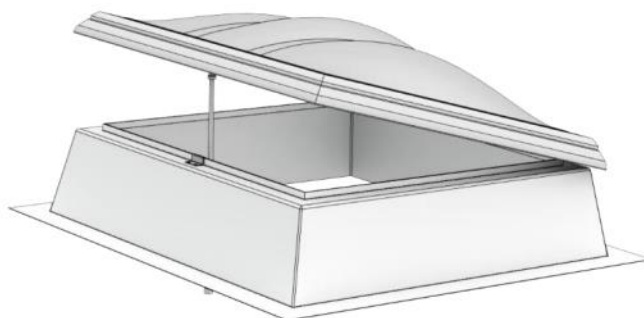


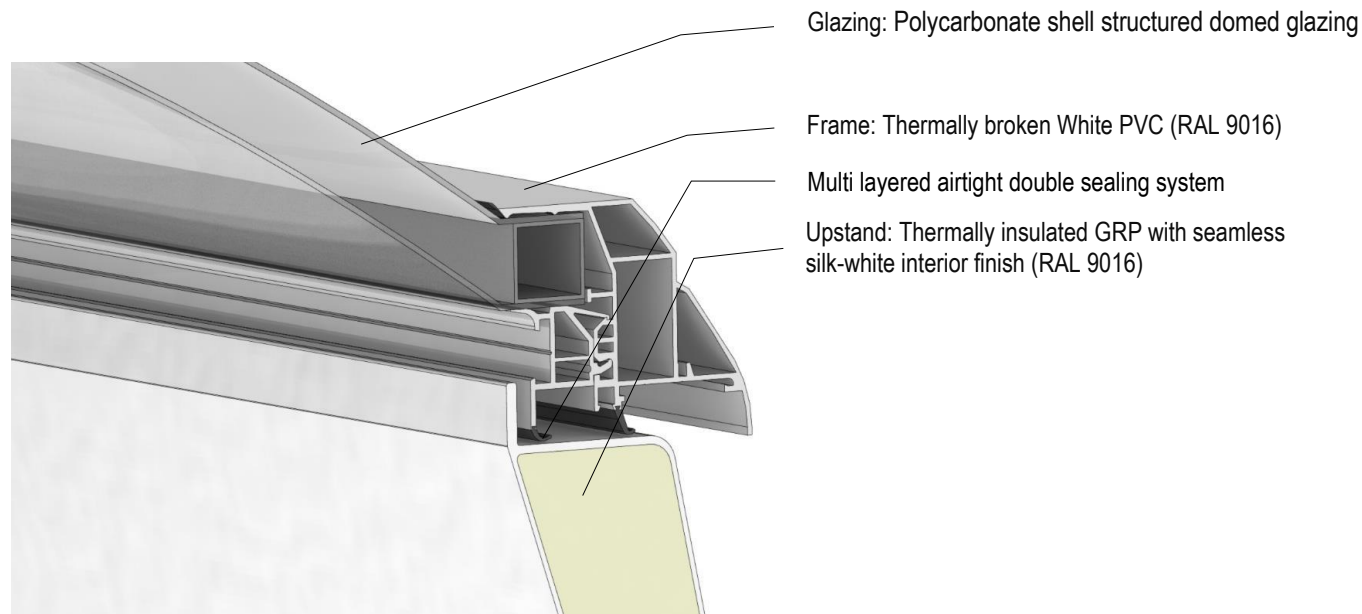
LAMILUX Rooflight F100 W.

Technical data sheet.




























The Rooflight F100 W offers a cost effective design structured with a wave shaped shell designed to increase the rooflights rigidity and load bearing. With high levels of wind and rain resistance, excellent air tightness values and enhanced isothermal characteristics, this rooflight is designed to perform and stay watertight in all weather conditions. Suitable for natural daylight, daily ventilation, and optionally available as a smoke vent, the wave shaped dome Rooflight F100 W is an ideal addition for flat roof commercial or industrial building projects, and School new builds increasing daylight transmission into the building.






















Materials.



Dimensions.



