that reduces tunnel installation time in half. Integrates highly reflective tunnels that deliver quality daylight into the space below.

Diffuser options
- Frosted diffuser (standard)
- Prismatic diffuser (optional)
- Fresnel diffuser (optional)

Pivoting tunnel system
The adjustable pitch adapter makes tunnel installation easier while enabling more light to be captured.

Flexi Loc™ system
A tunnel connection system that reduces tunnel installation time in half. Integrates highly reflective tunnels that deliver quality daylight into the space below.
VELUX SUN TUNNEL™ skylights

Flat glass - TLR
Curb metal flashing - TCR

Benefits:
- Low profile glass design creates sleek appearance on any roofline.
- Perfect for developments where local ordinances do not allow acrylic dome tubular skylights.
- Available in 14-in. rigid only.
- Prefabricated light tunnel makes it easy to install.

<table>
<thead>
<tr>
<th>Model TLR</th>
<th>014</th>
<th>14° - 60°</th>
<th>3:12 - 20:12</th>
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<tbody>
<tr>
<td>Outside flashing</td>
<td>in</td>
<td>25 3/8 x 30 1/2</td>
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</tr>
<tr>
<td>Rough opening (ceiling)</td>
<td>in</td>
<td>14 1/2</td>
<td></td>
</tr>
<tr>
<td>Rough opening (roof deck)</td>
<td>in</td>
<td>14 1/2 x 17 3/4</td>
<td></td>
</tr>
<tr>
<td>Daylight area</td>
<td>in</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>Net wt (w/ acrylic)</td>
<td>lbs</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>Standard tubing kit length</td>
<td>in</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Maximum recommended install length</td>
<td>ft</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model TLR</th>
<th>014</th>
<th>14° - 60°</th>
<th>3:12 - 20:12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside flashing</td>
<td>in</td>
<td>25 3/8 x 30 1/2</td>
<td></td>
</tr>
<tr>
<td>Rough opening (ceiling)</td>
<td>in</td>
<td>14 1/2</td>
<td></td>
</tr>
<tr>
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<td>in</td>
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<td></td>
</tr>
<tr>
<td>Daylight area</td>
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<td>138</td>
<td></td>
</tr>
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<td>lbs</td>
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<td></td>
</tr>
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<td>in</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Maximum recommended install length</td>
<td>ft</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

VELUX SUN TUNNEL™ skylights

Rigid pitched - TMR
Rigid low profile - TGR

Benefits:
- One piece metal curb mounted flashing.
- Low profile dome - acrylic or polycarbonate.
- Pivoting tunnel system.
- Pitched flashing provides optimum angle for gathering light from all roof directions.
- 10-in. tile flashing kit available. 14-in. and 22-in. tile flashings available for the TCR.
- Impact models available for hurricane prone areas.
- 99% silver reflective layer with a 20-year tunnel warranty, total reflectance 99%.
- Low profile flashing provides an integrated look with the roofline.
- Impact models available for hurricane prone areas.
- 99% silver reflective layer with a 20-year tunnel warranty, total reflectance 99%.

<table>
<thead>
<tr>
<th>Model TMR</th>
<th>010</th>
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<tr>
<td>Outside flashing</td>
<td>in</td>
<td>27 x 27</td>
<td>29 x 30 1/2</td>
<td></td>
</tr>
<tr>
<td>Rough opening (ceiling)</td>
<td>in</td>
<td>10 1/2</td>
<td>14 1/2</td>
<td></td>
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<tr>
<td>Rough opening (roof deck)</td>
<td>in</td>
<td>14 1/2 x 16</td>
<td>14 1/2 x 20</td>
<td></td>
</tr>
<tr>
<td>Daylight area</td>
<td>in</td>
<td>65</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>Net wt (w/ acrylic)</td>
<td>lbs</td>
<td>20</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>Standard tubing kit length</td>
<td>in</td>
<td>52*</td>
<td>52*</td>
<td></td>
</tr>
<tr>
<td>Maximum recommended install length</td>
<td>ft</td>
<td>20</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model TGR</th>
<th>010</th>
<th>014</th>
<th>14° - 60°</th>
<th>3:12 - 20:12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside flashing</td>
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<td>24 3/4 x 24 3/4</td>
<td>29 x 29</td>
<td></td>
</tr>
<tr>
<td>Rough opening (ceiling)</td>
<td>in</td>
<td>10 1/2</td>
<td>14 1/2</td>
<td></td>
</tr>
<tr>
<td>Rough opening (roof deck)</td>
<td>in</td>
<td>14 1/2 x 14 1/2</td>
<td>14 1/2 x 18</td>
<td></td>
</tr>
<tr>
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<td>in</td>
<td>65</td>
<td>138</td>
<td></td>
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<td>lbs</td>
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<td>29</td>
<td></td>
</tr>
<tr>
<td>Standard tubing kit length</td>
<td>in</td>
<td>52*</td>
<td>52*</td>
<td></td>
</tr>
<tr>
<td>Maximum recommended install length</td>
<td>ft</td>
<td>20</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

