Continuous rooflight flaps

VELUX® Commercial

As SHEV flaps for an effective smoke and heat exhaust or usable as pure ventilation flaps for daily ventilation

Continuous rooflight flaps

- depending on the rooflight order width we use the optimal flap system according to individual requirements
- SHEV flap types for VARIO-NORM and VARIO-THERM rooflight series:
  Full flap 165° opening
  Side flap 130° opening
  Beam flap 130° opening
  Crown flap 165° opening
  Double flap 95° opening
- SHEV flap types for VARIO-THERM-S systems:
  Single flap (EKS-TH) 65° opening

Ventilation possibilities

Electrically activated (230 V/AC or 24 V/DC)
- surface-mounted/flush-mounted ventilation switch for motor opener
- motor opener with thrust spindle approx. 300/500 mm lifting height (other lifting heights possible)
- rain sensor or wind/rain sensor
- central closure control with timer

Pneumatically activated
- pneumatic lifting cylinder 300/500/750/1000/1250 mm lifting height
- pneumatic manual control valve
- Rain sensor or wind/rain sensor
- Central closure control with timer

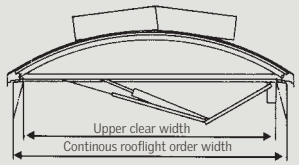
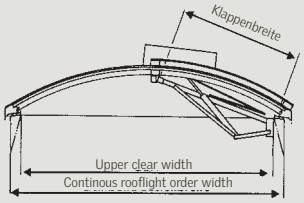
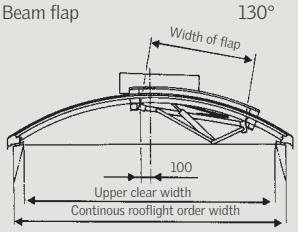
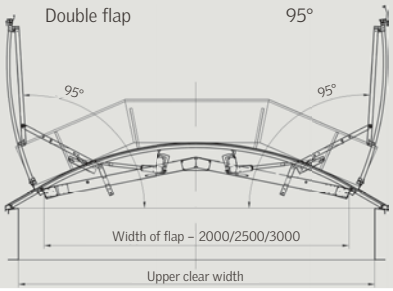
Double flap VARIO-THERM-DK 95°

VARIO-FIREJET® 65° single flap system (EKS) for EKS-TH 65° opening installed in saddle rooflight VARIO-THERM-S

Note: *All systems are approved according to DIN EN 12101-2. All SHEV flap types can also be optionally used for daily ventilation when they are equipped with corresponding auxiliary devices.*

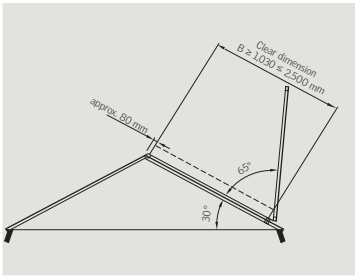
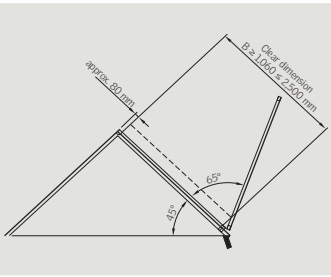
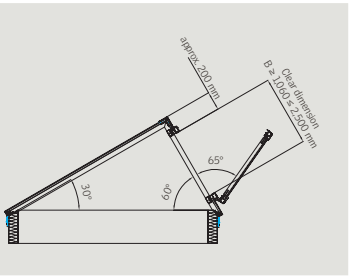
2.1.1 VARIO-THERM
2.1.2 VARIO-NORM
2.1.3 VARIO-THERM-S
6.2.2 Continuous rooflight full flaps

SHEV flaps for VARIO-NORM and VARIO-THERM continuous rooflight systems

Flap type	Opening angle	Upper clear width of the fram	Width/Length	A_g	A_a
		cm	cm x cm	m²	m²
Full flap 	165°	100 to 250	b/100	1.000 bis 2.500	0.693 bis 1.980
		100 to 250	b/134	1.340 to 3.350	0.938 to 2.513
		100 to 250	b/204	2.040 to 5.100	1.530 to 3.825
Side flap 	130°	250 to 350	180/100	1.800	1.158
		250 to 350	180/204	3.672	2.387
		280 to 410	215/100	2.150	1.384
		280 to 410	215/204	4.386	2.851
		300 to 480	250/100	2.500	1.609
Beam flap 	130°	350 to 1,090	180/100	1.800	1.158
		350 to 1,090	180/204	3.672	2.387
		400 to 1,090	215/100	2.150	1.384
		400 to 1,090	215/204	4.386	2.851
		480 to 1,090	250/100	2.500	1.609
Double flap 	95°	200 to 600	200/100	2.000	1.480
		200 to 600	200/204	4.080	2.930
		250 to 600	250/100	2.500	1.880
		250 to 600	250/204	5.100	3.720
		300 to 600	300/100	3.000	2.310
		300 to 600	300/204	6.120	4.520

