Commercial Sun Tunnel Skylights
Capturing daylight for the workplace
Why VELUX?

VELUX is the global leader in harnessing the benefits of the sun. For over 75 years VELUX has been designing, manufacturing, and delivering the world’s best skylights for applications where people live, work, and play. VELUX is one of the strongest brands in the global building materials and home improvement industry. VELUX has 17 strategically located production sites in 9 different countries, and 40 sales organizations all working to ensure global unit skylight demands are met in a manner that exceeds expectations.

Where to install VELUX Commercial Sun Tunnel Skylights

VELUX Commercial Sun Tunnel Skylights should be installed anywhere there is a need for daylight, that is, daylight without a view to the outside. Sun Tunnel Skylights provide a maintenance free and cost-effective daylighting solution that quickly transforms spaces. When compared to traditional on-site constructed light shaft solutions, the VELUX Sun Tunnel skylight provides increasing cost savings benefits as the length of the light shaft increases. VELUX Sun Tunnel skylights provide an economical means to bring daylight into any interior space.

Ideal applications for VELUX Commercial Sun Tunnel Skylights include schools, retail spaces, medical facilities, warehouses, and anywhere excellent light quality is needed.
Take it from the top... VELUX SunCurve

This highly transmissive, light capturing VELUX SunCurve comes standard on every 22" Commercial Sun Tunnel Skylight. Designed to capture sunrays that would normally pass through the dome, and instead direct them down the tunnel.

What makes the VELUX SunCurve better?

Morning light
Captures low-angle sunlight and curves it down the tunnel.

Afternoon light
Captures low-angle sunlight and curves it down the tunnel.

Mid-day light
Manage the intense, direct mid-day sun so that the space below is bright and comfortable without glare.

22" kit includes outer dome and VELUX SunCurve
From point A to point B

All VELUX Sun Tunnel Skylights feature a 99.99% reflective silver layer that is electrostatically applied.

- Creates an ultra-smooth and efficient specular reflective light delivery system
- Protective coatings ensure long term reflective performance of 99%

20-year rigid tunnel reflective warranty
Diffuser options

Choose from a variety of ceiling options to meet all your application needs.
*Available in 14" and 22"*

- **Hard ceiling (THC)**
- **Suspended ceiling (TTC)**
- **Open ceiling (TOC)**

**Diffuser materials**

- **Frosted diffuser**
  Frosted diffusers offer a combination of performance and aesthetics.

- **Prismatic diffuser**
  The industry standard prismatic diffusers provide good light distribution with the look and feel to match existing architectural design.

- **Fresnel diffuser**
  Fresnel diffusers utilize a concentric honeycomb pattern of parabolic prisms that provide superior light diffusion.

Flashwing types

Choose the right flashing type for your installation from the choices below:

**Self flashed model (TGC)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dome Type</th>
<th>Flashing Type</th>
<th>Tunnel System</th>
<th>Roof Pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGC 014 0000</td>
<td>Acrylic Dome</td>
<td>Lower profile dome</td>
<td>Flexi Loc tunnel system</td>
<td>0°–60°</td>
</tr>
<tr>
<td>TGC 014 1000</td>
<td>Impact Dome</td>
<td>Low profile pan flashing</td>
<td>16&quot; tunnel extension</td>
<td></td>
</tr>
</tbody>
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**Curb mount flashing model (TCC)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dome Type</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TCC 014 0000</td>
<td>Acrylic Dome</td>
<td>Lower profile dome</td>
<td>Flexi Loc™ tunnel system</td>
<td>0°–60°</td>
</tr>
<tr>
<td>TCC 014 1000</td>
<td>Impact Dome</td>
<td>Low profile curb mount flashing</td>
<td>16&quot; tunnel extension</td>
<td></td>
</tr>
</tbody>
</table>

**Pitched self flashed model (TMC)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dome Type</th>
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<th>Tunnel System</th>
<th>Roof Pitch</th>
</tr>
</thead>
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<tr>
<td>TMC 014 0000</td>
<td>Acrylic Dome</td>
<td>Lower profile dome</td>
<td>Flexi Loc tunnel system</td>
<td>14°–60°</td>
</tr>
<tr>
<td>TMC 014 1000</td>
<td>Impact Dome</td>
<td>20° pitched pan flashing</td>
<td>16&quot; tunnel extension</td>
<td></td>
</tr>
</tbody>
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**Self flashed model (TGC)**

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<th>Flashing Type</th>
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<th>Roof Pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGC 022 3000</td>
<td>Acrylic Dome</td>
<td>High profile SunCurve</td>
<td>Flexi Loc tunnel system</td>
<td>0°–60°</td>
</tr>
<tr>
<td>TGC 022 5000</td>
<td>Impact Dome</td>
<td>Low profile pan flashing</td>
<td>16&quot; tunnel extension</td>
<td></td>
</tr>
</tbody>
</table>

**Curb mount flashing model (TCC)**

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<td>TCC 022 3000</td>
<td>Acrylic Dome</td>
<td>High profile SunCurve</td>
<td>Flexi Loc tunnel system</td>
<td>0°–60°</td>
</tr>
<tr>
<td>TCC 022 5000</td>
<td>Impact Dome</td>
<td>Low profile curb mount flashing</td>
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<td></td>
</tr>
</tbody>
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**VELUX Sun Tunnel Skylights**

Skylights are designed to fit all your installation needs.