*Subtract approximately 6” for flashing when comparing to attic depth at point of installation.
VELUX SUN TUNNEL™ skylights

Flex pitched - TMF
Flex low profile - TGF

Benefits:
- Pitched flashing provides optimum angle for gathering light from all roof directions.
- Tile flashing available.
- Impact models available for hurricane prone areas.
- Low profile flashing provides an integrated look with the roofline.
- Pivoting tunnel system and flexible tunnel for a quick and easy installation.
- Impact models available for hurricane prone areas.

<table>
<thead>
<tr>
<th>Model</th>
<th>Outside flashing</th>
<th>Rough opening (ceiling)</th>
<th>Rough opening (roof deck)</th>
<th>Daylight area</th>
<th>Net wt (w/ acrylic)</th>
<th>Maximum recommended install length</th>
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</thead>
<tbody>
<tr>
<td>TMF</td>
<td>14° - 60°</td>
<td>512 - 1612</td>
<td>29 x 50 / 6</td>
<td>14 / 16</td>
<td>138</td>
<td>8</td>
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<tr>
<td>TGF</td>
<td>14° - 60°</td>
<td>512 - 1612</td>
<td>29 x 29 / 1</td>
<td>14 / 6 / 20</td>
<td>138</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Outside flashing</th>
<th>Rough opening (ceiling)</th>
<th>Rough opening (roof deck)</th>
<th>Daylight area</th>
<th>Net wt (w/ acrylic)</th>
<th>Maximum recommended install length</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMF</td>
<td>14° - 60°</td>
<td>512 - 1612</td>
<td>29 x 29 / 1</td>
<td>14 / 6 / 20</td>
<td>138</td>
<td>8</td>
</tr>
<tr>
<td>TGF</td>
<td>14° - 60°</td>
<td>512 - 1612</td>
<td>29 x 29 / 1</td>
<td>14 / 6 / 20</td>
<td>138</td>
<td>8</td>
</tr>
</tbody>
</table>

Benefits:
- Brushed nickel
- Oil rubbed bronze
- Polished brass
- White

Decorative diffuser (ZTB)
- Ceiling level decorative diffuser that transforms daylight into an attractive style to complement any décor.

VELUX SUN TUNNEL™ accessories

(1) 14" VELUX SUN TUNNEL™ skylights with ZTB diffuser in brushed nickel

veluxusa.com whyskylights.com
**Accessories**

**Energy kit (ZTC 0041US)**

- Designed to increase the energy efficiency of the VELUX SUN TUNNEL skylight while enabling it to be ENERGY STAR® certified.

**VELUX ZTL electric light kit (ZTL)**

- Tubular daylight fixture that uses a UL approved energy efficient compact fluorescent bulb (26 watts) designed especially for VELUX SUN TUNNEL skylights. Available for all models.

**ZTK Blackout shade**

- Manually block the light coming through the SUN TUNNEL skylight in seconds with a manual blackout blind.
  - Available for the 30-in. and 14-in. SUN TUNNEL skylights

**Rigid tube (ZTR)**

- 24-in. tunnel sections manufactured with the Flexi Loc™ tunnel connector system reduces tunnel installation time in half while delivering the highest quality daylight into the space below.

**Elbows (ZTE)**

- A durable and easy to operate elbow that can be used at the top, bottom, or middle of your installation. Multiple elbows can be joined together with rotating couplers to form a 90° bend or any other configuration needed to maneuver around obstacles.

**Decorative diffuser (ZTB)**

- Ceiling level decorative diffuser that transforms daylight into an attractive style to compliment any décor.
  - Brushed nickel ZTB 3020US
  - Oil rubbed bronze ZTB 3020US
  - Polished brass ZTB 3020US
  - White ZTB 3020US

**Daylight controller (ZTP)**

- Allows the user to control the amount of daylight that enters a room. Perfect for rooms that require room darkening.
  - Power supply for VELUX SUN TUNNEL skylight light control devices.

