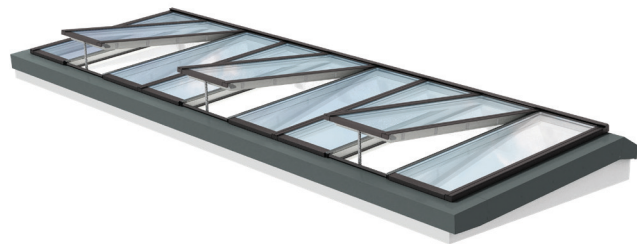


Solutions

VELUX Modular Skylights can be combined in a number of configurations to create perfect solutions for a wide variety of building types, from narrow corridors and internal courts to studios and large circulation spaces. Each solution is delivered with a specially designed, prefabricated flashing ensuring a perfect system.

Mono pitched solutions

Longlight 5-30° **Page: 52**



Wall-mounted Longlight 5-45° **Page: 54**

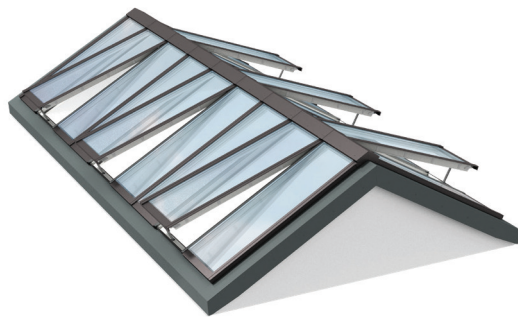


Northlight 25-90° **Page: 56**

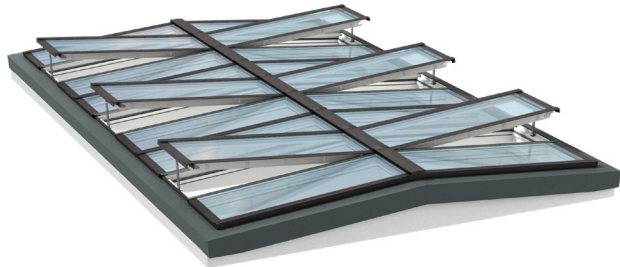


Dual pitched solutions

Ridgelight 25-40° **Page: 58**

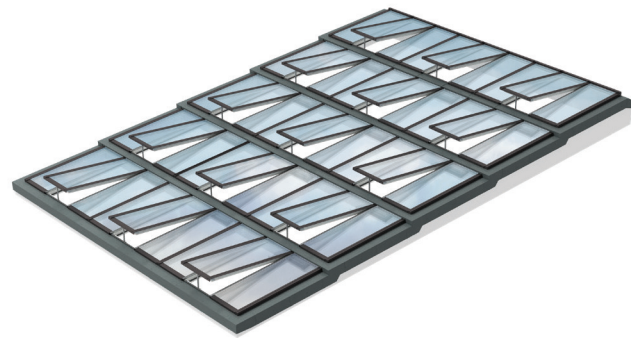


Ridgelight at 5° with Beams **Page: 60**

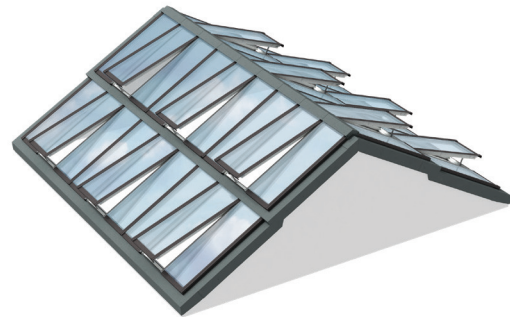


Step solutions

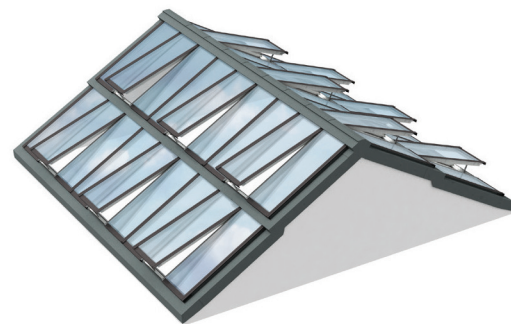
Step Longlight 5-25° **Page: 64**



Step Ridgelight 25° **Page: 66**

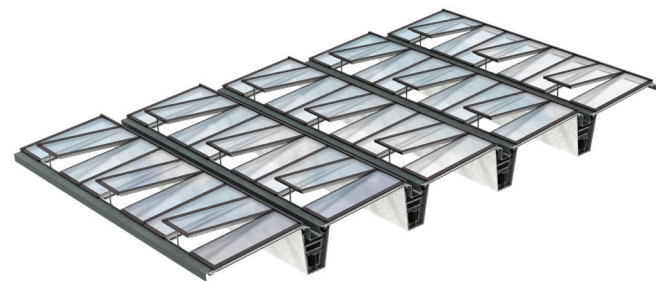


Step Ridgelight 5-25° on Girder **Page: 68**



Atrium solutions

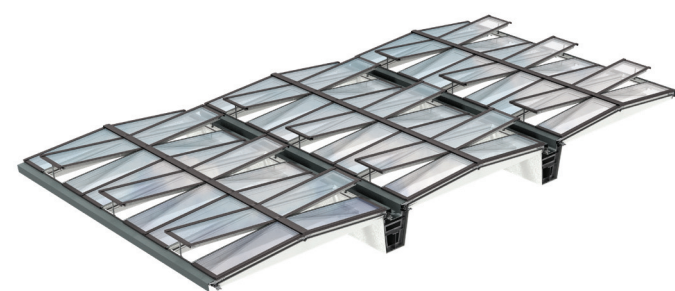
Atrium Longlight 5-30° **Page: 70**

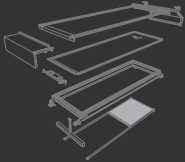


Atrium Ridgelight 25-40° **Page: 72**



Atrium Ridgelight at 5° with Beams **Page: 72**





Brackets & hinges

Material and surface treatment

Metal components in VELUX Modular Skylights are made of galvanized steel.

The majority of the steel components are electroplated according to European norm EN ISO 2081 table A1 – C: iridescent. Components fulfill corrosion resistance grade 4 in accordance with EN ISO 1670.