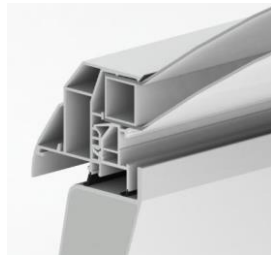
Structural roof opening size (mm)	Hinge side	Lighting area (m ²)
500 x 1000		0.26
500 x 1500		0.42
600 x 600		0.18
600 x 900		0.30
600 x 1200		0.43
700 x 1350		0.61
800 x 800		0.38
800 x 1500		0.82
900 x 900		0.52
900 x 1200		0.73
900 x 1450		1.08
1000 x 1000		0.67
1000 x 1500		1.08
1000 x 2000		1.49
1000 x 2400		1.82
1000 x 2500		1.90
1000 x 3000*		2.31
1200 x 1200		1.04
1200 x 1500		1.35
1200 x 1800		1.65
1200 x 2400		2.26
1200 x 2500		2.37
1200 x 2700		2.57
1200 x 3000*		2.88
1250 x 1250		1.15

Structural roof opening size (mm)	Hinge side	Lighting area (m ²)
1250 x 2500		2.48
1350 x 2300		2.48
1400 x 1400		1.49
1500 x 1500		1.74
1500 x 1800		2.14
1500 x 2000		2.40
1500 x 2100		2.53
1500 x 2400		2.93
1500 x 2500		3.06
1500 x 2700		3.33
1500 x 3000*		3.72
1800 x 1800		2.62
1800 x 2100		3.11
1800 x 2400		3.60
1800 x 2500		3.75
1800 x 2700		4.08
1800 x 3000*		4.57
1800 x 3200*		4.89
2000 x 2000*		3.31
2000 x 2500*		4.22
2000 x 3500*		6.04

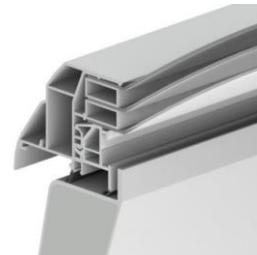
*dimensions marked with * are not ACR[M]
Class B Non-fragile

Upper part.

Glazing: Impact resistant polyethylene (PETG) domed glazing is available as clear or opal.



Double glazed

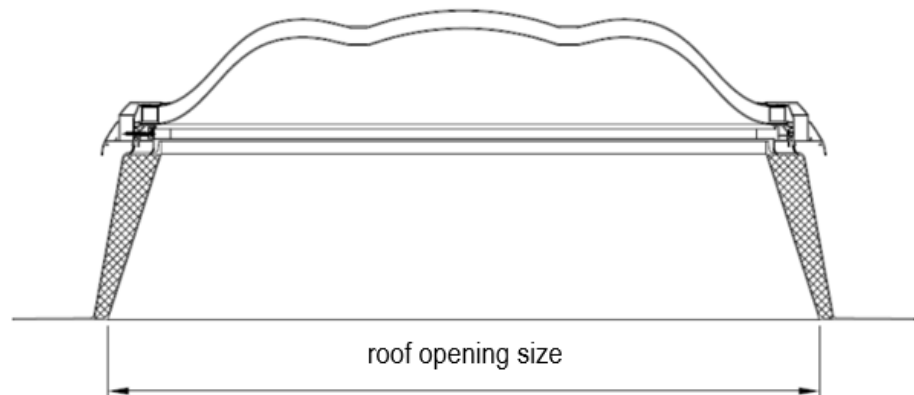


Triple glazed

Type	Glazing outside	Glazing centre	Glazing inside	Light Transmission	Total energy transmittance	Sound insulation value $R_{w,p}$	Heat transition U_t (W/m ² K)
Double glazed - standard	opal	-	clear	66%	0.66	24dB	2.6
	clear	-	clear	77%	0.77	24dB	2.6
Triple glazed - standard	opal	clear	clear	58%	0.58	-	1.9
	clear	clear	clear	68%	0.68	-	1.9

Roof opening size (longer side*)	Number of waves
600mm	2
800mm	2
900mm	2
1000mm	3
1200mm	3
1250mm	3
1350mm	4
1400mm	4
1450mm	4
1500mm	4
1800mm	5
2000mm	5
2100mm	6
2300mm	6
2400mm	7
2500mm	7
2700mm	8
3000mm	8