**Power supply for controller (ZZZ 213)**

**Tile flashing for 10-in. and 14-in. pitched SUN TUNNEL (ZTM)**

- Tile flashing accessory for pitched SUN TUNNEL skylights. Engineered with a painted, malleable aluminum water diverting sheet.

**Exterior fire band (ZZZ 192)**

- A durable and easy to operate elbow that can be used at the top, bottom, or middle of your installation. Multiple elbows can be joined together with rotating couplers to form a 90° bend or any other configuration needed to maneuver around obstacles.

**Easy to install tunnel and elbow coupler that enables quick tunnel connections. Rotating joint helps align tunnel sections.**

**Tile flashing for curb mounted SUN TUNNEL skylights (ZCM)**

- A pliable, pleated, and proven curb mounted tile flashing system for VELUX curb mounted SUN TUNNEL skylights. Engineered flashing designed for tile roofing material.

**Exterior fire band (ZZZ 192)**

- Fire band provides the dome edge protection needed for installation on Class B and C rated roofs.
How to order

Choosing the right skylight for you

1. Choose the right location for your skylight

It’s never been easier to choose the right location for your skylight. Download the VELUX skylight planner app from the Apple Store or Android Market.

2. Choose the right skylight

“Fresh Air” skylights

Fixed skylights

SUN TUNNEL™ skylights

Available options: VSS, VCS, VSE, VCE, VS, VCM, GPU, GGU, GXL, GDL CABRIO™

Available options: FS, FCM, QPF

Available options: TLR, TCR, TMR, TGR, TGF

3. Choose a blind or accessory

Choose one of our in-stock factory installed blinds or choose from 80 special order blinds (pages 28-31).

In-stock Room darkening – double pleated blinds

 xxxx0	 xxxx1	 xxxx41	 xxxx42	 xxxx43

In-stock Light filtering – single pleated blinds

 xxxx0	 xxxx1	 xxxx31	 xxxx32	 xxxx33

In-stock Venetian blind (Manual)

 xxxx0

In-stock Motorized blind

 xxxx0

Federal tax credit on solar powered blinds*

Available in Room darkening – double pleated blinds, blackout blinds, light filtering – single pleated blinds and light filtering shades.

Note: Special order blinds are not pre-installed with your skylight order and require a two week lead time. Special order blinds will ship separately.

4. Choose the right glass

For out of reach applications

Clean, Quiet & Safe glass (xx04) – recommended

Available on VSS, VCS, VSE, VCE

Available on FS, FCM, QPF

Clean, Quiet & Safe glass also available in the following options:

Impact (xx06)

Available on VSS, VSE, VCS, VCE, VS, VCM, FS, FCM, QPF

Miami-Dade (xx07)

Available on FCM

White laminated (xx08)

Available on VSS, VSE, VS, VCM, FS, FCM, QPF

Snowload (xx10)

Available on VSS, VSE, VS, VCM, FS, FCM

VELUX recommends and building codes require laminated glass for out of reach applications.

For in reach applications

Dual pane tempered glass (xx05)

Available on FS, VS, FCM, VCM, QPF

Code compliance

VELUX offers a broad array of skylights and SUN TUNNEL skylights that meet the applicable performance requirements and testing and labeling standards written into the most current US Model Codes: 2015 IRC (International Building Code), 2015 IRC (International Residential Code), and 2015 IECC (International Energy Conservation Code), as well as local and regional codes that are the above (and earlier) codes.

In addition, electrical components built into VELUX products are UL listed.

Standard VELUX skylights and SUN TUNNEL products also meet or exceed applicable Powersmart requirements. In addition to those of the current and prior North American Fenestration Standards (NAFS) also known as AAMA/WDMA/CSA 101/I.S.2/A440, with one exception: copper-clad versions.

To verify these attainments on site, the products are shipped with all required labels to expedite the inspection and final acceptance process. VELUX confidently certifies through these labels that only products consistent with the tested specimen are sent to the job.

Need an installer?

Use our installer locator at veluxusa.com/installer.

Check with your local VELUX skylight dealer.

Contact VELUX Solutions at 1-866-358-3589.

We offer a Skylight Specialist program for local independent installers. A VELUX Skylight Specialist is:

Carefully screened by us.

Required to complete an extensive training program.

Provides the best solutions for your daylighting needs.
### VELUX Glass Skylights

VELUX Glass Skylights are rated at 20° slope and labeled with NFRC-certified **679, -682** structural performance ratings also apply to sizes smaller than the Tested Size.