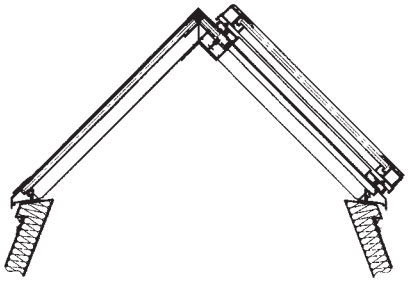
Note:
A_a values (aerodynamic effective opening surface) and
A_g values (geometrical surface)

SHEV flaps for VARIO-THERM-S continuous rooflight series

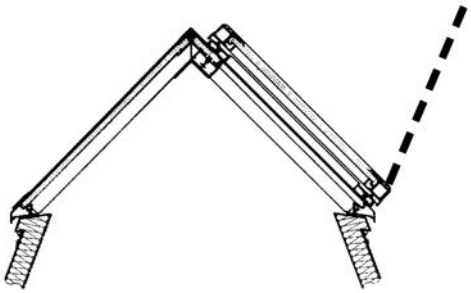
Inclination and sketch						
Flap type	Single flap EKS-TH		Single flap EKS-TH		Single flap EKS-TH	
Opening angle	65°		65°		65°	
Upper clear width of the frame	230 to 500		180 to 500		260 to 560	
Width of the flap (in cm)[1]	103 to 250		106 to 250		06 to 250	
Length of the flap (in cm)[1]						
	100	**204**	**100**	**204**	**100**	**204**
A_g (in m²)	1.030 to 2.500	2.101 to 5.100	1.060 to 2.500	2.152 to 5.100	1.000 to 2.500	2.100 to 5.100
A_a (in m²)	0.618 to 1.500	1.366 to 3.315	0.630 to 1.500	1.392 to 3.315	0.600 to 1.500	1.220 to 3.060

Note:
1) The flap size is dependent of the width of the continuous rooflight.

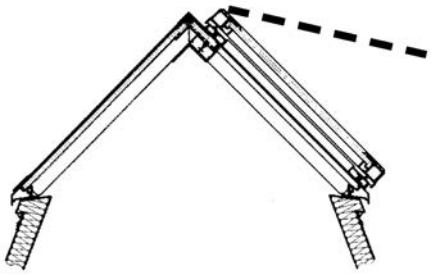
VARIO-FIREJET® 65° single flap system (EKS-TH)



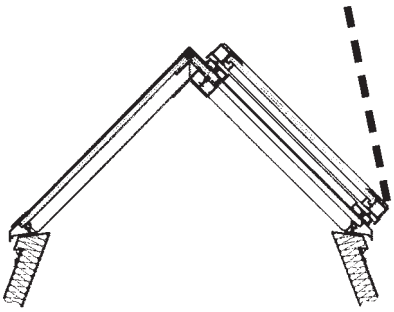
Fits perfectly into the VARIO-THERM-S saddle rooflights 30°/45° with widths of 180 up to 520 cm



SHEV function with device VARIO-FIREJET® 65° J Opening angle 65°

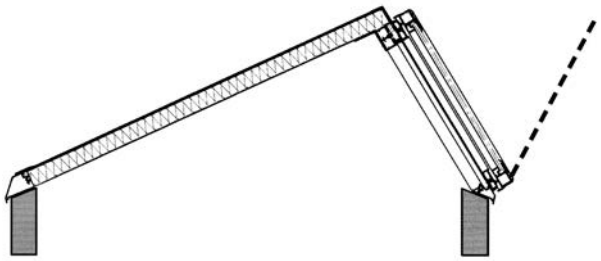


All-weather ventilation – a special EKS system application, that can also be used as geometrical SHEV

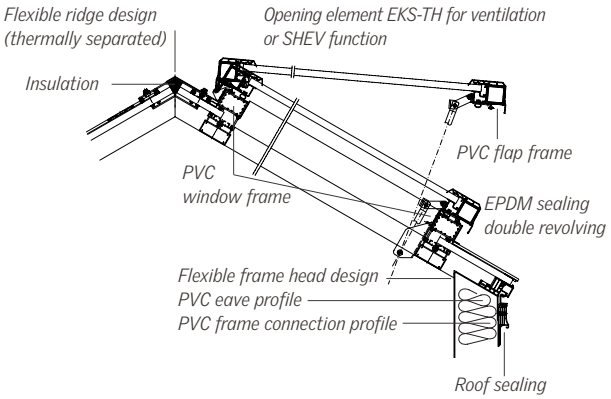


SHEV function with fair weather ventilation Optional with e. g. VARIO-FIREJET® 65° JM device Opening angle approx. 20°

VARIO-FIREJET® 65° EKS-TH
also ideally suited for integration in glass constructions and shed glazings provided by the customer



Installation into a shed system 30°/60°



Horizontal section of the EKS-TH system