Based on these properties, VELUX Modular Skylights can be used where external weather conditions and indoor climate conditions are within the normal spectre of corrosiveness.

Note: VELUX Modular Skylights standard solutions must NOT be used in indoor environments where the risk of condensation on metal components can lead to extreme corrosive attacks. These environments include facilities that use highly corrosive substances, e.g. salt and/or chloride. Evaporation can lead to corrosive attacks on components, weaken the functionality and in the end compromise the structural integrity of the installation. For use of VELUX Modular Skylights in buildings with swimming pools, specific swimming pool products are available, see page 33.

Brackets

VELUX Modular Skylights are supplied with mounting brackets and clamps and are ready to be installed on any preferred sub-construction made of steel, concrete or wood finished with a steel profile at the top. Mounting brackets are fixed during installation with a clamping system holding the skylight in place.

Using a steel profile on top of the sub-construction is an advantage, as the clamps at any time during installation can be released to allow minor positional adjustment of the modules.

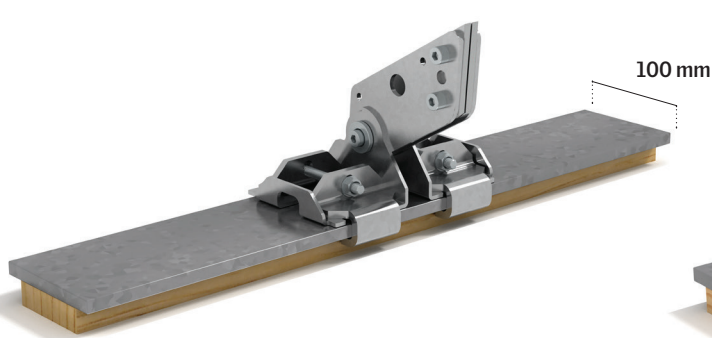
If the customer chooses not to use the mounting clamps, but to screw the mounting brackets directly into the wooden batten, please note that the screws are not included in the VELUX delivery, and therefore delivery and correct dimensioning must be ensured by the customer.