* Tested in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-11 (NAFS 2011)

#### Thermal performance (Certified, complete unit values)

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<thead>
<tr>
<th>Glass</th>
<th>U-values</th>
<th>SHGC</th>
<th>VT</th>
<th>VT(0.5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
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<td>0.43</td>
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<tr>
<td>06**</td>
<td>0.45</td>
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#### Fading protection, %

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<td>0.60</td>
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<td></td>
</tr>
</tbody>
</table>

#### Water resistance @ 3.4 L/min (0.5 gal/min) * (max. tested differential pressure with no leakage)

<table>
<thead>
<tr>
<th>Glass</th>
<th>VT</th>
<th>VT(0.5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>0.60</td>
<td>0.61</td>
</tr>
<tr>
<td>06**</td>
<td>0.55</td>
<td>0.54</td>
</tr>
<tr>
<td>08</td>
<td>0.40</td>
<td>0.40</td>
</tr>
<tr>
<td>10</td>
<td>0.54</td>
<td>0.54</td>
</tr>
</tbody>
</table>

#### Impact in accordance with ASTM E 1886 and ASTM E 2996

<table>
<thead>
<tr>
<th>Glass</th>
<th>Impact in accordance with ASTM E 1886 and ASTM E 2996</th>
<th>Glass</th>
<th>Impact in accordance with ASTM E 1886 and ASTM E 2996</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Glass: Tempered over laminated HS (0.050&quot; interlayer)</td>
<td>05</td>
<td>Glass: Tempered over laminated HS (0.050&quot; interlayer)</td>
</tr>
<tr>
<td>06**</td>
<td>Glass: Tempered over laminated HS (0.090&quot; interlayer)</td>
<td>08</td>
<td>Glass: Same as 04, with white interlayer</td>
</tr>
<tr>
<td>08</td>
<td>Glass: Same as 04, with white interlayer</td>
<td>10</td>
<td>Glass: Tempered over laminated Tempered (0.010&quot; interlayer)</td>
</tr>
<tr>
<td>10</td>
<td>Glass: Tempered over laminated Tempered (0.010&quot; interlayer)</td>
<td>9993</td>
<td>Glass: Same as 04, with IRF coating on interior surface</td>
</tr>
<tr>
<td>9994</td>
<td>Glass: Same as 04, with IRF coating on interior surface</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Structural performance ratings also apply to sizes smaller than the Tested Size

<table>
<thead>
<tr>
<th>Glass</th>
<th>Structural Performance (Performance Grade or DP) *</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>0.42</td>
</tr>
<tr>
<td>05</td>
<td>0.43</td>
</tr>
<tr>
<td>06**</td>
<td>0.45</td>
</tr>
<tr>
<td>08</td>
<td>0.42</td>
</tr>
<tr>
<td>10</td>
<td>0.41</td>
</tr>
</tbody>
</table>

#### Air infiltration/exfiltration* [max. @ 75 Pa (1.57 lbs/ft²) differential pressure]

<table>
<thead>
<tr>
<th>Glass</th>
<th>Air infiltration/exfiltration*</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>0.01</td>
</tr>
<tr>
<td>05</td>
<td>0.01</td>
</tr>
<tr>
<td>06**</td>
<td>0.01</td>
</tr>
<tr>
<td>08</td>
<td>0.01</td>
</tr>
<tr>
<td>10</td>
<td>0.01</td>
</tr>
</tbody>
</table>

#### Wind Zone 3, Missile Level C, Cycle Pressure +50/-50

<table>
<thead>
<tr>
<th>Glass</th>
<th>Uplift (lbs/ft²)</th>
<th>Download (lbs/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>05</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>06**</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>08</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>
In addition, Florida and TDI have listed most variants in their product evaluation/approval systems, and the FCM-07 is covered by Miami-Dade NOA #12-0233.14.

Testing data

** 06 variant is tested and WDMA Hallmark certified for Wind-borne debris impact, in accordance with ASTM E 1886 and ASTM E 1996.

### Thermal and optical performance data are determined for skylights at 20° slope, and verified in accordance with NFRC procedures (where applicable) by accredited entities.

- UV protection, %
- 380 nm: 99.9 95.2 99.9 99.9 99.9 95.3 99.9
- 500 nm: 89.4 84.6 89.4 89.4 89.4 84.6 89.4
- 600 nm: 83.1 79.2 84.6 88.4 83.2 81.6 85.1
- ** 06 variant is tested and WDMA Hallmark certified for Wind-borne debris impact, in accordance with ASTM E 1886 and ASTM E 1996.

