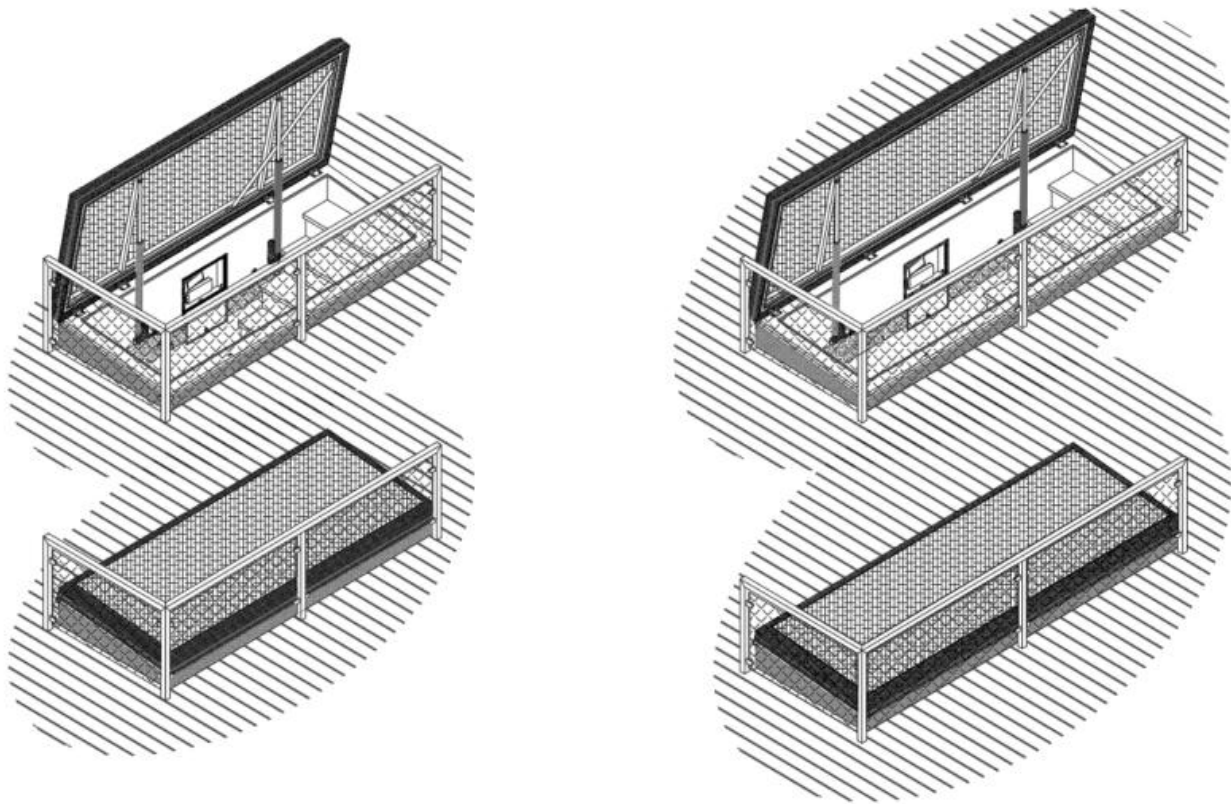


LAMILUX Service FE Flat Roof Access Hatch.

Technical data sheet.

Please note: Stair treads are not included within the scope of supply and must be provided by others.



Designed for flat roofs requiring regular access, the LAMILUX Service FE Flat Roof Access Hatch provides a practical, permanently available route to roof level. The generous opening makes it easy to transfer personnel, tools and materials to the roof deck, while the glazed lid allows natural daylight to enter the building below.

The unit is constructed with a thermally broken, high-strength aluminium composite frame and features a flush glazed lid with triple glazing supplied as standard.

Technical data.

- Designed for flat-roof applications
- Opening angle: approx. 80°
- Clear opening width: approx. 799 mm
- Power Supply:
 - Mains supply: 230 V
 - Actuator supply: 24 V
 - Actuators: 2 × 24 V
 - Battery charging: Automatic during mains operation
 - Emergency operation: Automatic battery operation in the event of mains failure
 - Battery capacity: Approx. 20 opening cycles
- Driving rain resistance: – EN 1027 – Class E (1050)
- Air permeability: – EN 1026 – Class 4
- Wind load (WL): – EN 12211 – Class C5
- CWCT Class 2 Non-fragile (structural roof opening size: 900 × 2500 mm only)

Operation, Controls and Safety.

Operation:

Two 24 V electric actuators mounted on the long side provide smooth opening of the lid across its full width. The hatch is controlled by a key-operated switch with hold-to-run functionality, installed within sight of the hatch.

