VELUX GPL is an openable centre-pivoting and top-hung “dual action” roof window for in-reach applications. Used to bring natural light and air into attics or loft rooms where ventilation is required.

**Operation**

The GPL is operated manually. The control bar at the top of the window is clicked open once for limited filtered air flow, whilst the window remains closed and watertight. A second click of the control bar opens the central-pivoting sash. The sash is frictioned to stay in a pivot position to maximise ventilation. The sash can be locked in two positions, either slightly ajar or 180°, in the fully rotated position, allowing the outside pane to be cleaned safely from inside the room.

The GPL can also be opened as a top-hung awning window using the bottom handle and can be left open at any point up to the horizontal position.

**Grey aluminium exterior cappings**

**Not suitable for out-of-reach situations**

**Laminated double glazing as standard**

**3076**

- **Outer** – 4mm toughened Low-E coated glass.
- **Cavity** – 15mm sealed Argon gas space.
- **Inner** – 6.38mm clear laminated glass (0.38 PV B inter layer).
- Warm edge technology increases energy efficiency.

**Benefits:**

- Radiant heat block approx 70%
- UV rays block 95%
- Noise reduction factor 35dB
- Double layer of Low-E coating
- 10 year warranty on insulated glass seal

**Australian Standard AS1288**

Laminated glass must be used for roof windows installed 3m or more above floor level.

**Technical Data**

**GPL technical performance**

**Australian Standards**

All VELUX Roof Windows are tested and approved to the appropriate Australian Standards:

- **AS4285 SKYLIGHTS‡** except cyclonic
- **AS1288 OVERHEAD GLAZING**
- **AS3959 BUSHFIRE** Attack Level 40*
- **AS1530.1: BCA BOUNDARY SEPARATION**
  - Class 1 & Class 10 buildings: Within 900mm of a boundary wall
  - Class 2 to Class 9 buildings: 3 metres from a boundary wall\(^\text{**}^\)

VELUX Roof Windows are deemed non-combustible and thereby comply with BCA Fire Separation requirements.

- * CSIRO assessment report available on request. VELUX recommends consultation with relevant authority before work commences. Roof Window to be in closed position.
- \(^\text{**}^\) bushfire testing applicable to 3076 glazing variant Roof Window in roof pitch 18°  55° Roof Window only. Custom-made flashing required. Tested in closed position, additional mesh protection may be required for opening apertures (consult local council).
- \(^\text{\textsuperscript{**}}^\) Roof Window cannot be closer than 3mtrs unless the boundary is adjoining a road or public place. Consult BCA for further details.
- \(‡\) Not for use in cyclonic regions.

**Construction**

**Frame and sash**: Nordic Pine timber. Factory lacquered (2 coats) and treated with a base preservative to reduce mould and mildew.

**Exterior capping**: Grey aluminium.

**Glazing type**

<table>
<thead>
<tr>
<th>3076</th>
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<tbody>
<tr>
<td>Complete Roof Window</td>
</tr>
<tr>
<td>Glass only</td>
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</tbody>
</table>

**U-value (W/m²K)**

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**Solar Heat Gain Co-efficient**

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**Visible Light Transmittance**

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**Luminous Efficacy (Ke = VT/SHGC)**

U-value and SHGC calculated according to EN 14351-1:2006 and AS12010 (window size 1140mm x 1400mm).
### Choice of manually operated blinds

#### Blockout blinds
- Provides blockout from light.
- Colour: White on internal side. Silver coating on external side.
- Materials: Light-tight polyester with heat resistant coating. Clear anodized aluminium side channels and top cover.
- Reduce light by approx 100%. Reduce heat by approx 40%.

#### Honeycomb blinds
- Adds a decorative effect.
- Colour: White on both sides.
- Materials: Double layered pleats (polyester) form a 'honeycomb' structure. Inner faces of honeycomb structure have aluminium coating.
- Reduce light by up to 95%. Reduce heat by approx 60%.

Now even easier to fit using VELUX [Pick & Click!™] system.

NB: NEW VELUX blinds do not fit GGL/GHL/GPL windows purchased prior to June 2015.

### GPL – frame and glazing dimensions

<table>
<thead>
<tr>
<th>New Product/size code (Old code pre June 2015)</th>
<th>CK04 (CO4)</th>
<th>MK04 (MO4)</th>
<th>MK06 (MO6)</th>
<th>MK08 (MO8)</th>
<th>SK06 (SO6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall frame size w×h – mm</td>
<td>550×980</td>
<td>780×980</td>
<td>780×1180</td>
<td>780×1400</td>
<td>1140×1180</td>
</tr>
<tr>
<td>Internal glass size w×h – mm</td>
<td>371×783</td>
<td>601×783</td>
<td>601×983</td>
<td>601×1203</td>
<td>961×983</td>
</tr>
<tr>
<td>Daylight area (M²)</td>
<td>0.29</td>
<td>0.47</td>
<td>0.59</td>
<td>0.72</td>
<td>0.95</td>
</tr>
<tr>
<td>Ventilation area (M²)</td>
<td>0.39</td>
<td>0.58</td>
<td>0.72</td>
<td>0.87</td>
<td>1.09</td>
</tr>
<tr>
<td>3076 laminated glazing as standard</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Weight in kg</td>
<td>33.6</td>
<td>41.5</td>
<td>47.7</td>
<td>54.0</td>
<td>62.0</td>
</tr>
</tbody>
</table>

* Weight includes flashing.

### Choice of flashing

#### EDL flashing for flat roofing material
EDL flashing is used for Roof Windows installed into slate or shingle roofs – typically 4-8mm thick. 'L' shaped sections are provided that act as soaker pieces on either side of the Roof Window. These soakers sit under each course of slate or shingle and interlock with the course above.

### EDW flashing for profiled roofing material
EDW flashing is used for Roof Windows installed into tiled roofs and low profiled metal roofs (such as corrugated iron and custom orb).

### Opening Restrictors
BCA 2013 Vol 1 & 2 regulations (Prevention of Falls from Windows – Balustrades & Barriers): contact VELUX for information relating to restrictor devices for within-reach opening Roof Windows.

* For roofs below 15° pitch, roof windows need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings. (NB: build-up not recommended in Bushfire areas.)

NB: When used in side-by-side/above-below combination, roof windows must be 300mm apart and utilise BSW/SL combination flashing.