### Structural performance ratings also apply to sizes smaller than the Tested Size

<table>
<thead>
<tr>
<th>Tested Size</th>
<th>Uplift (lbs/ft²)</th>
<th>Download (lbs/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>595</td>
<td>120</td>
</tr>
<tr>
<td>05</td>
<td>650</td>
<td>140</td>
</tr>
<tr>
<td>06**</td>
<td>695</td>
<td>160</td>
</tr>
<tr>
<td>** 06 variant is tested and WDMA Hallmark certified for Wind-borne debris impact, in accordance with ASTM E 1886 and ASTM E 1996. Rated for Wind Zone 3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>800</td>
<td>180</td>
</tr>
<tr>
<td>10</td>
<td>900</td>
<td>200</td>
</tr>
<tr>
<td>9993</td>
<td>999</td>
<td>200</td>
</tr>
<tr>
<td>9994</td>
<td>999</td>
<td>200</td>
</tr>
</tbody>
</table>

### SHGC: US and (Canadian) ratings shown for models with EO and (E1) energy kits.

<table>
<thead>
<tr>
<th>Tested Size</th>
<th>Temp. Glass</th>
<th>Acrylic or Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td></td>
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<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9993</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9994</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Water resistance @ 3.4 L/m²/min (5 USgal/ft²/hr) *

- [max. tested differential pressure with no leakage]

<table>
<thead>
<tr>
<th>Tested Size</th>
<th>Max. tested differential pressure (Pa)</th>
<th>Uplift (lbs/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>05</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>06**</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>08</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>10</td>
<td>720</td>
<td>999</td>
</tr>
</tbody>
</table>

### Air infiltration/exfiltration* 

- [max. @ 75 Pa (1.57 lbs/ft²) differential pressure]

<table>
<thead>
<tr>
<th>Tested Size</th>
<th>Max. tested differential pressure (Pa)</th>
<th>Uplift (lbs/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>05</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>06**</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>08</td>
<td>720</td>
<td>999</td>
</tr>
<tr>
<td>10</td>
<td>720</td>
<td>999</td>
</tr>
</tbody>
</table>

### FIM Technical Information

<table>
<thead>
<tr>
<th>Tested Size</th>
<th>Dagger (%)</th>
<th>&amp; (M)</th>
<th>VT</th>
<th>U-factor</th>
<th>SHGC</th>
<th>Temp. Glass</th>
<th>Acrylic or Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>06**</td>
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<td></td>
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<tr>
<td>** 06 variant is tested and WDMA Hallmark certified for Wind-borne debris impact, in accordance with ASTM E 1886 and ASTM E 1996. Rated for Wind Zone 3.</td>
<td></td>
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<tr>
<td>08</td>
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</tr>
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</tbody>
</table>

### QPF Technical Information

<table>
<thead>
<tr>
<th>Tested Size</th>
<th>Dagger (%)</th>
<th>&amp; (M)</th>
<th>VT</th>
<th>U-factor</th>
<th>SHGC</th>
<th>Temp. Glass</th>
<th>Acrylic or Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>06**</td>
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<tr>
<td>** 06 variant is tested and WDMA Hallmark certified for Wind-borne debris impact, in accordance with ASTM E 1886 and ASTM E 1996. Rated for Wind Zone 3.</td>
<td></td>
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<tr>
<td>08</td>
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<tr>
<td>10</td>
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</tr>
<tr>
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</tr>
</tbody>
</table>

Notice: All glass may be subject to unequally and spontaneously BREKAGE in rare circumstances due to interactions in the glass that are unpredictable during the manufacturing and inspection process by the manufacturer of the glasses and VELOX.

VELUX America Inc. offers the choice of laminated or tempered glass skylights. Alumilite glass, impact glass and impact-rated glass are all types of laminated glass. Comfort glass is a type of tempered glass. Laminated glasses is a combination of two or more sheets of glass with one or more interlayers of plastic (PVB). In case of breakage, the interlayer is designed to hold the fragments together. Tempered glass does not contain an interlayer to hold the fragments together. Tempered glass is designed to break into small, window-like pieces. When tempered glass breaks, pieces of glass come loose and may together. Tempered glass does not contain an interlayer to hold the fragments together. Tempered glass is designed to break into small, window-like pieces. When tempered glass breaks, pieces of glass come loose and may together.
Bringing light to life™