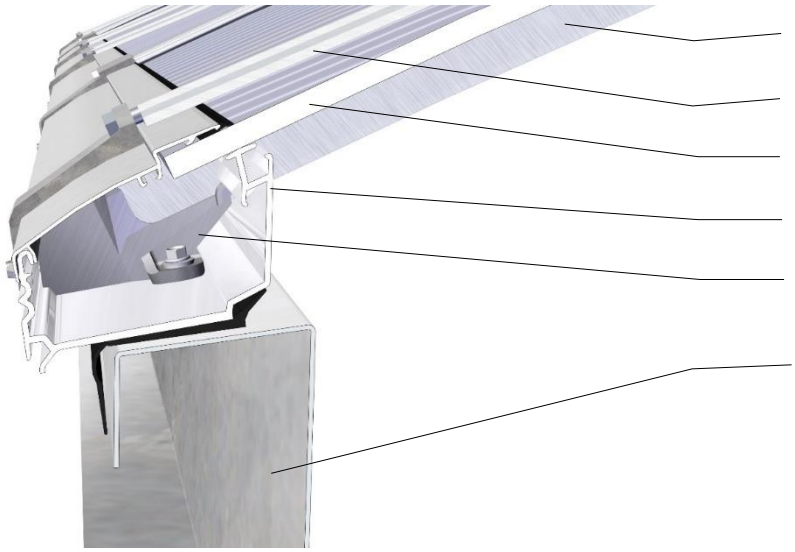
LAMILUX Continuous Rooflight B.

Technical data sheet.

The Continuous Rooflight B is the arched design barrel vault rooflight suitable to improve both natural daylight and ventilation into industrial buildings. Offering a range of optional integrated flaps for both natural and smoke ventilation, the continuous rooflight offers high levels of wind and rain resistance and has enhanced isothermal characteristics in the overall construction – this results in no condensation whilst achieving maximum energy efficiency and thermal insulation. The construction weighs approximately 15kg/m² and is available in widths from 0.8m to 6m.

Materials.



- Aluminium supporting strut
- Aluminium cover strip
- Glazing: PET G
- PVC frame
- Aluminium load converter
- Frame: Steel, concrete, timber (not by LAMILUX as standard, please contact your sales representative to discuss LAMILUX options)

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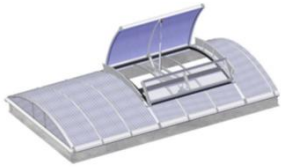
Flap variants.

Fixed rooflight

Single flap

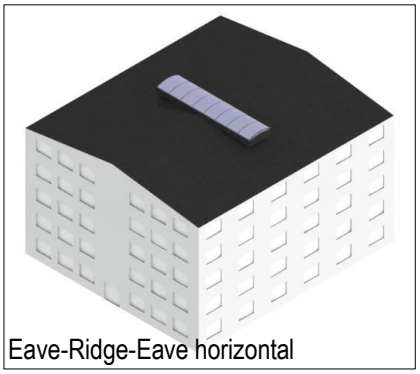
Double Flap



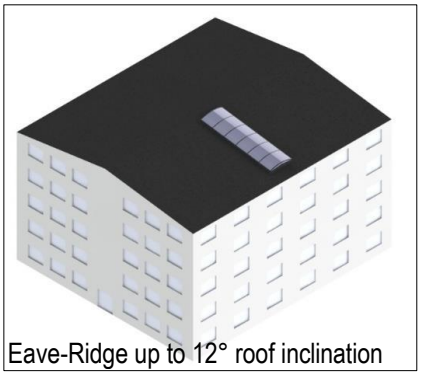
Asymmetric Flap

Installation variants.

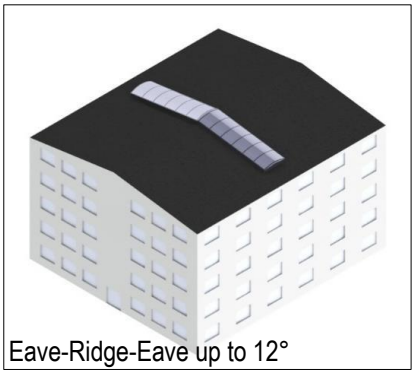
For roof inclinations not detailed below, please call to discuss.



