

Wemalux M



The perfect modular high-tech domelight



extraQuality
made in Austria



Wemalux M – more than just a domelight

The multifunctional element of the building envelope

Sustainability and energy efficiency are contemporary requirements for buildings. The building envelope is the key element, as it connects the interior to the outside environment. It must fulfil a wide range of functions such as thermal regulation, air exchange and light entry, which impact on one another. Its physical properties are essential for the energy efficiency of the building and the interior climate. Customer requirements and legal stipulations require better sealed building envelopes, controlled ventilation regulation as well as smoke and heat exhaust ventilation systems in the event of a fire

emergency. Wemalux M domelights are specifically developed for these high demands. Outstanding thermal performance and sound insulation values, hail protection and fall-through protection with significantly improved incident light are the characteristics of the Wemalux M series. We attach great importance to sustainability. Wemalux M is made for a long service life and is completely recyclable. We set standards in daylight technology with maximum flexibility in over 50 formats and all upstand heights. **extraQuality** made in Austria.

Daylight

Daily ventilation

Smoke and
heat exhaust
ventilation



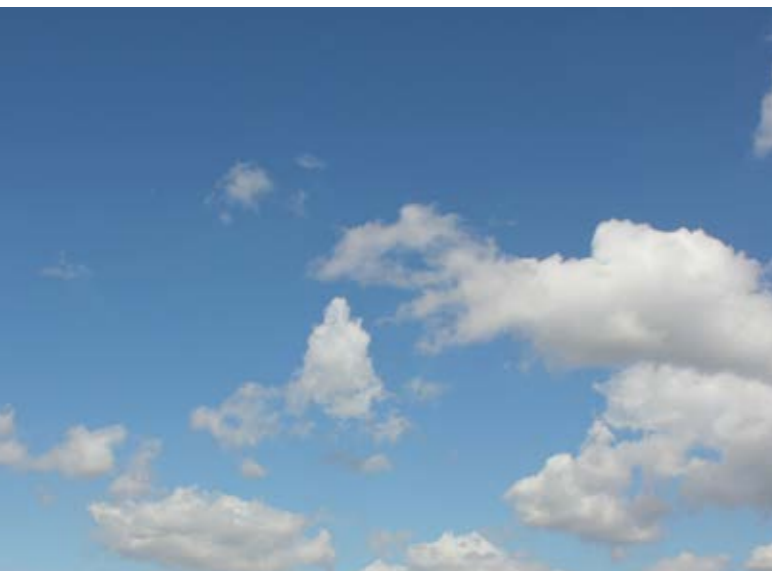
extraQuality
made in Austria

Sun, air and safety



The productivity of the sun

Natural daylight creates a better climate in buildings and also has a positive impact on our well-being and performance. Studies show that natural daylight has a positive effect on all four basic ergonomic factors of work compared to artificial light: Performance, occupational safety, profitability and reliability.



Ventilation is quintessential

We spend around 90% of our lives in enclosed spaces. This makes it all the more important to lay the foundations for an optimum indoor climate and high air quality with appropriate construction measures.

Whether an indoor climate is considered comfortable is largely dependent on the balance between temperature and humidity. While people's well-being is immediately affected if the air is too dry, constantly high levels of humidity provide the ideal breeding ground for the development of harmful mould. The targeted control of the balance between temperature and humidity is achieved through the regular and continuous exchange of air, which effectively prevents any possible harm. Regulating the solar energy input helps to prevent the rooms below from being constantly overheated during the summer months.

Safety in the event of a fire

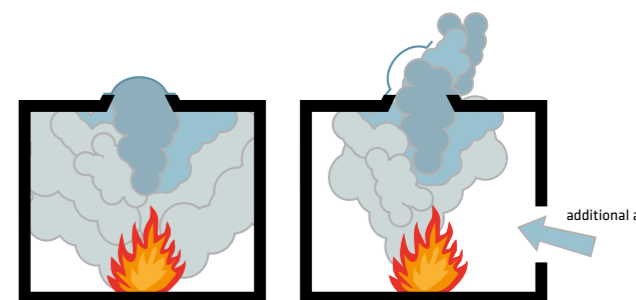
Functioning smoke and heat exhaust ventilation systems (NSHEV) are essential. Attempts at avoiding the propagation of smoke in buildings without NSHEV systems have shown that even large halls are completely filled with smoke in a short period of time.

