

Lyra

The versatile Louvered ventilators



- Tested in acc. with EN 12101-2 pneumatic or electric
- Versions made of polycarbonate or aluminium
- Standalone unit or integrated in the continuous rooflight
- Tested in acc. with VdS directives



Ventilation and smoke extraction for roof and wall

40 tested unit sizes for installation on roofs and walls, as a standalone unit Lyra-star or integrated in the continuous rooflight as Lyra-vent – the INDU LIGHT louvered ventilator Lyra is the answer to any requirements of a ventilation and smoke extraction unit.

Lyra is characterised by its high level of system integration: it can be used as a standalone unit or can be integrated in all rooflights.

Optionally, a tested version can be employed for unusually high snow load ratings. As an inlet air device in the wall, Lyra also helps SHEV units arranged in continuous rooflights.

Special highlights: version with polycarbonate or aluminium louvres and enhanced snow load rating in 24V technology

Two particular highlights favour the louvered ventilator Lyra from INDU LIGHT: the optional polycarbonate or aluminium louvres and the enhanced snow load rating in 24V technology.

With the LLP louvered ventilator Lyra_P, the glazing on the jalousie is polycarbonate. The louvered ventilator Lyra_A is equipped with aluminium louvres. Depending on their intended purpose, either of these materials can be used. Lyra also sets new standards in terms of its opening forces when subjected to unusually high snow loads: It has been tested up to 500 N/m² in accordance with EN 12101-2 – in advanced 24V technology. Units tested for even higher snow loadings are also available on request.

With safety: VdS-tested acc. to DIN EN 12101-2

Play it safe when it comes to protecting persons and property: INDU LIGHT as your safety partner designs, delivers and installs individually dimensioned SHEV units. INDU LIGHT is a VdS-approved specialist constructor company certified in accordance with ISO 9001:2000 and an active member of the trade association Tageslicht und Rauchschutz e.V. (Daylight and Smoke Protection).

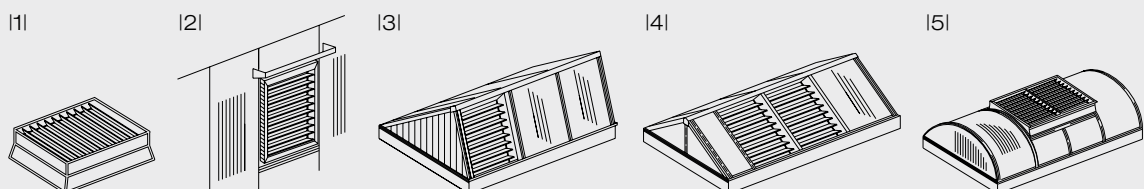
The CE approval of our products was carried out by the VdS and, alongside the tried and tested pneumatic technology, is also available with modern 24V technology.

During project planning of your smoke and heat exhaust units, we also take due account of all the dimensional definition standards including:

- DIN 18232
- VdS directives
- Industrial building directives
- VDI 3564
- TRVB S 125

Application variants as a ventilation and SHEV unit

The standalone unit Lyra-star can be used as a standalone unit in the entire roof area [1] and in the facade as a ventilation and inlet air unit [2]. Lyra-vent has been tested in shed rooflights such as the INDU LIGHT Shedline [3] or ridge-shaped rooflights such as the INDU LIGHT Skyline [4] in various installation positions. Also in its curved versions, Proline and Toplevel ELS, installation is possible in the continuous rooflight or in the wide-angle rooflight [5].



Technical data Lyra_P

If the device is only used for ventilation purposes, the INDU LIGHT Lyra_P can be dimensioned to any size. The values quoted here relate to tested natural smoke and heat exhaust units (SHEV) in acc. with DIN EN 12101-2 or SHEV units in conjunction with natural ventilation.