**Diffuser options**

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  - TGC 014 0000 Acrylic Dome
  - TGC 014 1000 Impact Dome
  - Lower profile dome
  - Low profile pan flashing
  - Flexi Loc tunnel system
  - 16" tunnel extension
  - Roof pitch 0°–60°

- **Curb mount flashing model (TCC)**
  - TCC 014 0000 Acrylic Dome
  - TCC 014 1000 Impact Dome
  - Lower profile dome
  - Low profile curb mount flashing
  - Flexi Loc™ tunnel system
  - 16" tunnel extension
  - Roof pitch 0°–60°

- **Pitched self flashed model (TMC)**
  - TMC 014 0000 Acrylic Dome
  - TMC 014 1000 Impact Dome
  - Lower profile dome
  - 20° pitched pan flashing
  - Flexi Loc tunnel system
  - 16" tunnel extension
  - Roof pitch 14°–60°

- **Self flashed model (TGC)**
  - TGC 022 3000 Acrylic Dome
  - TGC 022 5000 Impact Dome
  - High profile SunCurve
  - Low profile pan flashing
  - Flexi Loc tunnel system
  - 16" tunnel extension
  - Roof pitch 0°–60°

- **Curb mount flashing model (TCC)**
  - TCC 022 3000 Acrylic Dome
  - TCC 022 5000 Impact Dome
  - High profile SunCurve
  - Low profile curb mount flashing
  - Flexi Loc tunnel system
  - 16" tunnel extension
  - Roof pitch 0°–60°

**VELUX Sun Tunnel Skylights**

Skylights are designed to fit all your installation needs.
Two ways to order
Order kits in 3 easy steps for bulk purchasing

Option 1: Configurable kits - Time-saving and easy-to-order

Step 1: Select your size, dome type and flashing

- 14" Self (TGC)
- 14" Curb (TCC)
- 14" Pitched (TMC)
- 22" Self (TGC)
- 22" Curb (TCC)

- Acrylic
- Impact

Step 2: Select your tunnel components

- Tunnel extensions (ZTR)
- Elbows (ZTE)
- Tunnel kit (TTK)

Step 3: Select your diffuser and assembly type

- Frosted
- Prismatic
- Fresnel
- Hard ceiling (THC)
- Suspended ceiling (TTC)
- Open ceiling (TOC)

Option 2: Bulk purchasing - Ideal for large projects

- Purchase VELUX Sun Tunnel Skylight components in bulk quantities for additional savings
- Best way to receive value engineered project specific quotes
- Please call 1-888-878-3589 for pricing and product availability

For customized configurations please call 1-888-878-3589

Testing data
Commercial Sun Tunnel Skylights

<table>
<thead>
<tr>
<th>Commercial Sun Tunnel Skylights Technical Information</th>
<th>TCC 014</th>
<th>TGC 014</th>
<th>TMC 014</th>
<th>TCC 022</th>
<th>TGC 022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air infiltration/exfiltration* ([max. @ 75 Pa (1.57 lbs/ft²) differential pressure])</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
</tr>
<tr>
<td>l/s/m²</td>
<td>1.4</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Water resistance @ 3.4 L/min (5 USgal/12/hr)* ([max. tested differential pressure with no leakage])</td>
<td>720</td>
<td>720</td>
<td>720</td>
<td>720</td>
<td>720</td>
</tr>
<tr>
<td>Pascal</td>
<td>720</td>
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<td>720</td>
<td>720</td>
<td>720</td>
</tr>
<tr>
<td>lbs/ft²</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Thermal performance (Certified, complete unit values)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VELUX Sun Tunnel Skylights are labeled with certified U-Factor (with insulation at ceiling), and SHGC ratings, as listed in the NFRC Certified Products Directory</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Installation type</td>
<td>U-factor: Btu/(hr<em>ft²</em>F˚)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insulation at roof with Commercial Energy Kit</td>
<td>0.55</td>
<td>0.43</td>
<td>0.41</td>
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<td>Insulation at ceiling with commercial energy kit</td>
<td>0.38</td>
<td>n.r.</td>
<td>n.r.</td>
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<td></td>
</tr>
<tr>
<td>Installation type</td>
<td>SHGC: US ratings shown for models with EO energy kits</td>
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<tr>
<td>Insulation at roof with Commercial Energy Kit</td>
<td>0.28</td>
<td>0.22</td>
<td>0.26</td>
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<tr>
<td>Insulation at ceiling with residential energy kit</td>
<td>0.25</td>
<td>n.r.</td>
<td>n.r.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural Performance*</td>
<td>Performance Grades or DP in psf: NAFS-11 (NAFS-08) (Note: 1 psf = 4788 Pa)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dome type **</td>
<td>Light (negative)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acrylic or Polycarbonate</td>
<td>145 (110)</td>
<td>130 (100)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dome Type **</td>
<td>Download (positive)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acrylic or Polycarbonate</td>
<td>300 (200)</td>
<td>300 (200)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp. Glass</td>
<td>150 (150)</td>
<td>n.a.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Tested and certified in accordance with AAMA/WDMA/CSA 101/5.2/A440-11 (NAFS 2011)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>** VELUX® Sun Tunnel Skylights are WDMA Hallmark certified as indicated above and below</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>** Products with Polycarbonate domes are tested for Wind-Borne debris impact and pressure cycling in accordance with ASTM E 1886-05 and ASTM E 1994-05.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Rated for Wind Zone 3, Mikele Level C, Cycle Pressure +50/-50 --</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Bringing light to life™