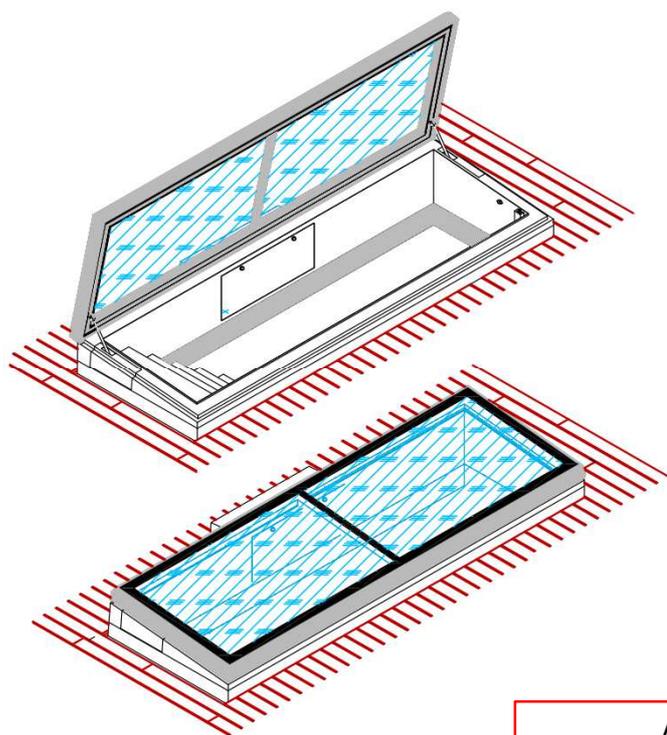


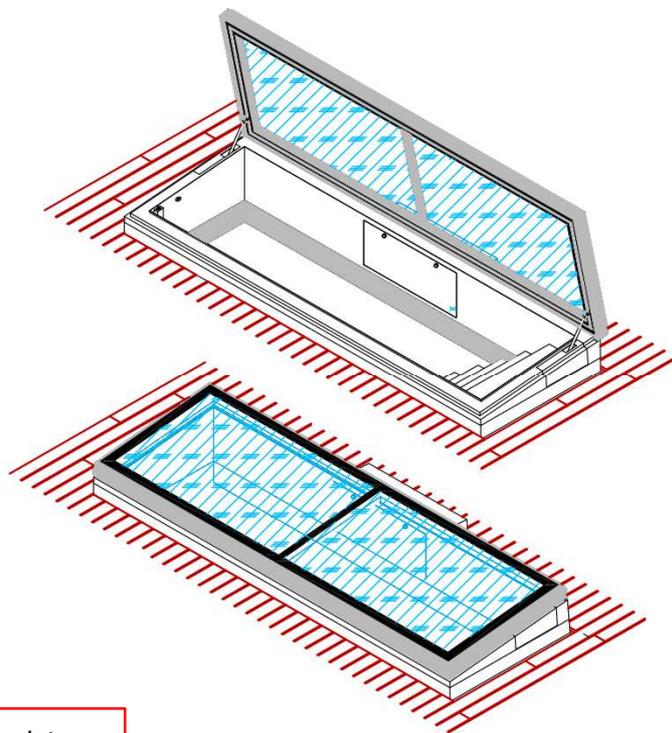
Basic Information Flat Roof Exit Comfort Swing



Design DIN LEFT



Accessible for maintenance measures according to DIN 18008-6.



Design DIN RIGHT

The LAMILUX Flat Roof Exit Comfort Swing consists of a thermally separated, high-strength aluminium connection system, a fully insulated core bonded zone as well as a circumferential double-sealing system.

Available in the order sizes 100x300 cm or 100x350 cm (ceiling opening dimension).

Both order sizes are either available as DIN LEFT or as DIN RIGHT. The DIN-direction must always be specified when ordering (Changes of the DIN-direction at the building site are not possible. The steps are not part of the exit and must be provided by the customer).

An continuous opening is effected over the entire sash by one hydraulic cylinder per narrow side, which is operated by an electrically operated hydraulic unit (230 V or 24 V).

The flat glazing always consists of a triple glazing separated into two fields by a crossbar (see table "Technical values for glazing" on page 4).

Total weights:

Order size 100 x 300 cm: about 385 kg

Order size 100 x 350 cm: about 425 kg

Basic Information Flat Roof Exit Comfort Swing

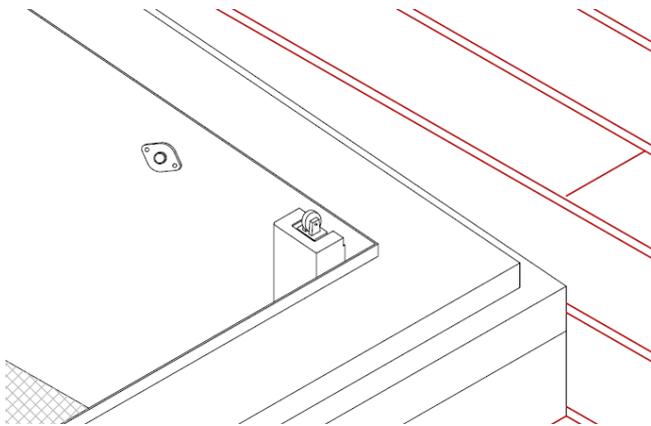


figure: limit switch and light barrier

The comfort roof exit has a limit switch for opening monitoring on the opposite narrow side of the exit, as well as a light barrier for monitoring the exit area of the element.

