

Atrium Ridgelight & Atrium Ridgelight at 5° with Beams

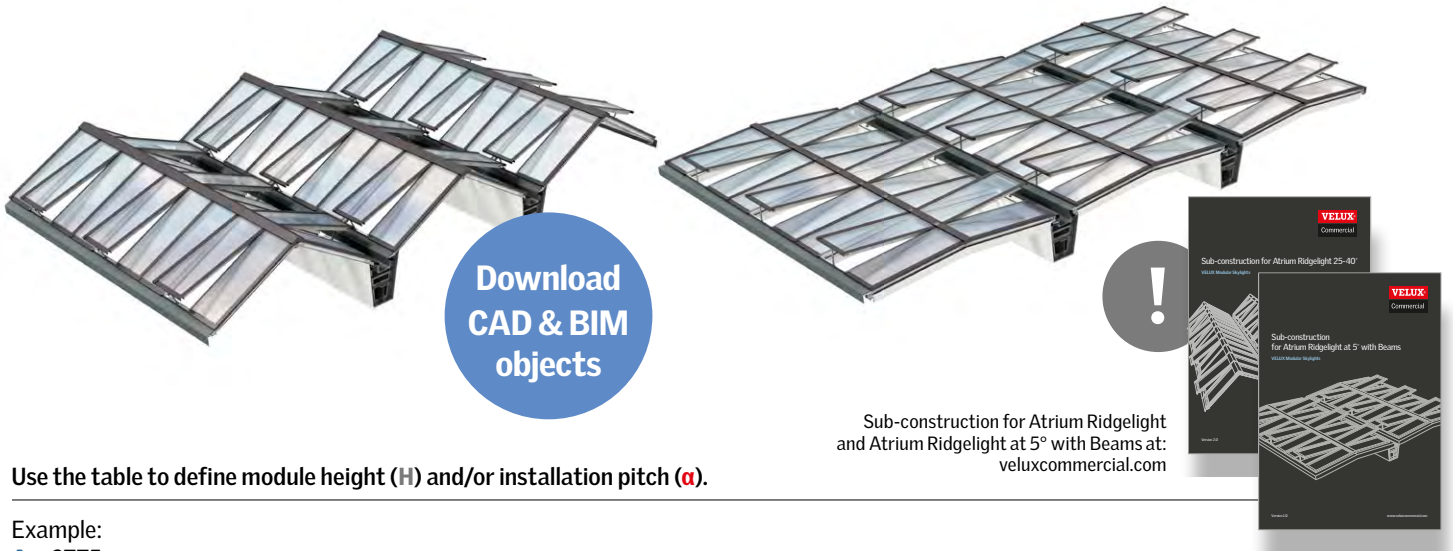
TECHNISCHE FICHE

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An Atrium Ridgelight solution consists of several Ridgelights attached to each other in the sub-construction. A drainage gutter separates each strip.

The supporting steel beams are not included in the VELUX delivery. The support structure is part of the primary structure of a building and must be designed by a structural engineer.

The distance between the skylights depends on thickness of insulation, width of drainage gutter and pitch of skylights. The shown example of an Atrium is designed with 100 mm insulation and a 400 mm wide drainage gutter in a 5° pitch, resulting in a distance between the skylights of 820 mm.