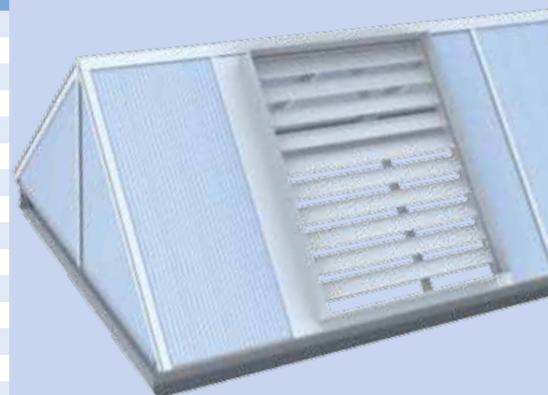
	SHEV						SHEV 24V					
Installation position	in roof area with inclination >0°						on the roof area at inclined angles (pitches) of up to 25°					
EC conformity certificate	Jalousie						E					
Classification	WL 1500; SL 500; T(-05); RE 1000; B 300-E						WL 1500; SL 500; T(-05); RE 1000; B 300-E					
Energy for activation	CO ₂						24V					
Daily ventilation	pneumatic, 230V						24V					
	Louvre	Nominal dimensions [m]	Building shell dimensions [m]	A _v [m ²]	c _v	A _s [m ²]	Louvre	Nominal dimensions [m]	Building shell dimensions [m]	A _v [m ²]	c _v	A _s [m ²]
	900/5	0.88 x 1.15	1.03 x 1.31	1.01	0.65	0.66	900/5	0.88 x 1.15	1.03 x 1.31	1.01	0.56	0.57
	900/6	0.88 x 1.37	1.03 x 1.53	1.21	0.65	0.78	900/6	0.88 x 1.37	1.03 x 1.53	1.21	0.57	0.69
	900/7	0.88 x 1.59	1.03 x 1.75	1.40	0.65	0.91	900/7	0.88 x 1.59	1.03 x 1.75	1.40	0.58	0.81
	900/8	0.88 x 1.81	1.03 x 1.97	1.59	0.65	1.04	900/8	0.88 x 1.81	1.03 x 1.97	1.59	0.59	0.94
	900/9	0.88 x 2.03	1.03 x 2.19	1.79	0.65	1.16	900/9	0.88 x 2.03	1.03 x 2.19	1.79	0.60	1.07
	900/10	0.88 x 2.25	1.03 x 2.41	1.98	0.65	1.29	1100/5	1.10 x 1.15	1.25 x 1.31	1.27	0.57	0.72
	900/11	0.88 x 2.47	1.03 x 2.63	2.18	0.65	1.41	1100/6	1.10 x 1.37	1.25 x 1.53	1.51	0.58	0.87
	900/12	0.88 x 2.69	1.03 x 2.85	2.37	0.60	1.42	1100/7	1.10 x 1.59	1.25 x 1.75	1.75	0.59	1.03
	900/13	0.88 x 2.91	1.03 x 3.07	2.56	0.60	1.54	1100/8	1.10 x 1.81	1.25 x 1.97	1.99	0.59	1.17
	1100/5	1.10 x 1.15	1.25 x 1.31	1.27	0.65	0.82	1100/9	1.10 x 2.03	1.25 x 2.19	2.23	0.60	1.34
	1100/6	1.10 x 1.37	1.25 x 1.53	1.51	0.65	0.98	1400 / 5	1.40 x 1.15	1.55 x 1.31	1.61	0.59	0.95
	1100/7	1.10 x 1.59	1.25 x 1.75	1.75	0.65	1.14	1400 / 6	1.40 x 1.37	1.55 x 1.53	1.92	0.60	1.15
	1100/8	1.10 x 1.81	1.25 x 1.97	1.99	0.65	1.29	1400 / 7	1.40 x 1.59	1.55 x 1.75	2.23	0.61	1.36
	1100/9	1.10 x 2.03	1.25 x 2.19	2.23	0.65	1.45	1400 / 8	1.40 x 1.81	1.55 x 1.97	2.53	0.61	1.55
	1100/10	1.10 x 2.25	1.25 x 2.41	2.48	0.65	1.61	1400 / 9	1.40 x 2.03	1.55 x 2.82	2.84	0.62	1.76
	1100/11	1.10 x 2.47	1.25 x 2.63	2.72	0.65	1.77	1900/5	1.88 x 1.15	2.03 x 1.31	2.16	0.61	1.32
	1100/12	1.10 x 2.69	1.25 x 2.85	2.96	0.60	1.78	1900/6	1.88 x 1.37	2.03 x 1.53	2.58	0.61	1.57
	1100/13	1.10 x 2.91	1.25 x 3.07	3.20	0.60	1.92	1900/7	1.88 x 1.59	2.03 x 1.75	2.99	0.62	1.85
	1900/5	1.88 x 1.15	2.03 x 1.31	2.16	0.65	1.41	1900/8	1.88 x 1.81	2.03 x 1.97	3.40	0.62	2.11
	1900/6	1.88 x 1.37	2.03 x 1.53	2.58	0.65	1.67	1900/9	1.88 x 2.03	2.03 x 2.19	3.82	0.63	2.40
	1900/7	1.88 x 1.59	2.03 x 1.75	2.99	0.65	1.94	Units tested for even higher snow loads in accordance with EN-12101-2 and are available on request.					
	1900/8	1.88 x 1.81	2.03 x 1.97	3.40	0.65	2.21						
	1900/9	1.88 x 2.03	2.03 x 2.19	3.82	0.65	2.48						
	1900/10	1.88 x 2.25	2.03 x 2.41	4.23	0.65	2.75						
	1900/11	1.88 x 2.47	2.03 x 2.63	4.65	0.65	3.02						
	1900/12	1.88 x 2.69	2.03 x 2.85	5.06	0.60	3.03						
	1900/13	1.88 x 2.91	2.03 x 3.07	5.47	0.60	3.28						
	2300/5	2.31 x 1.15	2.47 x 1.31	2.66	0.65	1.73						
	2300/6	2.31 x 1.37	2.47 x 1.53	3.16	0.65	2.06						
	2300/7	2.31 x 1.59	2.47 x 1.75	3.67	0.65	2.39						
	2300/8	2.31 x 1.81	2.47 x 1.97	4.18	0.65	2.72						
	2300/9	2.31 x 2.03	2.47 x 2.19	4.69	0.65	3.05						
	2300/10	2.31 x 2.25	2.47 x 2.41	5.20	0.65	3.38						
	2300/11	2.31 x 2.47	2.47 x 2.63	5.71	0.65	3.71						
	2300/12	2.31 x 2.69	2.47 x 2.85	6.21	0.60	3.73						
	2300/13	2.31 x 2.91	2.47 x 3.07	6.72	0.60	4.03						