To open the element, the hydraulic unit is controlled via a key switch with dead man's control.

The thermally insulated upstand consists of a vertical steel base frame and has a 5° inclined geometry at the top (rainwater drainage from the two glass panes).

The height of the upstand is 41 cm at the eaves end and 50 cm at the opposite side.

The outside is made of GRP, the inside is covered with aluminium sheet.

Due to the maximum opening angle of 84°, the projected opening width is approx. 865 mm.

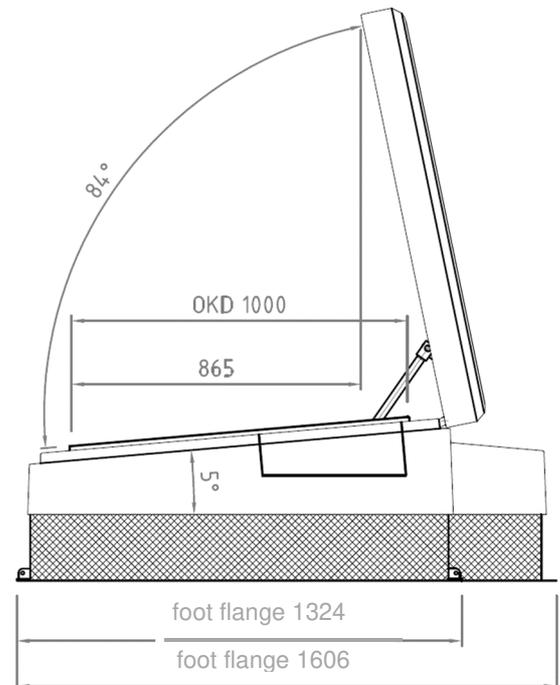


figure: important dimensions

Basic Information Flat Roof Exit Comfort Swing

Safety:

Operation may only be carried out by means of a key switch mounted in the visible area and provided by the customer.

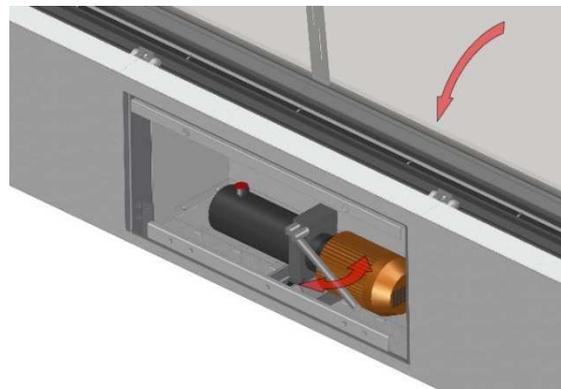
The regulations of DIN EN 12978 "Doors and gates - Protective devices for power-operated doors and gates" maintained.

The exit area of the element is monitored by a light barrier. On the outside of the hinge a clamping protection is mounted at the factory.

An opening monitoring device is pre-assembled as a signalling contact for connection to a central control unit provided by the customer.

The complete hydraulic system is equipped with a leakage control and is partly accessible via internal inspection flaps.

Opening or closing in case of power failure is possible by manual operation by means of a hand lever located behind the cover:



Technical Values Glazing:

Description	Code	Glass outside	SZR	Glass centric	SZR	Glas inside	Light transmission [%]	Total energy permeability [%]	sound insulation value [dB]	Thermal transition [W/(m²K)]
heat protection glass	W 110	6 TSG	16	4 Float	16	8 VSG 0,76 clear	72	51	39	0,6
Heat protection glass	W 303	6 TSG	16	4 Float	16	8 VSG 0,76 matt	49	50	39	0,6
sun protection glass 60/30	S 117	6 TSG	16	4 Float	16	8 VSG 0,76 clear	55	30	39	0,6
sun protection glass 60/30	S 118	6 TSG	16	4 Float	16	8 VSG 0,76 matt	37	27	39	0,6
sun protection glass 50/25	S 121	6 TSG	16	4 Float	16	8 VSG 0,76 clear	47	26	39	0,6
sun protection glass 50/25	S 122	6 TSG	16	4 Float	16	8 VSG 0,76 matt	31	23	39	0,6
sun protection glass 70/37	S 125	6 TSG	16	4 Float	16	8 VSG 0,76 clear	62	34	39	0,6
sun protection glass 70/37	S 126	6 TSG	16	4 Float	16	8 VSG 0,76 matt	42	34	39	0,6

The spectral data can deviate by up to 5% from the specified values.
Resistance to outside flying sparks B, roof (t1) according to EN 13501-5.