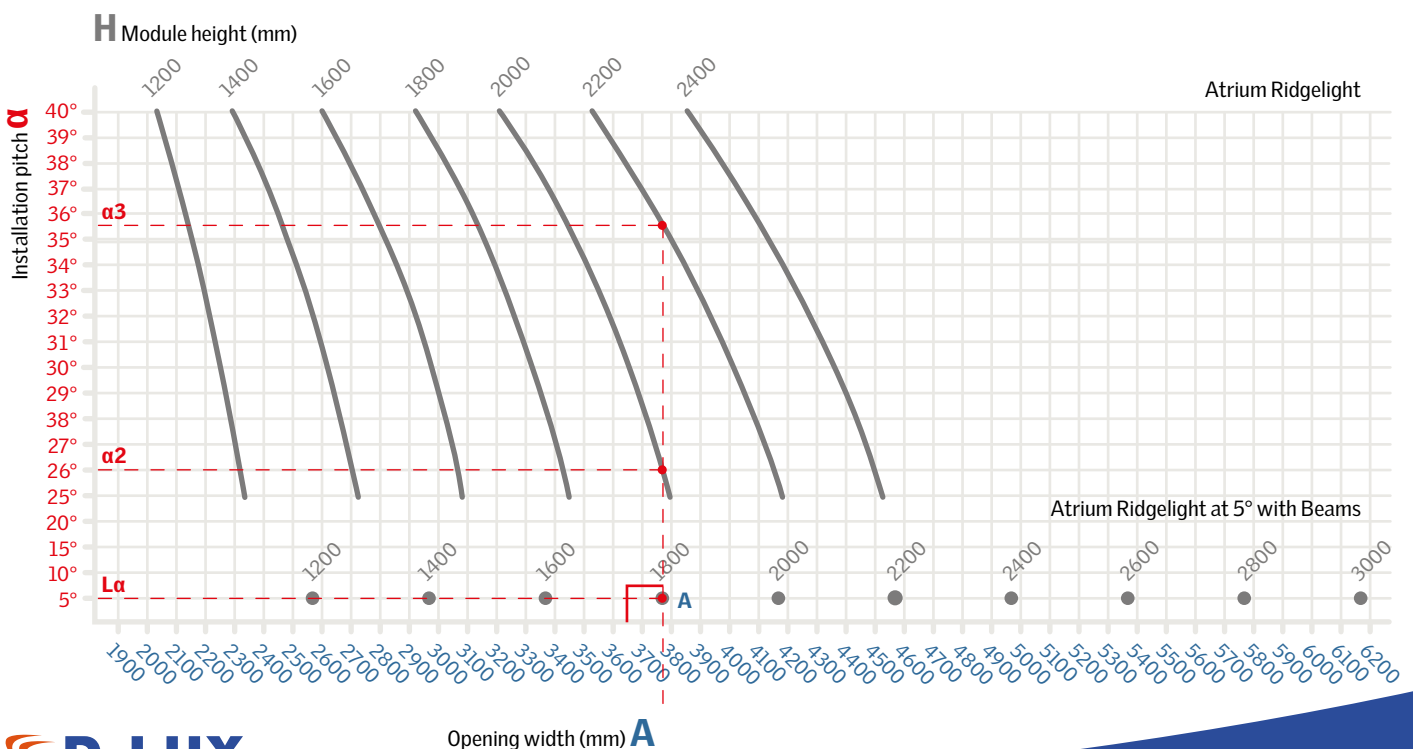


Sub-construction for Atrium Ridgelight and Atrium Ridgelight at 5° with Beams at: veluxcommercial.com

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

Example:
 $A = 3775 \text{ mm}$

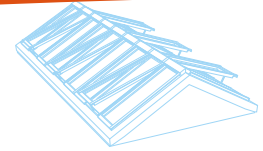
Result:
 α_1 : $H = 1800 \text{ mm}$ at an installation pitch of 5°
 α_2 : $H = 2000 \text{ mm}$ at an installation pitch of 26°
 or
 α_3 : $H = 2200 \text{ mm}$ at an installation pitch of 35.5°



