EcoSky Technical Information

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:** <0.01 @ 6.27 psf 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:

<table>
<thead>
<tr>
<th>Self-Ignition Temperature</th>
<th>Smoke Density</th>
<th>Combustibility Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D1929</td>
<td>ASTM D2843</td>
<td>ASTM D635</td>
</tr>
<tr>
<td>850 deg. F</td>
<td>6.4</td>
<td>CC2</td>
</tr>
</tbody>
</table>

Standard Sizes (Custom Sizes Available)

**Curb-Mount**

- CEC2 - Double Dome Satin Sky 2 over Clear
- CFC2 - Double Dome Satin Sky 2 over Clear, Pyramid Outer
- CEC3 - Triple Dome Satin Sky 2 over Clear over Clear
- CEC3 - Triple Dome Satin Sky 2 over Clear over Satin Ice

**Deck-Mount**

- CED2 - Double Dome Satin Sky 2 over Clear
- CFD2 - Double Dome Satin Sky 2 over Clear, Pyramid Outer
- CED3 - Triple Dome Satin Sky 2 over Clear over Clear

**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>CEC2, CFC2 - Double Dome Curb-Mount</td>
<td>Satin Sky 2 / Clear, Optional Pyramid Outer</td>
<td>0.61</td>
<td>0.45</td>
<td>WPC-A-9-00007-00001</td>
</tr>
<tr>
<td>CEC3 - Triple Dome Curb-Mount</td>
<td>Satin Sky 2 / Clear / Clear</td>
<td>0.46</td>
<td>0.37</td>
<td>WPC-A-9-00008-00001</td>
</tr>
<tr>
<td>CEC3 - Triple Dome Curb-Mount</td>
<td>Satin Sky 2 / Clear / Satin Ice</td>
<td>0.46</td>
<td>0.35</td>
<td>WPC-A-9-00010-00001</td>
</tr>
<tr>
<td>CED2, CFD2 - Double Dome Deck-Mount</td>
<td>Satin Sky 2 / Clear, Optional Pyramid Outer</td>
<td>0.66</td>
<td>0.45</td>
<td>WPC-A-8-00004-00001</td>
</tr>
<tr>
<td>CED3 - Triple Dome Deck-Mount</td>
<td>Satin Sky 2 / Clear / Clear</td>
<td>0.50</td>
<td>0.37</td>
<td>WPC-A-8-00005-00001</td>
</tr>
<tr>
<td>CED3 - Triple Dome Deck-Mount</td>
<td>Satin Sky 2 / Clear / Satin Ice</td>
<td>0.50</td>
<td>0.36</td>
<td>WPC-A-8-00008-00001</td>
</tr>
</tbody>
</table>

**Standard Info**

**Finishing:**

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

**Glazing:**

- Triple Dome: Satin Sky 2 Infrared Blocking Outer Dome over Clear over Clear or Satin Ice Inner Domes.

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.
EcoSky Technical Information

EcoSky Double or Triple Dome Curb-Mount

- Curb Material & Construction (By Others)
- Aluminum Retaining Frame
- Weep Holes
- Vinyl Frame
- Acrylite® Satin Sky 2 Translucent Outer Dome
- Clear Inner Dome
- Outside Curb Dimension

EcoSky Double or Triple Dome Deck-Mount

- Curb Material & Construction (By Others)
- Aluminum Retaining Frame
- Vinyl Frame
- Weep Holes
- 1½” Integral Curb (R 5.8)
- 12” or 16” Curb Height
- Acrylite® Satin Sky 2 Translucent Outer Dome
- Clear Inner Dome
- Rough Opening Dimension

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