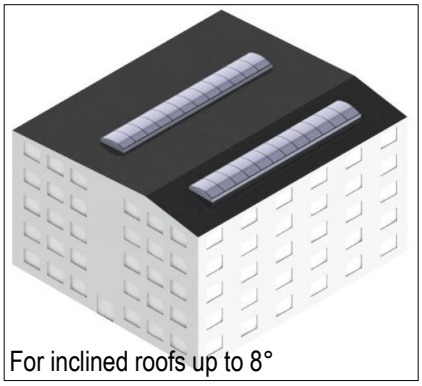
Eave-Ridge-Eave horizontal



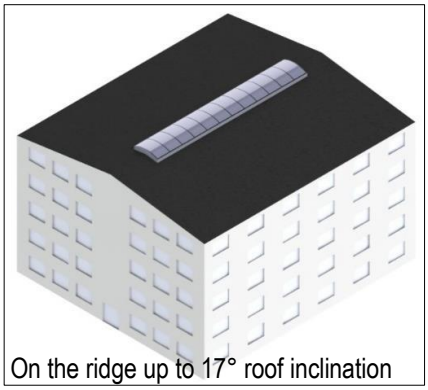
Eave-Ridge up to 12° roof inclination



Eave-Ridge-Eave up to 12°



For inclined roofs up to 8°



On the ridge up to 17° roof inclination

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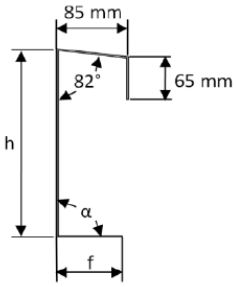
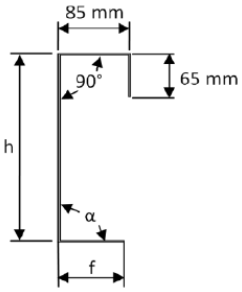
Frame connections.

