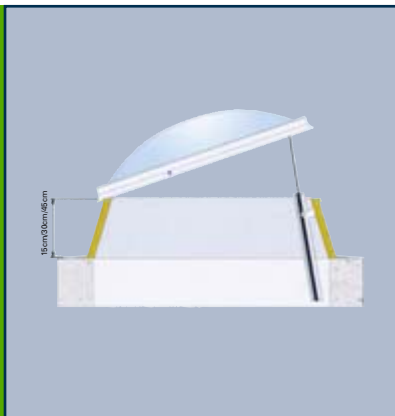


ESSMANN® SHE for Skylight Domes with Geometric Smoke Extraction Areas



Product Description

ESSMANN® SHE for Skylight Domes with Geometric Smoke Extraction Areas



Available sizes of ESSMANN skylight domes

Nominal size cm x cm	Shape of the skylight dome and position of the installation units	Incident light surface m ²	Geometric area and ventilation cross-section of the various lifting heights m ²		
			30 cm	50 cm	75 cm
60/60		0.16	0.16	–	–
60/90		0.28	0.28	–	–
70/137		0.59	0.50	0.59	–
70/141		0.61	0.51	0.61	–
80/80		0.36	0.36	–	–
90/90		0.49	0.42	0.49	–
90/120		0.70	0.51	0.70	–
100/100		0.64	0.48	0.64	–
100/150		1.04	0.63	1.04	–
100/200		1.44	0.78	1.30	1.44
100/250		1.84	0.93	1.55	1.84
120/120		1.00	0.60	1.00	–
120/150		1.30	0.69	1.15	1.30
120/240		2.20	0.96	1.60	2.20
125/125		1.10	0.63	1.05	1.10
125/250		2.42	1.00	1.67	2.42
141/231		2.55	1.00	1.66	2.49
150/150		1.69	0.78	1.30	1.69
150/240		2.86	1.06	1.75	2.63
150/270		3.25	1.14	1.90	2.85
180/240		3.52	1.14	1.90	2.85
180/270		4.00	1.24	2.05	3.07
200/200		3.24	1.08	1.80	2.70

ESSMANN skylight domes made of opal-coloured acrylic glazing are encased in a sturdy U-PVC kerb frame in all sizes. A single component performs three crucial functions:

1. Natural daylight illumination in rooms
2. Daily aeration and ventilation
3. Fire prevention as a smoke and heat extraction system (SHE)

Example: The regional building ordinance (RBO) stipulates mandatory installation of a smoke extraction system at the highest point of a staircase connecting more than two floors. It serves to safeguard escape routes and assists the fire service in quickly tackling fires.

ESSMANN offers skylight domes in the form of a SHE staircase system that complies with this requirement for a geometric free smoke extraction area.

They can be fitted with various control systems and comply with the requirements of the regional building ordinances (RBO). The skylight domes can also be fitted with servomotor drives with emergency power for staircase ventilation purposes.

Please also refer to the brochure (ESSMANN SHE competence for staircases)

Further information can be found at www.essmann.de

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