Hinges

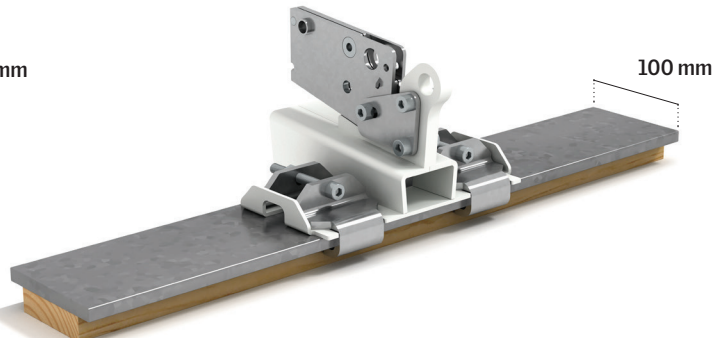
The pre-fitted hinges of the venting modules are tested under the most severe conditions, by continuously opening and closing the largest and heaviest modules.



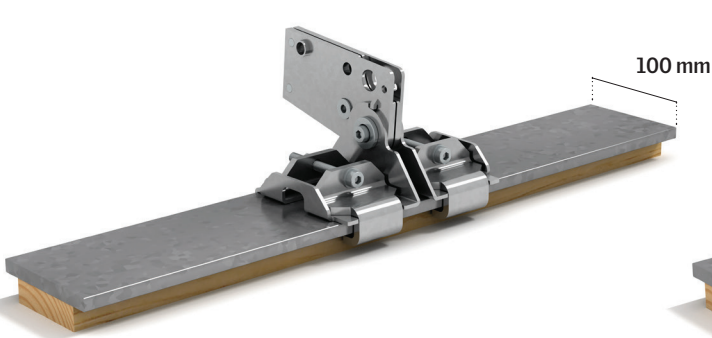
Examples of brackets & hinges



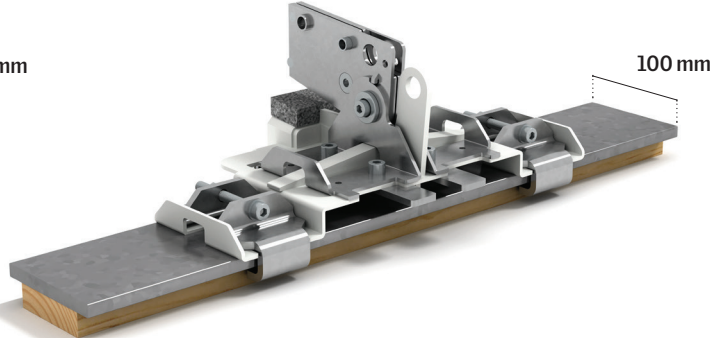
Top bracket for Longlight 5-30°



Bottom bracket for Ridgelight at 5° with Beams. Parallel beam with curved profile.



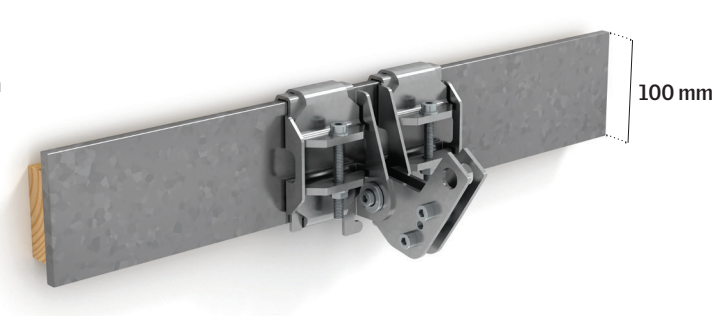
Bottom bracket for Longlight 5-30° and Ridgelight 25-40°



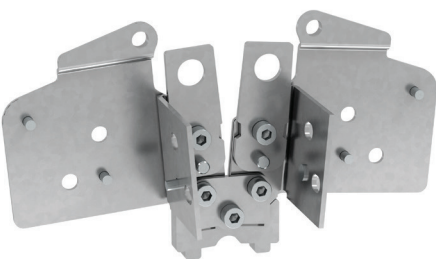
Bottom bracket for Ridgelight at 5° with Beams. Horizontal beam with rectangular profile.



