

# VELUX dome ISD 0100

**VELUX®**



Available base  
units

When more privacy is required, our opaque (non-transparent) acrylic dome is a great choice for sensitive areas in schools, clinics and offices. The VELUX opaque acrylic dome is made from a durable, scratch-resistant material with good light transmittance and is compatible with VELUX INTEGRA® accessories for daylight control and light dimming.

- Maintain a high level of privacy with the opaque dome.
- Find the perfect light and shade solution that meets your personal needs.
- Enjoy a quieter indoor environment from the efficient sound reduction of outside noises.
- A scratch-resistant outer surface provides a high durability.
- Rain water and leaves are easily drained away, even in roofs with 0° pitch.
- Water and snow drains from the durable plastic dome because of its rounded shape.



## Application guidance

The dome top unit can be installed with all base units within the roof pitch range of 0° to 15°.



Combine the dome with a base unit that meets your need for daylight and ventilation. Choose the electrically-vented base unit CVP for fresh air at the touch of a button or the fixed base unit CFP if your primary need is to be bring daylight into the room.

## Available sizes and daylight area

### Compatible Base Units

|      | 600                     | 800                     | 900                     | 1000                    | 1200                    | 1500                    |
|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 600  | ISD<br>060060<br>(0.19) |                         |                         |                         |                         |                         |
| 800  |                         | ISD<br>080080<br>(0.40) |                         |                         |                         |                         |
| 900  | ISD<br>060090<br>(0.32) |                         | ISD<br>090090<br>(0.54) |                         |                         |                         |
| 1000 |                         |                         |                         | ISD<br>100100<br>(0.70) |                         |                         |
| 1200 |                         |                         | ISD<br>090120<br>(0.76) |                         | ISD<br>120120<br>(1.07) |                         |
| 1500 |                         |                         |                         | ISD<br>100150<br>(1.11) |                         | ISD<br>150150<br>(1.78) |

All measurements are in mm. ( ) = Effective daylight area, m<sup>2</sup>

## Technical values

Overview of technical values for the product, covering among other, CE marking in accordance with EN 1873 or EAD 200062-00-0401