Even if the alarm is triggered immediately, the people concerned still only have around 3 minutes to escape under satisfactory visibility and breathing conditions following the outbreak of a fire – a short period of time. 80% of all fire victims do not burn, they suffocate from the smoke.

The fire brigade is also affected by the smoke: The extreme visibility and breathing conditions make work considerably more difficult, pose a great risk and often prevent rapid extinguishing.

The fire protection provisions frequently stipulate the installation and regular maintenance of smoke and heat exhaust ventilation systems (NSHEV) or smoke extraction systems (SES). This ensures that hot, toxic fumes can escape through automatically released openings in the flat roof in the event of a fire and prevents the building's destruction.

Smoke and heat exhaust ventilation systems may not be able to prevent a fire, but can play an important role in ensuring the safety and protection of employees and the building.

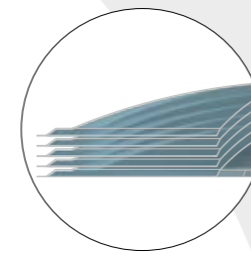
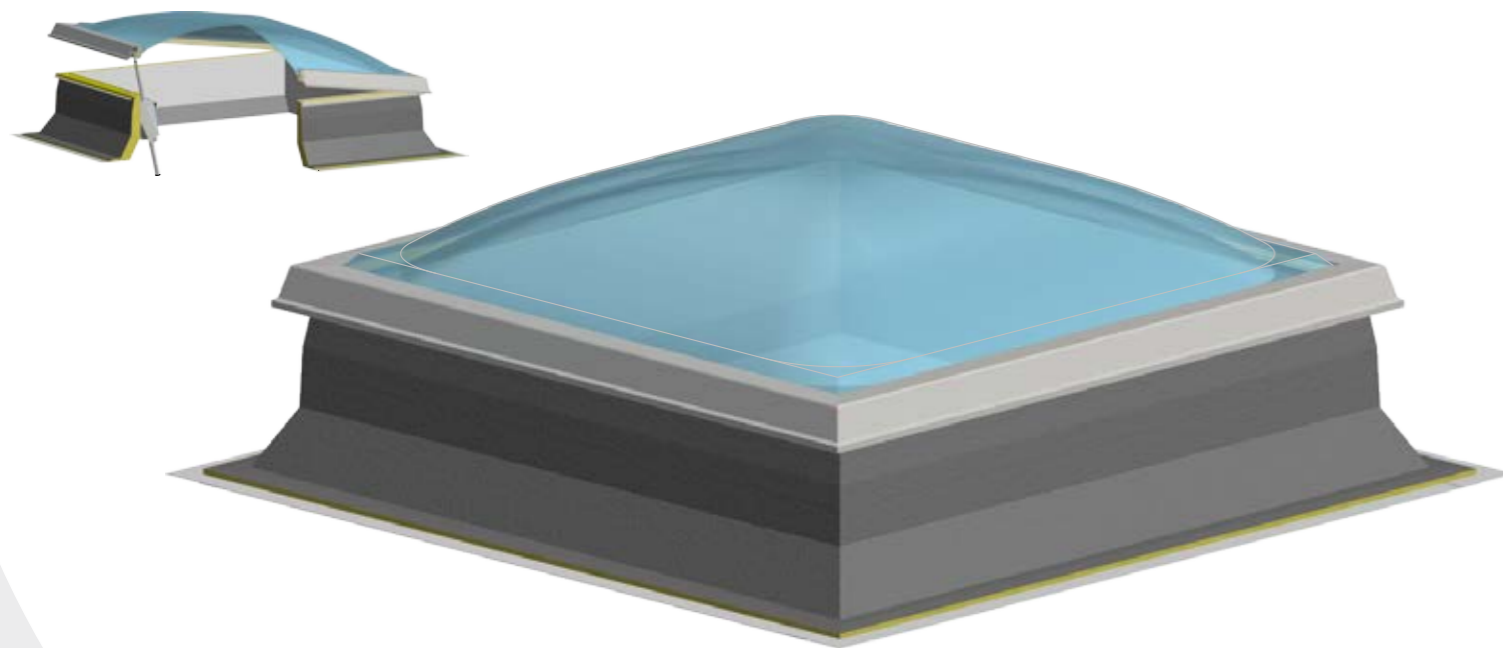