Timber / wood

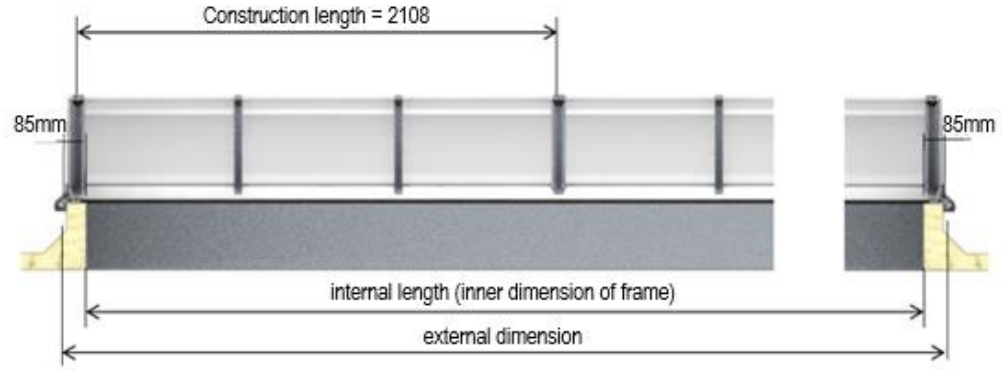
Steel sheet

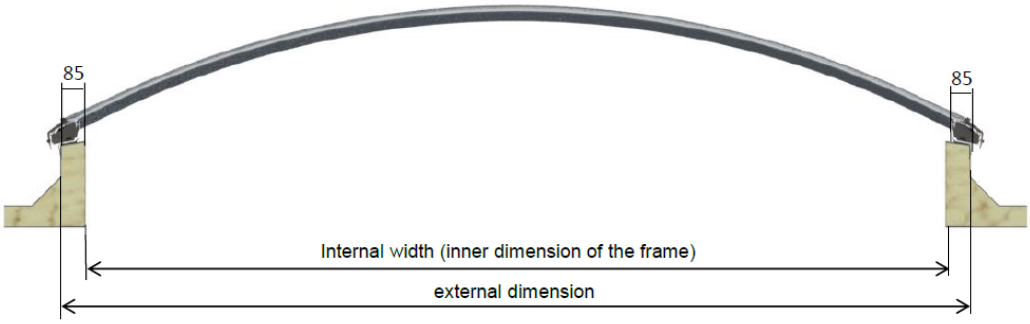
Concrete





Substructure needs to be designed to withstand all loadings which may require ties. When LAMILUX supplies the sub-structure, LAMILUX prepares calculations and includes for ties. When not supplied by LAMILUX, then design of sub-structure by others to take into account the system loadings including compressive and tension forces.





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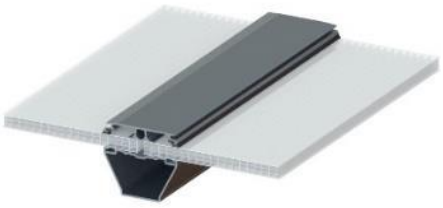
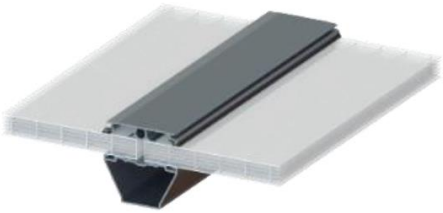
Glazing.

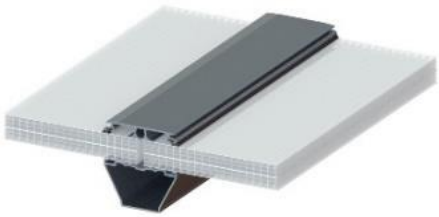
Further glazing types and options are available (such as Aerogel & GRP.). Please call us to discuss specific project specification requirements if they are not included in the below table.



PC10



PC16



PC10 + PC10

Type	Ug value (vertical installation)	Ug value (horizontal installation)	Sound insulation value Rw,p	Melting Out Area according to DIN 18230	Installation Thickness	Weight
PC10	2.5 W/(m²K)	2.7 W/(m²K)	C. 17dB	<300°C	10mm	1.75 kg/m²
PC16	1.8 W/(m²K)	1.9 W/(m²K)	C. 20dB	<300°C	16mm	2.80 kg/m²
PC10 + PC10	1.6 W/(m²K)	1.7 W/(m²K)	C. 21dB	<300°C	20mm	3.50 kg/m²

Ventilation details.

Pneumatic Cylinder
- SHEV
- Daily ventilation

Electric motor (24v)
- SHEV
- Daily ventilation

Electric motor (230v)
- Daily ventilation

Chain drive
- Daily ventilation

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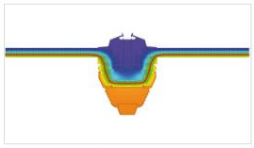
Performance.

For full product performance specification available on request.

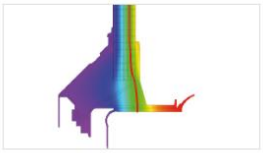
- CE marked quality according to EN 1873.
- Life Cycle Assessment (LCA) to EN 15804.
- Wind Load to Class C4, EN 12210.
- ACR[M] Class B Non-fragile
- Thermally broken: 10° isothermal line remains within the structure (see diagrams)


Base profile


Ridge profile double flap


Eave profile flap


Gable wall arch profile


Gable base profile

Delivery, packing and storage.

All deliveries, unless otherwise agreed in writing, are by road transport and subject to our standard delivery terms, which are available within the document: ‘Company overview and standard delivery and installation terms.’ Off-loading is the responsibility of the buyer. Details of packing and safe storage are also included in this document.

Interface and fitting.

Installation service is subject to our standard installation terms, which are available within the document: ‘Company overview and standard delivery and installation terms.’ Please call to discuss contract/site specific install requirements.

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