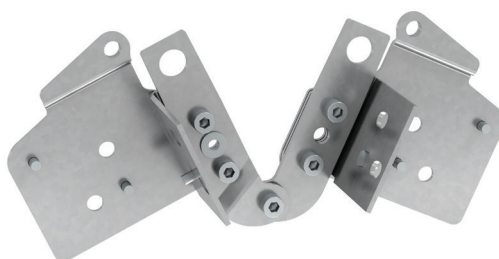
Top bracket for Northlight 25-90°



Top bracket for Wall-mounted Longlight 5-45°



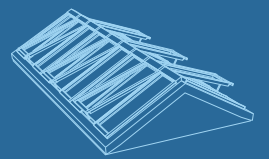
Top bracket for Ridgelight at 5° with Beams



Top bracket for Ridgelight 25-40°



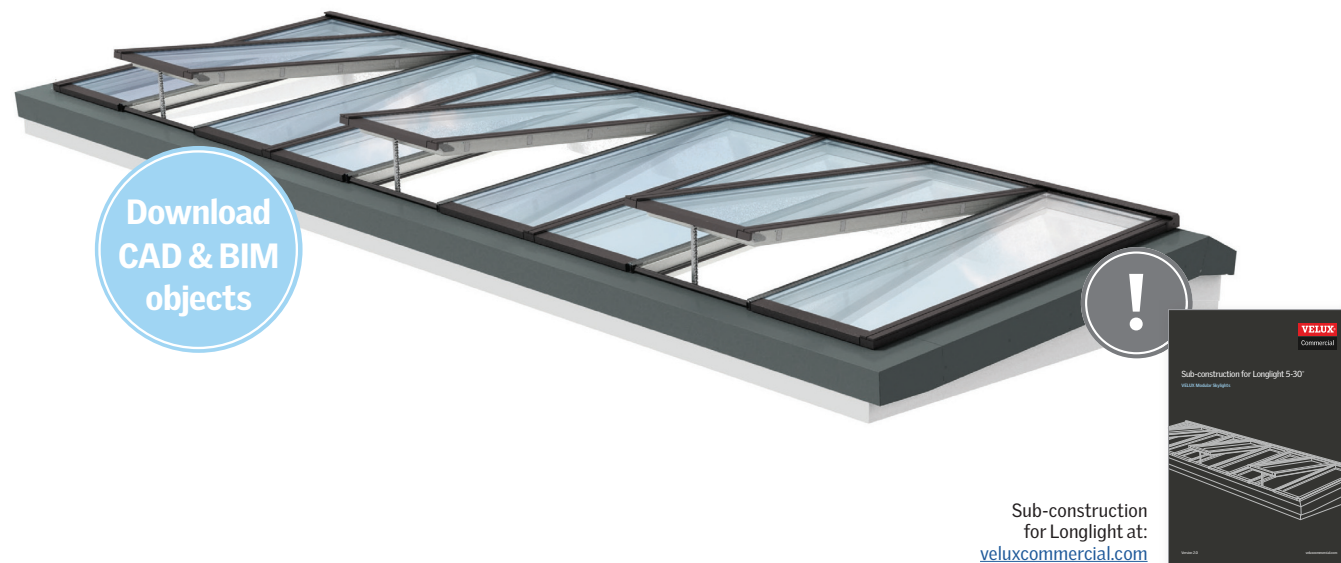
Clamp for fixing mounting bracket on steel profile



Longlight 5-30°

Longlights are bands of VELUX Modular Skylights, supplied with installation brackets and clamps that guarantee a fast and secure installation. The prefabricated flashing allows for configurations with a pitch of 5 to 30°.

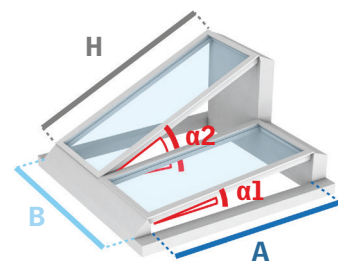
Longlights are mounted on a standard steel profile, 100 mm wide (not a VELUX component). The brackets are fixed with a clamping system holding the skylights in place. It is also possible to install the mounting brackets of a Longlight directly onto a wooden batten without using the clamps.



