

Product information

VELUX Dormer



Product description

- VELUX Dormer is part of VELUX new product range, Space Makers
- The dazzling alternative to an ordinary dormer. It can transform any attic into a spacious, bright and airy room
- 4 or 6 VELUX roof windows installed side by side and over/under each other
- Windows are lifted max 600 mm out of the roof
- Available for profiled roofing materials
- Insulated kerb elements
- Delivered as a complete kit, with flashing elements and all other components
- All components made to measure, no manual adaptation
- A safe and secure solution that meets all professional demands for tightness and quality

Roof pitch

- Can be installed in roof pitches between 35° and 70°

Materials

- Roof construction OSB boards with polyurethane insulation
- Top, middle and bottom trimmers in laminated pinewood
- Underfelt collar BFX in three-layer diffusion open polypropylene, drainage gutter included
- Frame insulation collar BDX
- Flashing parts EDW in lacquered aluminium with foam gasket and flexible apron
- Maintenance-free exterior covers in lacquered aluminium

Downloads

For installation instructions, CAD drawings, 3D BIM objects, 3D GDL objects etc, please visit velux.bg.

Certifications



The VELUX product factories guarantee quality systems implementation process and environmental management systems through appropriate accreditations ISO 9001 and ISO 14001

EUTR In compliance with the EU Timber Regulation (EUTR), EU regulation 995/2010

REACH We are aware of the REACH regulation and acknowledge the obligations. No products are obliged to be registered in accordance to REACH and none of our products contain any Substances of Very High Concern.


Available sizes

	472 mm	550 mm	660 mm	780 mm	942 mm	1140 mm	1340 mm
778 mm							
978 mm							
1178 mm				G-- MK06 (0.59)	G-- PK06 (0.75)	G-- SK06 (0.95)	
1398 mm							
1600 mm							

Product combinations

Window size	Window combinations
MK06	2x2 roof windows or 2x3 roof windows
PK06	2x2 roof windows
SK06	2x2 roof windows

All standard VELUX roof windows (including the VELUX INTEGRA® range) in the above sizes can be used for the VELUX Dormer.

Roof windows with white interior finish (white painted wooden windows or white polyurethane windows) are recommended as the visible wooden fascia boards (see page 4 ) supplied with the Dormer have a white painted finish.

() = Effective daylight area, m², for each roof window in the combination.



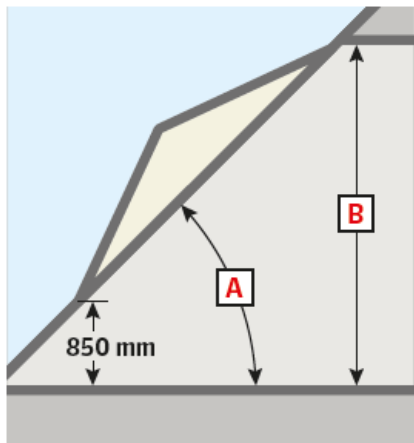
The VELUX Dormer is an innovative alternative to the traditional dormer. By lifting the roof windows out of the roof, VELUX Dormer adds both extra living space and much more natural daylight than a traditional dormer.

The VELUX Dormer is available with

- 4 **or** 6 roof windows respectively
- top operated centre-pivot roof windows **or** bottom operated top-hung roof window
- manually operated **or** VELUX INTEGRA® electric/solar powered roof windows
- white finish **or** clear lacquered pine finish (white finish is recommended)

For more information, see External product information sheet for the individual window types

Minimum ceiling height B - depending on roof pitch A



A	min. B mm
35°	2003
40°	2171
45°	2328
50°	2470
55°	2600
60°	2714
65°	2815
70°	2900

Technical performance of construction

Thermal performance

The energy loss for the entire Dormer construction is a combination of the energy loss from windows, joints and kerb elements, see Figure 1 below.

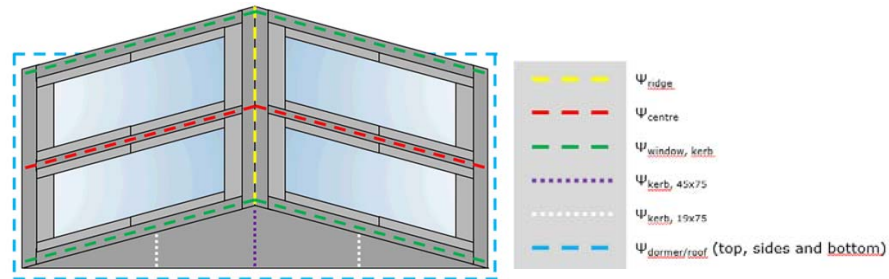


Figure 1. Overview of linear heat loss in the Dormer construction and between the VELUX Dormer and the roof construction.

