Energy Efficient Unit Skylights

Performance

IBC Section 2405.5 Unit Skylight Compliance:

North American Fenestration Standard:

AAMA/WDMA/CSA 101/I.S.2/A440

Air infiltration: 0.03 cfm/ft² @ 1.57psf per ASTM E283

Water Penetration: 15 psf per ASTM E547 and ASTM E331

Design Pressure: Varies with size

IBC Section 2606.4 Light Transmitting Plastics:

Dome Acrylic Glazings:
Self-Ignition Temperature: ASTM D1929 850 deg. F
Smoke Density: ASTM D2843 6.4
Combustibility Classification: ASTM D635 CC2

Polycarbonate Laylite:
Self-Ignition Temperature: ASTM D1929 >1110 deg. F
Smoke Density: ASTM E84 35
Combustibility Classification: ASTM D635 CC1

Standard Sizes (Custom Sizes Available)

Curb-Mount
CLC2 - Single Dome with Aerogel Filled Laylite
CMC2 - Single Pyramid Dome with Aerogel Filled Laylite
CLC3 - Double Dome with Aerogel Filled Laylite
CMC3 - Double Dome with Aerogel Filled Laylite, Pyramid Outer

Deck-Mount
CLD2 - Single Dome with Aerogel Filled Laylite
CMD2 - Single Pyramid Dome with Aerogel Filled Laylite
CLD3 - Double Dome with Aerogel Filled Laylite
CMD3 - Double Dome with Aerogel Filled Laylite, Pyramid Outer

<table>
<thead>
<tr>
<th>Size</th>
<th>Curb-Mount Outside Dimension of Curb</th>
<th>Deck-Mount Rough Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>2828</td>
<td>25 ¼&quot; x 25 ¼&quot;</td>
<td>22 ¼&quot; x 22 ¼&quot;</td>
</tr>
<tr>
<td>2852</td>
<td>25 ¼&quot; x 49 ¼&quot;</td>
<td>22 ¼&quot; x 46 ¼&quot;</td>
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<tr>
<td>3636</td>
<td>33 ¼&quot; x 33 ¼&quot;</td>
<td>30 ¼&quot; x 30 ¼&quot;</td>
</tr>
<tr>
<td>3652</td>
<td>33 ¼&quot; x 49 ¼&quot;</td>
<td>30 ¼&quot; x 46 ¼&quot;</td>
</tr>
<tr>
<td>4242</td>
<td>40&quot; x 40&quot;</td>
<td>37&quot; x 37&quot;</td>
</tr>
<tr>
<td>4280</td>
<td>40&quot; x 78&quot;</td>
<td>37&quot; x 75&quot;</td>
</tr>
<tr>
<td>5252</td>
<td>49 ¼&quot; x 49 ¼&quot;</td>
<td>46 ¼&quot; x 46 ¼&quot;</td>
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<tr>
<td>5276</td>
<td>49 ¼&quot; x 72 ¼&quot;</td>
<td>46 ¼&quot; x 69 ¼&quot;</td>
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<tr>
<td>5296</td>
<td>49 ¼&quot; x 92 ¼&quot;</td>
<td>46 ¼&quot; x 89 ¼&quot;</td>
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<tr>
<td>5555</td>
<td>51&quot; x 51&quot;</td>
<td>48&quot; x 48&quot;</td>
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<td>55102</td>
<td>51&quot; x 99&quot;</td>
<td>48&quot; x 96&quot;</td>
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<tr>
<td>6060</td>
<td>58&quot; x 58&quot;</td>
<td>55&quot; x 55&quot;</td>
</tr>
<tr>
<td>6476</td>
<td>60 ½&quot; x 72 ¼&quot;</td>
<td>57 ½&quot; x 69 ¼&quot;</td>
</tr>
<tr>
<td>6496</td>
<td>60 ½&quot; x 92 ½&quot;</td>
<td>57 ½&quot; x 89 ½&quot;</td>
</tr>
</tbody>
</table>

Standard Info

Finishing:
Frame: White PVC
Retainer: Mill. Other finishes also available, contact factory for information.

Glazing:
Satin Sky 2 Infrared Blocking Outer Dome / Optional Clear Inner Dome / 10mm Lumira Aerogel Filled Multiwall Polycarbonate Inner Laylite.

NFRC Certified Performance:

<table>
<thead>
<tr>
<th>Product</th>
<th>Glazing</th>
<th>U-Factor</th>
<th>SHGC</th>
<th>NFRC CPD#</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLC2 - Curb Mount</td>
<td>Satin Sky 2 / 10mm Lumira Panel</td>
<td>0.35</td>
<td>0.33</td>
<td>WPC-A-9-00011-00001</td>
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<tr>
<td>CLC3 - Curb Mount</td>
<td>Satin Sky 2 / Clear / 10mm Lumira Panel</td>
<td>0.33</td>
<td>0.31</td>
<td>WPC-A-9-00006-00001</td>
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<tr>
<td>CLD2 - Deck Mount</td>
<td>Satin Sky 2 / 10mm Lumira Panel</td>
<td>0.40</td>
<td>0.33</td>
<td>WPC-A-8-00009-00001</td>
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<tr>
<td>CLD3 - Deck Mount</td>
<td>Satin Sky 2 / Clear / 10mm Lumira Panel</td>
<td>0.36</td>
<td>0.31</td>
<td>WPC-A-8-00006-00001</td>
</tr>
</tbody>
</table>

VT is not part of the NFRC certification protocol.

Skylights pose an inherent risk of injury or death from fall throughs, and the safety of others is of the utmost importance to VELUX. VELUX recommends that the customer, building owner or manager use additional protection with the skylight such as an exterior or interior safety cage, to enhance long-term safety. The building owner or manager is responsible for providing fall protection around the skylight in accordance with OSHA regulations. VELUX also recommends that the building owner or manager restrict roof access only to personnel who have been cautioned as to the location of the skylights, and warned not to sit, step or walk on the skylights.
EcoSky3 Curb Mount

- **Aluminum Retaining Frame**
- **Weep Holes**
- **Vinyl Frame**
- **Curb Material & Construction (By Others)**
- **1½” Flashing Allowance**
- **Outside Curb Dimension**

**Support Detail**
- **Aluminum Channel**
- **Polycarbonate Laylite**

*Units larger than a 5252 may require a stiffener across the width. A shadow may be visible from below.*

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EcoSky3 Deck Mount

- **Aluminum Retaining Frame**
- **Weep Holes**
- **Vinyl Frame**
- **1½” Integral Curb** *(R 5.8)*
- **12” or 16” Curb Height**

**Support Detail**
- **Aluminum Channel**
- **Polycarbonate Laylite**

*Units larger than a 5252 may require a stiffener across the width. A shadow may be visible from below.*

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**Support Detail**
- **Acrylite® Satin Sky 2**
- **Translucent Outer Dome**
- **Clear Inner Dome**
- **Lumira® Aerogel Filled 10mm Multiwall Polycarbonate Panel**

**Rough Opening Dimension**