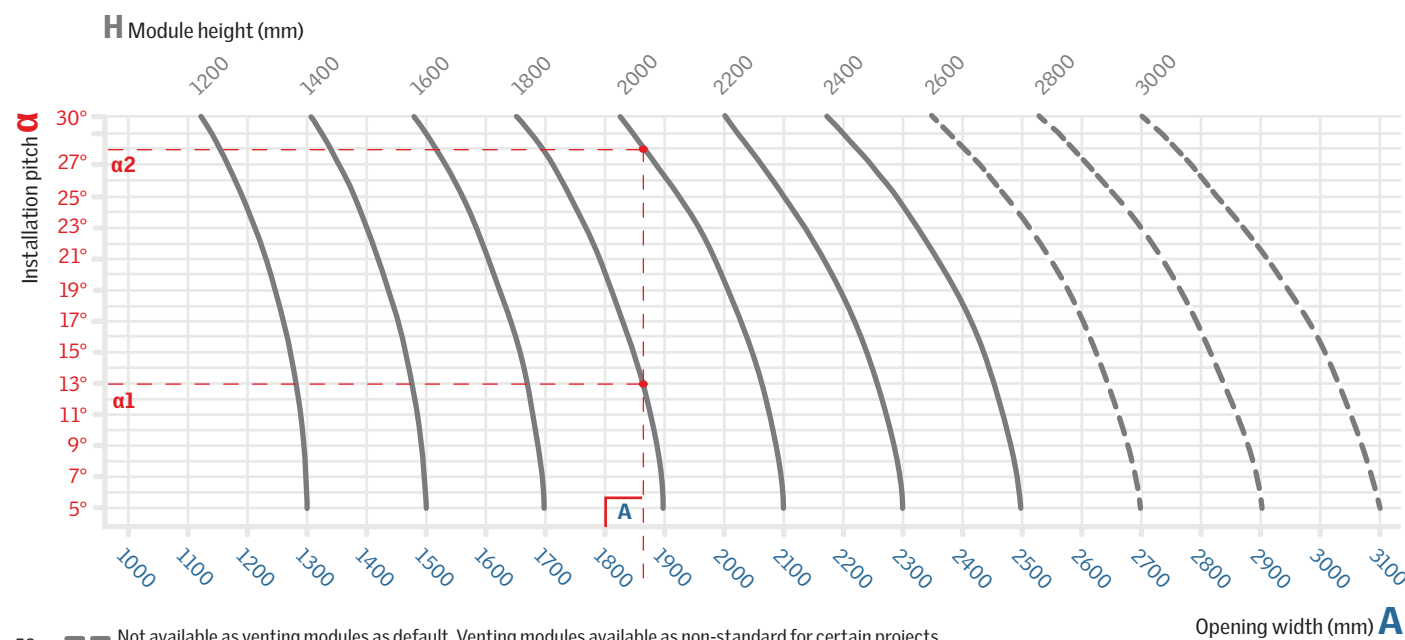
Use the table to define module height (H) and/or installation pitch (α).