Linear heat loss Ψ in construction and U-value of kerb elements			Length or area
Ψ_{ridge} [W/m/K]	0.130	Linear heat loss for the ridge between bottom section of top window and top section of bottom window	Total width of roof windows
Ψ_{centre} [W/m/K]	-0.028	Linear heat loss in the side joint between two neighbouring roof windows	$(n - 2) \times$ height of roof window $(n = \text{total no. of roof windows})$
$\Psi_{\text{window, kerb}}$ [W/m/K]	0.050	Linear heat loss in the joint between roof window and kerb element	4 x height of roof window
$\Psi_{\text{kerb, 45x75}}$ [W/m/K]	0.009	Linear heat loss in kerb element, with 45x75 reinforcement	2 x height of kerb elements, from top to bottom of ridge
$\Psi_{\text{kerb, 19x75}}$ [W/m/K]	0.005	Linear heat loss in kerb element, with 19x75 reinforcement	4 x length of 19x25 reinforcement
$\Psi_{\text{dormer/roof}}$ [W/m/K]	0.145	Top	The linear heat loss between Dormer and roof construction has been calculated for a roof construction with 345 mm insulation
	0.072	Side	
	0.163	Bottom	
U_{kerb} [W/m ² /K]	0.18	U-value of kerb elements	Total area of kerb elements

Resistance to fire	NPD*	*Pay attention to local requirements for distance to fire sections
External fire	NPD*	*Pay attention to local requirements for distance to fire sections
Reaction to fire	Class E	
Sound insulation	R_w [dB] 35 dB *1 $R_{A,tr}$ 31 dB *2	Acoustic performance is based on an assumption of use of 13 mm drywall on the inside of the kerb elements *1 When installed with insulating glass unit (IGU) variants --50,--59,--70,--70Q and --73 *2 When installed with IGU variant --54
Strength and stability	Structural calculations according to Eurocodes 0.1 and 5 (DS/EN 1990, 1991 and 1995 and relevant Danish annexes)	

For other relevant technical values, see product descriptions for individual roof windows

Features



1 Bottom trimmer

- laminated pinewood
- customised, no adjustments



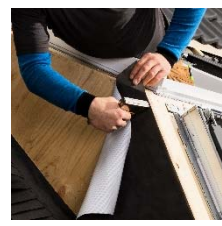
2 Kerb element

- prefabricated kerb element
- OSB board
- 125 mm polyurethane insulation material



3 Middle trimmer

- laminated pinewood
- customised, no adjustments



4 Underfelt collar BFX

- diffusion open material with pleated sides
- drainage gutter included
- easy and tight connection to underfelt of roof construction



5 Frame insulation collar BDX

- shaped polyethylene in a steel frame
- easy and effective insulation around the frame



6 VELUX flashing system

- lacquered aluminium
- colour: grey
- all necessary flashing components included



7 Transverse gutter

- lacquered aluminium
- colour: grey
- ensures drainage between top and bottom row of windows



8 Fascia boards

- White painted pinewood
- connect the side frames
- no bearing function, only stylish finish

Cleaning and maintenance of windows and flashing



To clean the outer pane from the inside, rotate sash and secure in cleaning position with barrel bolts.



Leaves and other debris should be removed from the flashing once per year to allow rainwater to flow freely.

Exterior covers

Material	NCS standard colour	RAL nearest standard colour
Lacquered aluminium (-0-) grey	S 7500-N	7043

Special colour requests, please contact velux.bg.

Interior window finish

White paint	Impregnation and layers of water-based acrylic lacquer and paint, NCS standard colour: S 0500-N, nearest RAL standard colour: 9003
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All standard VELUX roof windows can be used in a VELUX Dormer - but to match the surface of the white painted fascia boards supplied, white painted windows are recommended.

Special colour requests, please contact velux.bg.

Application / order codes

VELUX Dormer with flashing components EBW is only available for profiled roofing materials with a profile height of 15–120 mm.

VELUX Dormer is available with 4 or 6 roof windows:



The following flashings are available:

- EBW **MK06 2022BK** kerb flashing for **2x2** windows in size **MK06**
- EBW **MK06 2032BK** kerb flashing for **3x2** windows in size **MK06**
- EBW **PK06 2022BK** kerb flashing for **2x2** windows in size **PK06**
- EBW **SK06 2022BK** kerb flashing for **2x2** windows in size **SK06**

Frame insulation collar BDX and underfelt collar BFX with drainage gutter are included.

Lining is not part of the VELUX Dormer but must be made on site.

Blinds and awnings options



Interior suncreening

- Blackout blind
- Roller blind
- Pleated blind
- Flying pleated blind
- Double pleated energy blind
- Venetian blind
- Duo blackout blind



Exterior suncreening

- Awning blind

- Available in manual, electric and solar powered versions
- Available in manual and electric versions
- Available in manual version

The electric and solar powered versions are part of the VELUX INTEGRA® product range.

Note

We reserve the right to make technical changes.

For more information on VELUX Dormer and other VELUX products, please visit velux.bg.