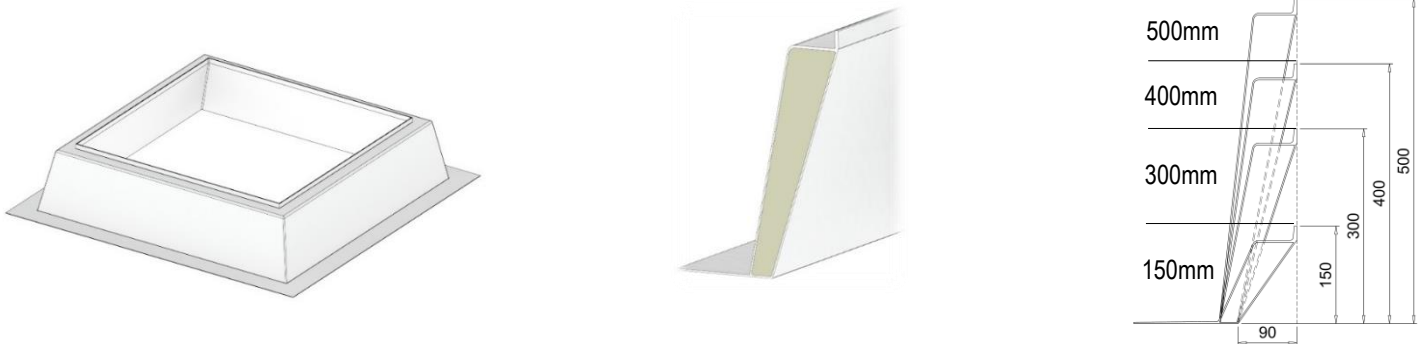
*The 2nd structural roof opening size (longer side) listed on page 2 is decisive for the number of waves



Upstand.

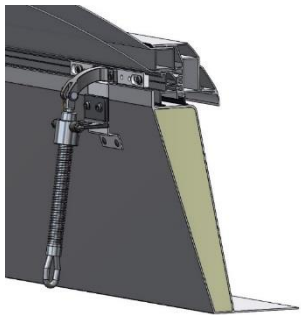
Upstand is delivered pre-assembled to the upper part for quick and easy site installation.

Standard upstand in a choice of heights: 150mm / 300mm / 400mm / 500mm.

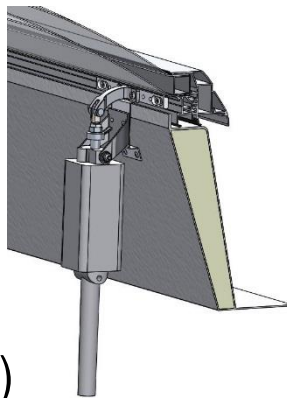


Ventilation details.

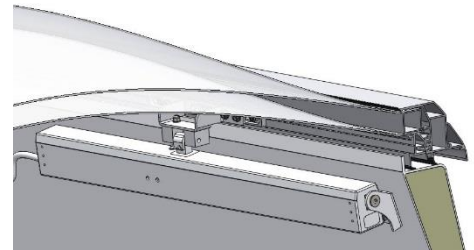
Manual opener



Spindle opener 24v / 230v

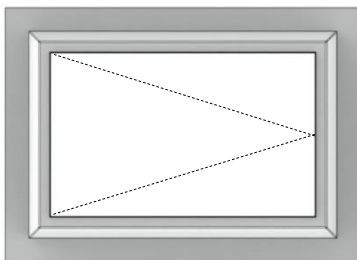


Chain drive 24v / 230v

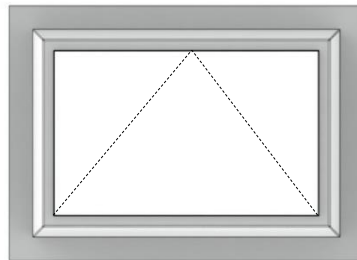


Hinge side. (See page 2.)

Hinged on the short side



Hinged on the long side

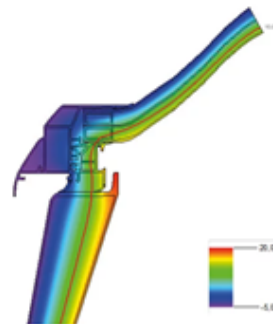


Performance.

For full product performance specification available on request.

- CE marked quality according to EN 1873.
- Life Cycle Assessment (LCA) to EN 15804.
- Airtight to Class 4, EN 12207.
- Water tightness to Class 4 according to BS EN 12208.
- Wind Load to Class C4, EN 12210.
- ACR[M] Class B Non-fragile (subject to confirmation of dimensions)
- Thermally broken: 10° isothermal line remains within the structure (see diagram)

Isothermal line diagram



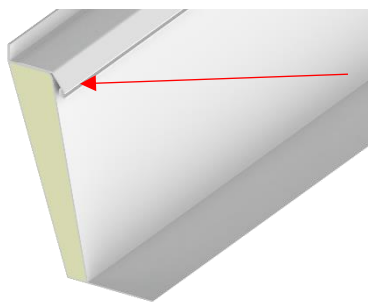
Delivery, packing and storage.

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, available on request. Subject to our standard installation terms, which are available within the document: 'Company overview and standard delivery and installation terms.' Installation guide available, please contact LAMILUX UK.

Flat roofing membrane or roof covering can be conveniently terminated by others under the drip detail at the top of the upstand to complete the weathertight assembly.



Please call to discuss contract/site specific install requirements.