Wemalux M – an unbeatable construction principle that makes all the difference

(certified according to EN 1873)

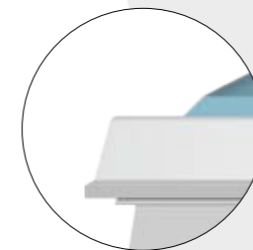
Design and technology

The Wemalux M series follows the **construction principle of thermally separating** a structural load-bearing aluminium frame from the thermally separated domes it holds without stress. The Wemalux M series therefore sets new standards on the flat roof, has **outstanding physical properties** and is simple to use as a result of its practical design when it comes to initial assembly, retrofitting and refurbishment. This not only makes it a sophisticated system in terms of daylight, daily ventilation and smoke and heat exhaust ventilation but also means that it is versatile and flexible as a result of its custom-made production.



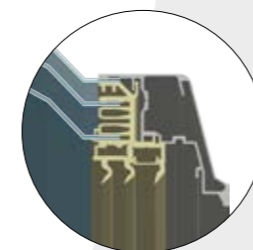
Domes

The number, colouring and type of material of the domes enable thermal insulation of up to 0.6W/m²K. Special domes for hail, noise and fire protection and to reduce the heat input enhance the range of applications and turn the domelight into a customised element of the building envelope.



Aluminium frame

The structural load-bearing aluminium frame is the ideal solution for the domes. The domes are mounted free of stress and thermally separated. This increases the service life of the domelights. The aluminium frame also prevents fire from spreading to the roof and offers edge protection during transportation, assembly and integration into the roof cladding.

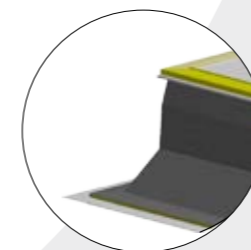


Three-lip seal

The three-lip seal offers maximum sealing in all weather conditions, while simultaneously minimising the formation of condensate.

3 sealing lips = 6 x heat transfer resistance = 2 insulating chambers

This results in a lower heat loss through a large temperature gradient in a small space and an optimum isothermal curve.

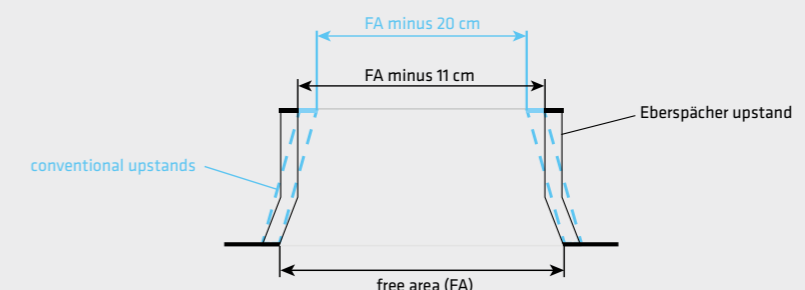
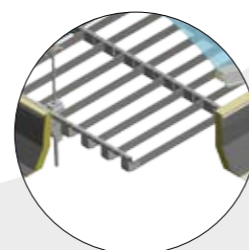


Upstand with special contour

The special interior contour of the Wemalux upstand has an **incident light and air exchange surface which is 10% larger** than conventional products for the optimum use of building envelope openings.