Technical data Lyra_A

Table of sizes for Lyra_A

Jalousie	Nominal dimensions [m]	Building shell dimensions [m]	A _v [m ²]
900 / 3	0.88 x 0.465		0.41
900 / 4	0.88 x 0.625		0.55
900 / 5	0.88 x 0.785		0.69
900 / 6	0.88 x 0.945		0.83
900 / 7	0.88 x 1.105		0.97
900 / 8	0.88 x 1.265		1.11
900 / 9	0.88 x 1.425		1.25
900 / 10	0.88 x 1.585		1.39
900 / 11	0.88 x 1.745		1.54
900 / 12	0.88 x 1.905		1.68
900 / 13	0.88 x 2.065		1.82
1100 / 3	1.10 x 0.465		0.51
1100 / 4	1.10 x 0.625		0.69
1100 / 5	1.10 x 0.785		0.86
1100 / 6	1.10 x 0.945		1.04
1100 / 7	1.10 x 1.105		1.22
1100 / 8	1.10 x 1.265		1.39
1100 / 9	1.10 x 1.425		1.57
1100 / 10	1.10 x 1.585		1.74
1100 / 11	1.10 x 1.745		1.92
1100 / 12	1.10 x 1.905		2.10
1100 / 13	1.10 x 2.065		2.27
1900 / 3	1.88 x 0.465		0.87
1900 / 4	1.88 x 0.625		1.18
1900 / 5	1.88 x 0.785		1.48
1900 / 6	1.88 x 0.945		1.78
1900 / 7	1.88 x 1.105		2.08
1900 / 8	1.88 x 1.265		2.38
1900 / 9	1.88 x 1.425		2.68
1900 / 10	1.88 x 1.585		2.98
1900 / 11	1.88 x 1.745		3.28
1900 / 12	1.88 x 1.905		3.58
1900 / 13	1.88 x 2.065		3.88
2300 / 3	2.31 x 0.465		1.07
2300 / 4	2.31 x 0.625		1.44
2300 / 5	2.31 x 0.785		1.81
2300 / 6	2.31 x 0.945		2.18
2300 / 7	2.31 x 1.105		2.55
2300 / 8	2.31 x 1.265		2.92
2300 / 9	2.31 x 1.425		3.29
2300 / 10	2.31 x 1.585		3.66
2300 / 11	2.31 x 1.745		4.03
2300 / 12	2.31 x 1.905		4.40
2300 / 13	2.31 x 2.065		4.77



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