Power Supply:

During normal operation, the unit is powered by a 230 V mains supply, which also automatically charges the batteries. In the event of a mains power failure, the unit automatically switches to battery operation, providing approximately 20 opening cycles.

Safety Provisions:

- Operate only using a key-operated switch with hold-to-run functionality, installed within sight of the access hatch.
- Factory-fitted finger protection on the hinge side.
- An opening status monitoring contact is supplied for connection to a building management system (BMS) or alarm system.

Section Drawing / Dimensions and Weights.

Available structural roof opening sizes (mm)	Weight (inc. external blind) (kg)
900 x 2500	330
900 x 3000	385

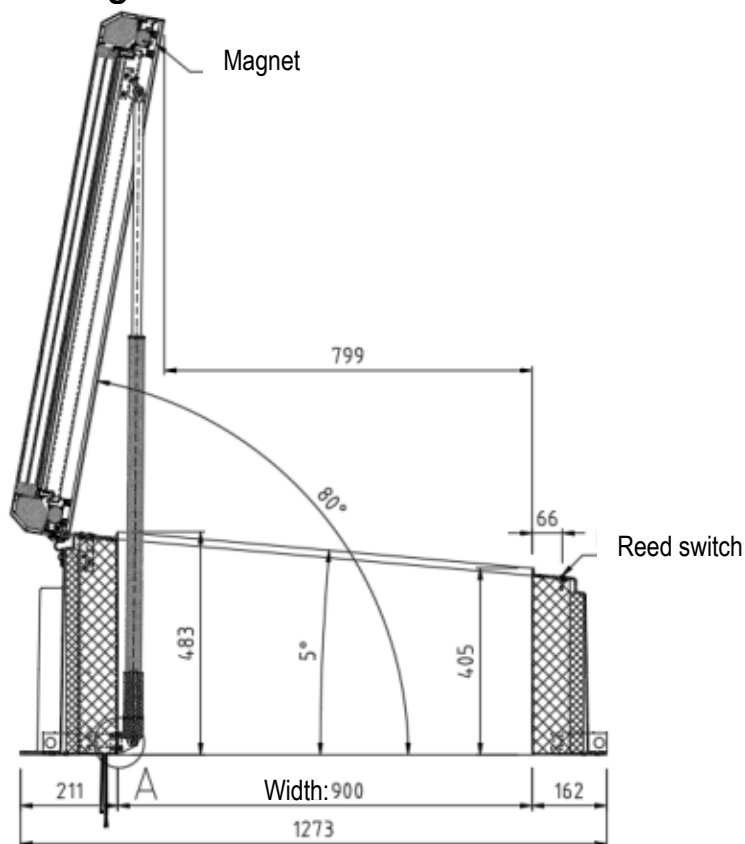
The thermally insulated upstand incorporates a 5° slope at the top to allow rainwater to drain from the flush glazing.

The upstand height is 405 mm at the eaves side and 483 mm at the opposite side.

The external surface is GRP, with an internal steel sheet lining. Both are finished in a colour similar to RAL 9016 (Traffic White).

At the maximum opening angle of 80°, the projected opening width is approximately 799 mm.

See drawing on the right for key dimensions.



Frame:

Thermally broken, high strength aluminium composite system with continuously insulated core and continuous double sealing.

Powder-coated steel frame available in single-colour or dual-colour finishes:

Single-colour:



Dual-colour:



Glazing:

Flush triple-glazed unit, available with thermal insulating or solar control glass:

Type	Light Transmission	Total energy transmittance	Sound insulation value $R_{w,p}$	Ug Value
Triple glazed - standard	72%	0.51	39 dB	0.6 (W/m ² k)
Triple glazed – 60/30 sun protection	55%	0.30	39 dB	0.6 (W/m ² k)
Triple glazed – 50/25 sun protection	45%	0.25	39 dB	0.6 (W/m ² k)
Triple glazed – 70/37 sun protection	62%	0.34	39 dB	0.6 (W/m ² k)

Spectral values may vary by up to 5%.

Optional Accessories.

The following accessories are available for the Service FE Flat Roof Access Hatch:

- **Alarm glass**
Glazing with an integrated alarm sensor. Glass breakage or tampering can transmit a signal to the building alarm system installed on site.
- **External blind**
External solar shading designed to reduce direct solar gain and heat entering the building.

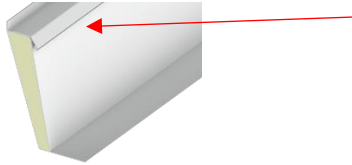
Delivery, packing and storage.

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. Optional fit adapter available with drip detail at the top of the upstand to complete the weathertight assembly.



Please call to discuss contract/site specific install requirements.