

Vela

SHEV units in barrel vault rooflights



- Tested in acc. with EN 12101-2 pneumatic or electric
- Single flap or double flap versions
- For Topline ELS and Proline continuous rooflights
- Tested in acc. with VdS directives



The proven classic in a new and improved version

The continuous rooflight flap Vela-vent for the INDU LIGHT Topline ELS and Proline ranges combines fire protection and natural ventilation using tried and tested technology.

In this new version featuring VdS-tested compliance in acc. with EN 12101-2 Vela-vent also provides enhanced safety in respect of unusually high snow loads.

The SHEV single flap Vela-vent and double flap Vela-vent_double versions are all new, and both have been tested in their respective pneumatic and contemporary 24V technology versions.

Special highlights: tested enhanced snow load rating for vela-vent or vela-vent_double

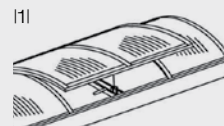
Two special highlights make the continuous rooflight Vela the first choice: the tested enhanced snow load rating as well as various flap versions.

Vela-vent sets new standards regarding opening forces for increased snow loads. It is tested in several standard sizes and is approved in accordance with EN 12101-2.

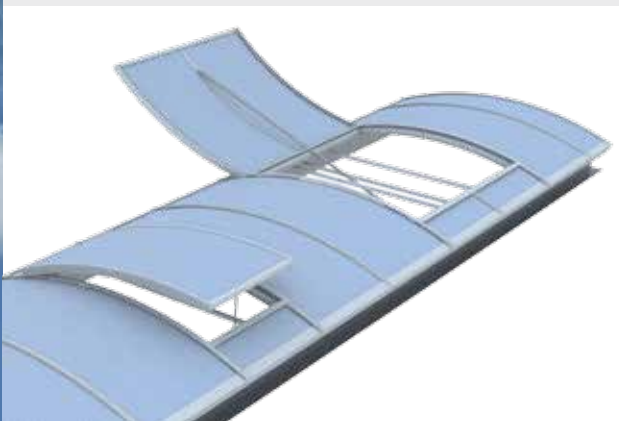
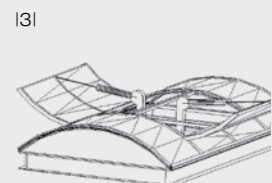
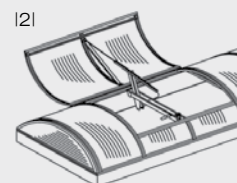
The continuous rooflight flap is available as Vela-vent and as Vela-vent_double in variable sizes for pneumatic opening, and with modern 24V technology for optimum connection to building management systems.

Application variants as a ventilation and SHEV unit:

The INDU LIGHT continuous rooflight flap Vela-vent is integrated in barrel vault rooflights, and is used, for example, for ventilation purposes [1].



As a tested SHEV unit, Vela-vent is also available in its design versions of Proline and Topline ELS for installation as a single flap [2] or as a double flap [3].



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 construction directive

Technical data Vela-vent

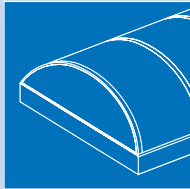
Used purely as ventilation flaps, Vela-vent from INDU LIGHT can be dimensioned to any size. The values quoted here relate to tested natural smoke and heat exhaust units (SHEV) in acc. with DIN EN 12101-2 or SHEV units in conjunction with natural ventilation.

SHEV																													
Installation position	Installation in barrel vault rooflights																												
EC conformity certificate	RAI-21J																												
Classification	WL 1500; SL 500; T(-05); RE 1000; B 300-E																												
Opening angle of units	155°																												
Energy for activation	CO ₂																												
Daily ventilation	pneumatic, 24V, 230V																												
	<table border="1"> <thead> <tr> <th>Nominal dimensions [m]</th> <th>A_v [m²]</th> <th>c_v</th> <th>A_a [m²]</th> </tr> </thead> <tbody> <tr> <td>1.00 x 1.10</td> <td>1.080</td> <td>0.70</td> <td>0.756</td> </tr> <tr> <td>1.00 x 2.30</td> <td>2.300</td> <td>0.70</td> <td>1.610</td> </tr> <tr> <td>1.50 x 1.10</td> <td>1.650</td> <td>0.75</td> <td>1.238</td> </tr> <tr> <td>1.50 x 2.30</td> <td>3.450</td> <td>0.75</td> <td>2.588</td> </tr> <tr> <td>1.98 x 1.10</td> <td>2.178</td> <td>0.75</td> <td>1.634</td> </tr> <tr> <td>1.98 x 2.30</td> <td>4.554</td> <td>0.70</td> <td>3.188</td> </tr> </tbody> </table>	Nominal dimensions [m]	A _v [m ²]	c _v	A _a [m ²]	1.00 x 1.10	1.080	0.70	0.756	1.00 x 2.30	2.300	0.70	1.610	1.50 x 1.10	1.650	0.75	1.238	1.50 x 2.30	3.450	0.75	2.588	1.98 x 1.10	2.178	0.75	1.634	1.98 x 2.30	4.554	0.70	3.188
Nominal dimensions [m]	A _v [m ²]	c _v	A _a [m ²]																										
1.00 x 1.10	1.080	0.70	0.756																										
1.00 x 2.30	2.300	0.70	1.610																										
1.50 x 1.10	1.650	0.75	1.238																										
1.50 x 2.30	3.450	0.75	2.588																										
1.98 x 1.10	2.178	0.75	1.634																										
1.98 x 2.30	4.554	0.70	3.188																										
Units tested for even higher snow loads in accordance with EN-12101-2 and are available on request.																													