| Window characteristics  | CFP 630K + ISD 0100 | CFP 730V + ISD 0100 | CFP 73UT + ISD 0100 | CSP 730V + ISD 0100 | CVP Electric 630K + ISD 0100 | CVP Electric 730V + ISD 0100 | CVP Electric 73UT + ISD 0100 | CVP Manual 73UT + ISD 0100 | CXP 730V + ISD 0100 |
|---|---------------------|---------------------|---------------------|---------------------|------------------------------|------------------------------|------------------------------|----------------------------|---------------------|
| Air permeability  | A3                  | A3                  | A3                  | 4                   | 4                            | 4                            | 4                            | 4                          | 4                   |
| Thermal transmittance $U_{rc,ref300}$ (CE-marked) (U-value) [W/m <sup>2</sup> /K] | 0.87                | 0.80                | 0.87                | 0.99                | 0.87                         | 0.80                         | 0.87                         | 0.87                       | 0.86                |
| Arc, ref300 [m <sup>2</sup> ]   | 3.4                 | 3.4                 | 3.4                 | 3.4                 | 3.4                          | 3.4                          | 3.4                          | 3.4                        | 3.4                 |
| Light transmittance ( $\tau_v$ ) ( $\tau$ )                                       | 0.15                | 0.25                | 0.23                | 0.25                | 0.15                         | 0.25                         | 0.23                         | 0.23                       | 0.25                |
| Sound insulation $R_{w,dB}$ [dB]  | 36                  | 36                  | 36                  | 33                  | 36                           | 36                           | 30                           | 30                         | 36                  |
| Total solar energy transmittance (g-value) (g)                                    | 0.14                | 0.20                | 0.19                | 0.20                | 0.14                         | 0.20                         | 0.19                         | 0.19                       | 0.20                |
| Ultraviolet transmittance ( $\tau_{uv}$ ) ( $\tau_{uv}$ )                         | 0.05                | 0.05                | 0.05                | 0.05                | 0.05                         | 0.05                         | 0.05                         | 0.05                       | 0.05                |
| Burglar resistance window   | npd                 | 2                   | npd                 | npd                 | npd                          | 2                            | npd                          | npd                        | npd                 |
| Frame factor  | N/A                 | N/A                 | N/A                 | N/A                 | N/A                          | N/A                          | N/A                          | N/A                        | N/A                 |
| Air permeability  | A3                  | A3                  | A3                  | 4                   | 4                            | 4                            | 4                            | 4                          | 4                   |
| Reaction to fire  | B-s1,d0             | B-s1,d0             | B-s1,d0             | B-s1,d0             | B-s1,d0                      | B-s1,d0                      | B-s1,d0                      | B-s1,d0                    | B-s1,d0             |
| Bonding of cover glass (glass of top unit)  | N/A                 | N/A                 | N/A                 | N/A                 | N/A                          | N/A                          | N/A                          | N/A                        | N/A                 |
| External fire performance - European  | npd                 | npd                 | npd                 | npd                 | npd                          | npd                          | npd                          | npd                        | npd                 |
| External fire performance - British   | npd                 | npd                 | npd                 | npd                 | npd                          | npd                          | npd                          | npd                        | npd                 |
| Impact resistance   | N/A                 | N/A                 | N/A                 | N/A                 | N/A                          | N/A                          | N/A                          | N/A                        | N/A                 |
| Impact resistance large soft body   | SB 1200             | SB 1200             | SB 1200             | SB 1200             | SB 1200                      | SB 1200                      | SB 1200                      | SB 1200                    | SB 1200             |
| Impact resistance small hard body   | ✓                   | ✓                   | ✓                   | ✓                   | ✓                            | ✓                            | ✓                            | ✓                          | ✓                   |
| Rain noise (Lia)  | 48                  | 53                  | 53                  | 47                  | 46                           | 49                           | 50                           | 46                         | 50                  |
| Resistance to downward loads  | DL 2500             | DL 2500             | DL 2500             | DL 2500             | DL 2500                      | DL 2500                      | DL 2500                      | DL 2500                    | DL 2500             |
| Resistance to fire  | npd                 | npd                 | npd                 | npd                 | npd                          | npd                          | npd                          | npd                        | npd                 |
| Resistance to snow load   | N/A                 | N/A                 | N/A                 | N/A                 | N/A                          | N/A                          | N/A                          | N/A                        | N/A                 |
| Resistance to upward load   | UL 1500             | UL 1500             | UL 1500             | UL 1500             | UL 1500                      | UL 1500                      | UL 1500                      | UL 1500                    | UL 1500             |
| Resistance to wind load   | N/A                 | N/A                 | N/A                 | N/A                 | N/A                          | N/A                          | N/A                          | N/A                        | N/A                 |
| Water tightness   | ✓                   | ✓                   | ✓                   | ✓                   | ✓                            | ✓                            | ✓                            | ✓                          | ✓                   |

NPD: No Performance Determined



## Insulating glass unit structure

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<STEPTABLE O="Product-24443-0" OT="Product" TT="26335454" VC="Context1" VO="27388281" W="Approved" />

## Cleaning and maintenance

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Cleaning of the top unit is only possible from the outside. When cleaning the top unit, do not open the window. For electrical windows, switch off the mains supply.

To clean inner surface of top unit and outer glass surface of base unit, remove cover caps and screws to remove the top unit and fasten again after cleaning.

In regions with heavy snowfall, snow masses on the flat-roof window must be removed on a regular basis.

## Guarantee period

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## Blinds and awnings

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Complete your VELUX flat roof window with a blind for complete comfort. Choose from a range of blinds, including a translucent pleated blind for softening the light, anti-heat blind for heat protection and blackout energy pleated blind for darkening the room.

Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented flat roof window and blinds.

## Further information

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We reserve the right to make technical changes.

For more information on our products, please visit <https://velux.com>.