Example:
A = 1875 mm

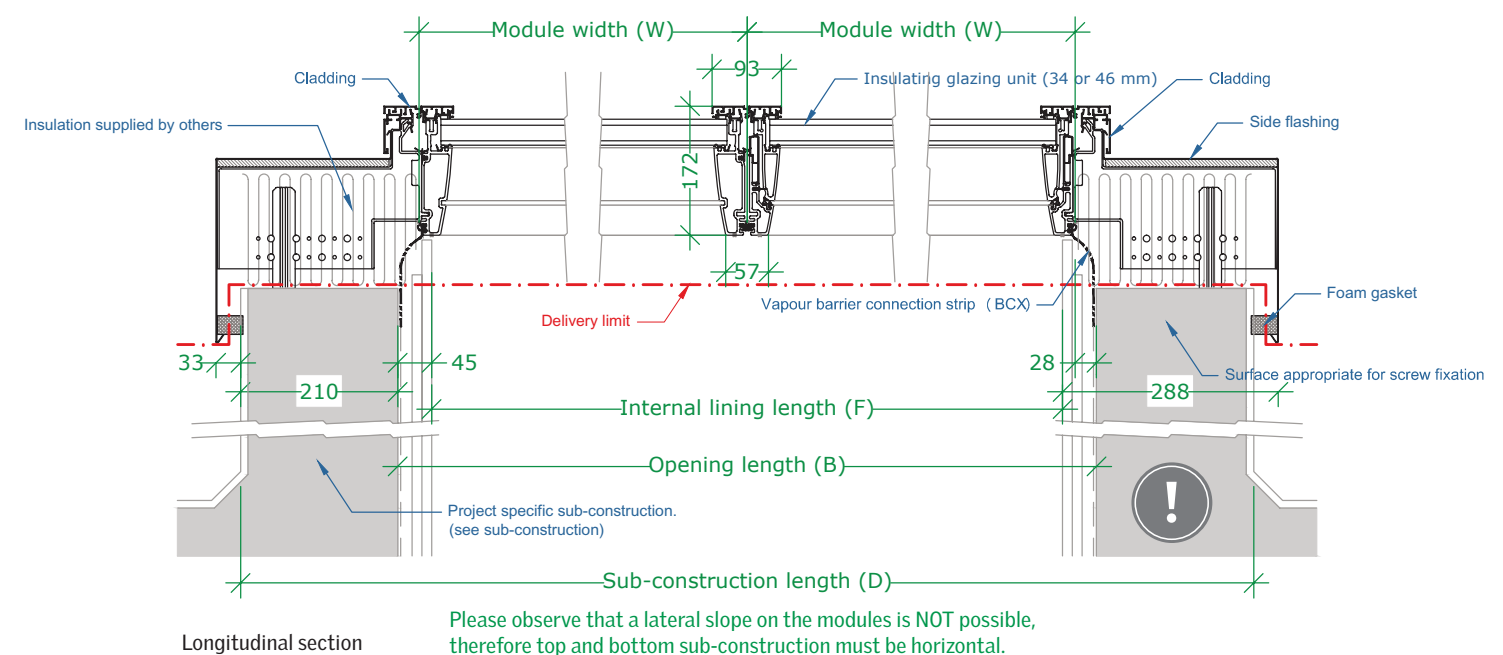
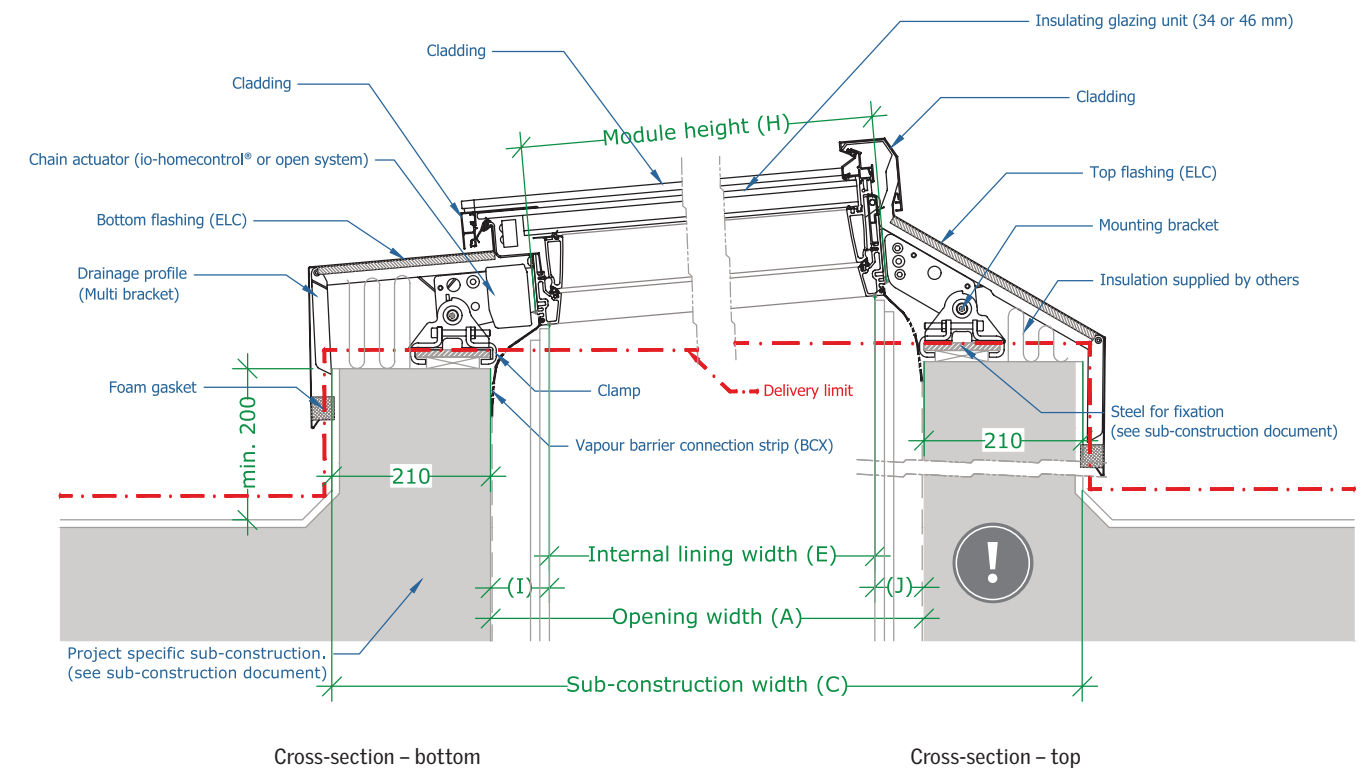
Result:
 $\alpha 1$: H = 1800 mm at an installation pitch of 13°
or
 $\alpha 2$: H = 2000 mm at an installation pitch of 28°