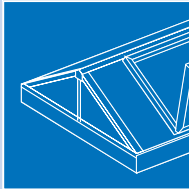
Continuous rooflight flap SHEV 24V													
Installation position	Installation in barrel vault rooflights												
EC conformity certificate	RAI-21J-E2												
Classification	WL 1500; SL 500; T(-05); RE 1000; B 300-E												
Opening angle of units	155°												
Energy for activation	24V												
Daily ventilation	24V												
	<table border="1"> <thead> <tr> <th>Nominal dimensions [m]</th> <th>A_v [m²]</th> <th>c_v</th> <th>A_a [m²]</th> </tr> </thead> <tbody> <tr> <td>1.50 x 1.10</td> <td>1.650</td> <td>0.65</td> <td>1.070</td> </tr> <tr> <td>1.50 x 2.30</td> <td>3.450</td> <td>0.65</td> <td>2.240</td> </tr> </tbody> </table>	Nominal dimensions [m]	A _v [m ²]	c _v	A _a [m ²]	1.50 x 1.10	1.650	0.65	1.070	1.50 x 2.30	3.450	0.65	2.240
Nominal dimensions [m]	A _v [m ²]	c _v	A _a [m ²]										
1.50 x 1.10	1.650	0.65	1.070										
1.50 x 2.30	3.450	0.65	2.240										

Modular product range

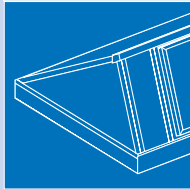
Continuous rooflights



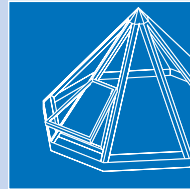
Topline ELS
Proline



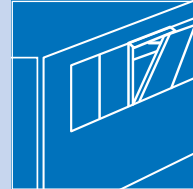
Skyline



Shedline

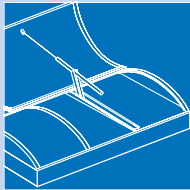


Highline

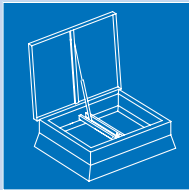


Sideline

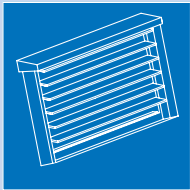
Smoke and heat ventilation systems (SHEV)



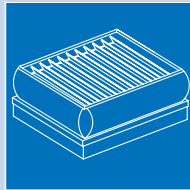
Vela



Leo

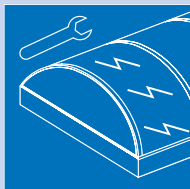


Lyra

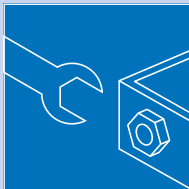


Virgo

Renovation – maintenance



Sanierung



Maintenance

INDU LIGHT

Produktion & Vertrieb GmbH
Willi-Brundert-Strasse 3
D-06132 Halle/Saale
Tel.: +49 (0)345 7 72 96 - 0
Fax: +49 (0)345 7 72 96 - 11
E-mail halle@indu-light.de
www.indu-light.de

INDU LIGHT

Produktion & Vertrieb GmbH
Lauterbachstrasse 38
D-78586 Deilingen
Tel.: +49 (0)7426 52 70 - 0
Fax: +49 (0)7426 38 11
E-mail deilingen@indu-light.de
www.indu-light.de

INDU LIGHT

West Vertrieb GmbH
Schützenwall 30
D-48653 Coesfeld
Tel.: +49 (0)2541 92 62 - 0
Fax: +49 (0)2541 92 62 - 12
E-mail coesfeld@indu-light.de
www.indu-light.de

INDU LIGHT

Produktion & Vertrieb GmbH
Webergasse 16
D-95326 Kulmbach
Tel.: +49 (0)9221 69 06 42-1
Fax: +49 (0)9221 69 06 42-2
E-mail kulmbach@indu-light.de
www.indu-light.de

INDU LIGHT

Indu-Light AG / SA
Industriestrasse 23
CH-6215 Beromünster LU
Tel.: +41 (0)41 932 41 00
Fax: +41 (0)41 932 41 05
E-mail info@indu-light.ch
www.indu-light.ch

INDU LIGHT

Tageslicht- und Brandschutz
Technik Vertriebs GmbH
D'Orsay-Gasse 4/1
A-1090 Vienna
Tel.: +43 (0)1 319 25 00
Fax: +43 (0)1 319 25 00 25
E-mail contact@indu-light.at
www.indu-light.at