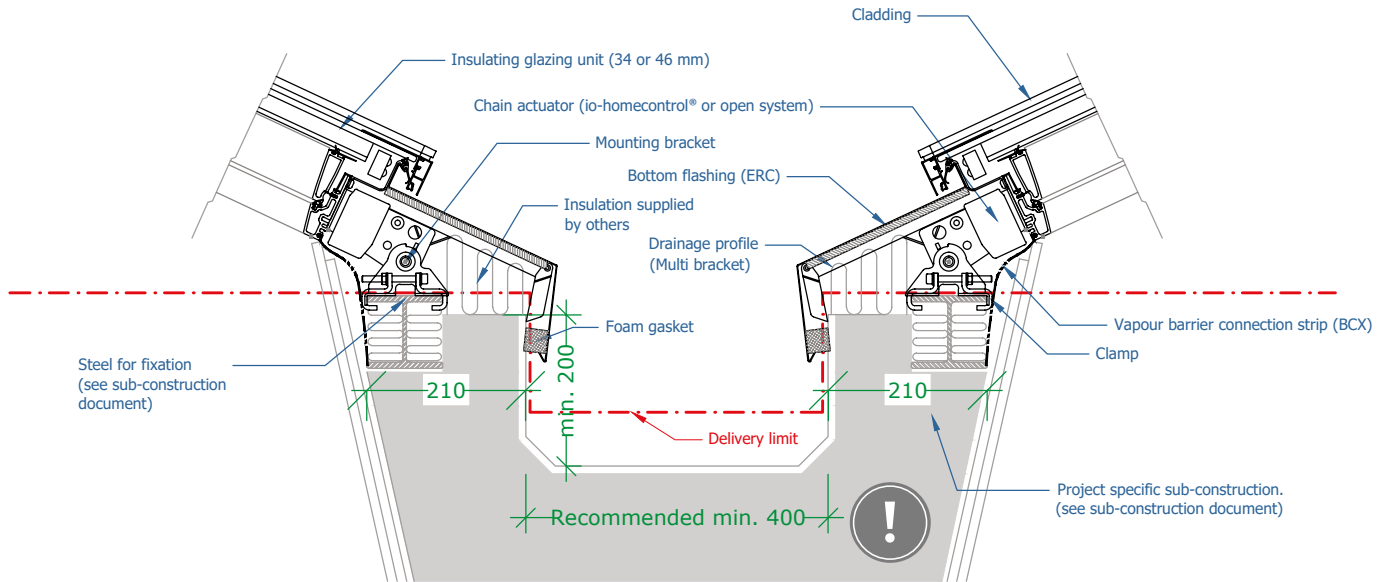
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Solutions

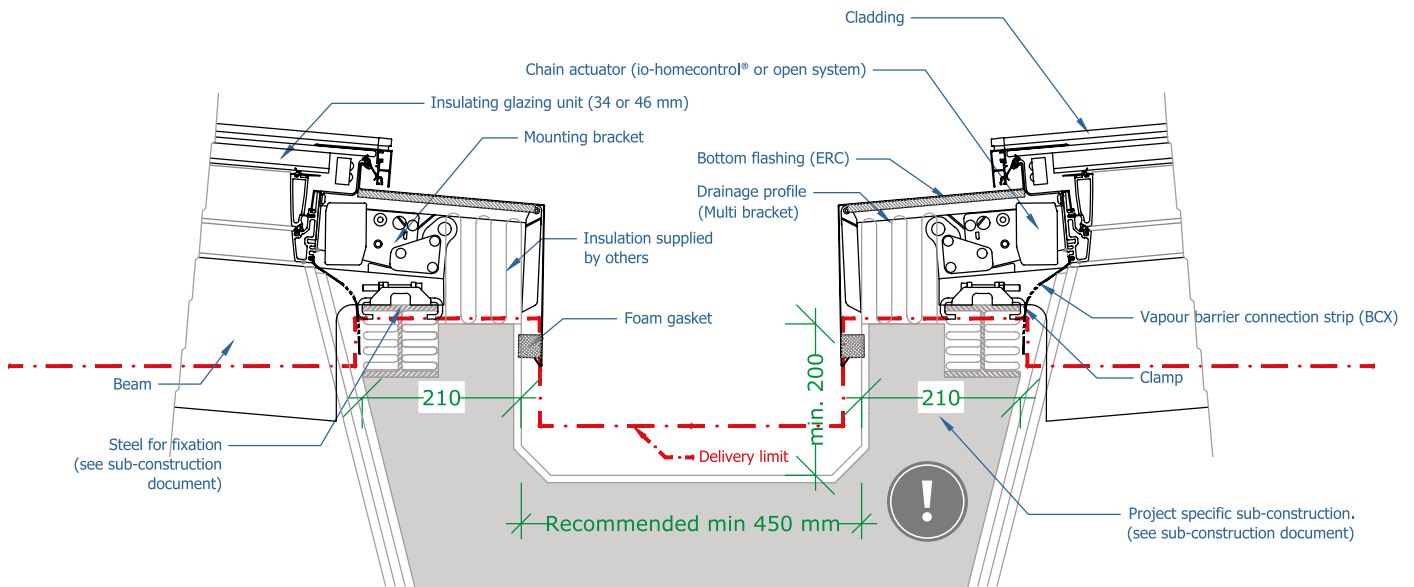


Sectional drawings



Cross-section - bottom

Cross-section - bottom



Cross-section - bottom

Cross-section - bottom

Please observe that a lateral slope on the modules is NOT possible, therefore top and bottom sub-construction must be horizontal.