H: Module height
 α : Installation pitch
A: Opening width
B: Opening length



Sectional drawings



A diagram illustrating the assembly of a rectangular frame. It shows a dark brown rectangular frame with four L-shaped corner brackets. Two brackets are already attached to the bottom-left and bottom-right corners of the frame. The other two brackets are shown separately, one above the top-right corner and one to the right of the top-left corner, indicating they are to be attached next.

A 3D illustration of a skylight installed on a blue-tiled roof. The skylight has a black frame and multiple parallel glass panes. It is shown from an isometric perspective, casting a shadow on the roof tiles.

A 3D perspective illustration of a skylight. The skylight is composed of a grid of glass panes held together by a dark frame. Light rays are shown entering from the top right, passing through the glass panes, and reflecting off the bottom surface of the skylight. The skylight is set into a blue-tinted surface, possibly a roof or floor, with a grid pattern.

A 3D perspective diagram showing a rectangular frame made of four dark grey L-shaped brackets. The brackets are positioned at the corners of the frame, with their long legs forming the sides and their short legs forming the corners. The frame is shown in a slightly elevated position above a horizontal line representing the ground.

ERC

080

160

0

0

0

25

D

B

Type	Module width	Module height	Interior	Exterior flashing	Exterior cladding	Installation pitch				VMS Cover	Generation
E = Flashing	067 = 675 mm	120 = 1200 mm	0 = std.	0 = std.	0 = std.	05 = 5°, 10 = 10° etc.				D = Extra cover	
	075 = 750 mm	140 = 1400 mm	Only relevant on ERC:	NCS standard colour:	"Noir 2100 Sable YW" Akzo Nobel	Standard pitches:				Extra Cover When HVC ≥ HFC	
L = Longlight	080 = 800 mm	160 = 1600 mm				ELC	ERC	EW	ENC		
R = Ridgelight	090 = 900 mm	180 = 1800 mm				05	05	05			
N = Northlight	100 = 1000 mm	200 = 2000 mm	Beams and Inner ridge covering	S 7500-N (RAL 7043)	8 = special	10		10	1 pcs for ELC/ ERC/ ENC		
W = Wall-mounted Longlight		220 = 2200 mm				15		15			
		240 = 2400 mm				20		20			
		260 = 2600 mm	25	25	25						
C = Commercial Market		280 = 2800 mm	RAL colour 9010, gloss 30	8 = special	8 = special		30	30	2 pcs for ERC		
		300 = 3000 mm					35	35			
			8 = special			40	40				
								25			
								55			

Flashing configuration

Step solution extension flashing