Fall-through protection

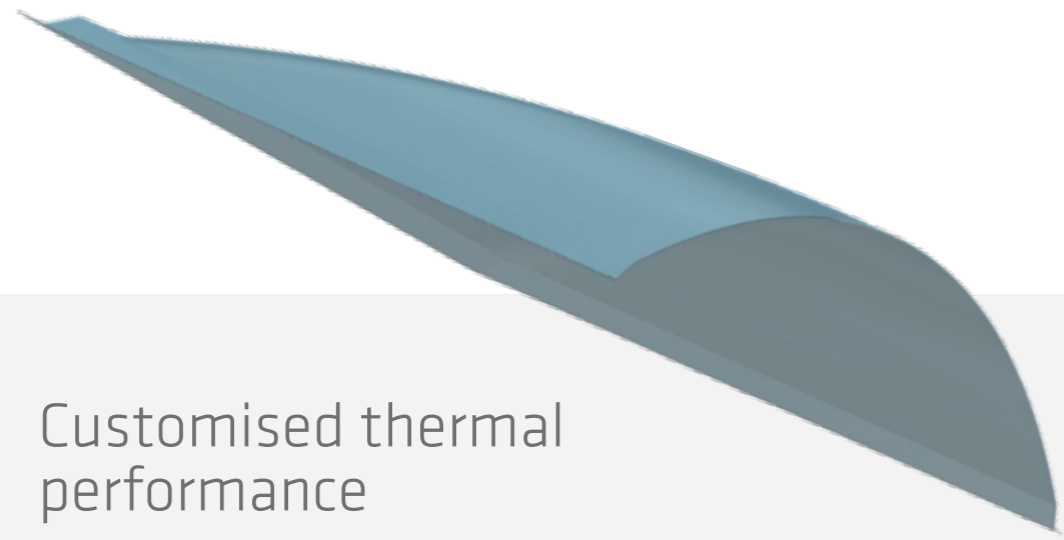
Guaranteed safety. Eberspächer offers fall-through protection for all ceiling openings up to 6.0 m in width, certified according to EN 1873 and pursuant to ÖNORM B 3417 and ÖNORM EN10204. The "LifeGuard" product is also suitable for subsequent installation in all domelights made by Eberspächer and any other manufacturer.





Wemalux M

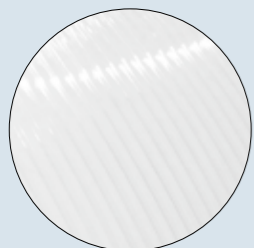
Basic dome types



Customised thermal performance

A different thermal performance is required depending on whether a building is used for storage or residential purposes, heated or unheated. The Wemalux M series can be tailor-made to meet specific requirements thanks to the wide range of possible roofing variants. It is about achieving **optimum thermal insulation** for energy efficiency, perfect indoor climate and well-being.

- Wemalux M with 2, 3, 4 or 5 domes
- 6 different dome materials
- Certifications according to EN 1873 and EN 12101-2
- A maximum of 3 out of the 5 standard domes can optionally be configured as Thermosheet domes, which significantly improve the thermal performance yet again, depending on requirements.



Special dome **Thermosheet** with discreet striped design.

Thermal performance and energy input

Domes		U-Value [W/m²K]	G-Value [%] g_E
Standard configuration	2-layer	2.5	71
	3-layer	1.8	61
	4-layer	1.4	53
	5-layer	1.1	45
Thermosheet-domes	3-layer	≤ 1.2	≤ 61
	4-layer	≤ 1.0	≤ 52
	5-layer	≤ 0.9	≤ 45



Industrial buildings
U-Value 2,0-1,3 W/m²K
2-3 layers



Residential buildings
U-Value 1,1-0,8 W/m²K
4-5 layers



Zero energy buildings
U-Value bis zu 0,6 W/m²K
5 layers

Sound reduction

The sound insulation values can be tailored to the number of domes. Sound-reducing configurations achieve verified sound insulation values of up to 25 dB.

Luminous efficiency and air sound insulation (standard configuration)

Upstand configuration: Steel dome interior, mineral insulation of 3 cm, 1 opal dome	Light transmission [%] t_{065}	Noise reduction acc. EN 717 Teil 1
2-layer	80	21
3-layer	74	22
4-layer	68	23
5-layer	62	24



Colouring of domes

Tailored lighting conditions through colouring of the domes.

Clear domes for maximum luminous efficiency

- Light transmission 92 %
- Saving of lighting energy

Opal domes for glare-free daylight and optimum luminous efficiency

- Homogeneous diffuse illumination of interior spaces
- Light transmission of 80 % by combining an external opal dome with clear domes
- Saving of lighting energy

Coloured domes for creating mood lighting

- Controlling lighting conditions through to complete blackout
- Creating special mood lighting and light effects



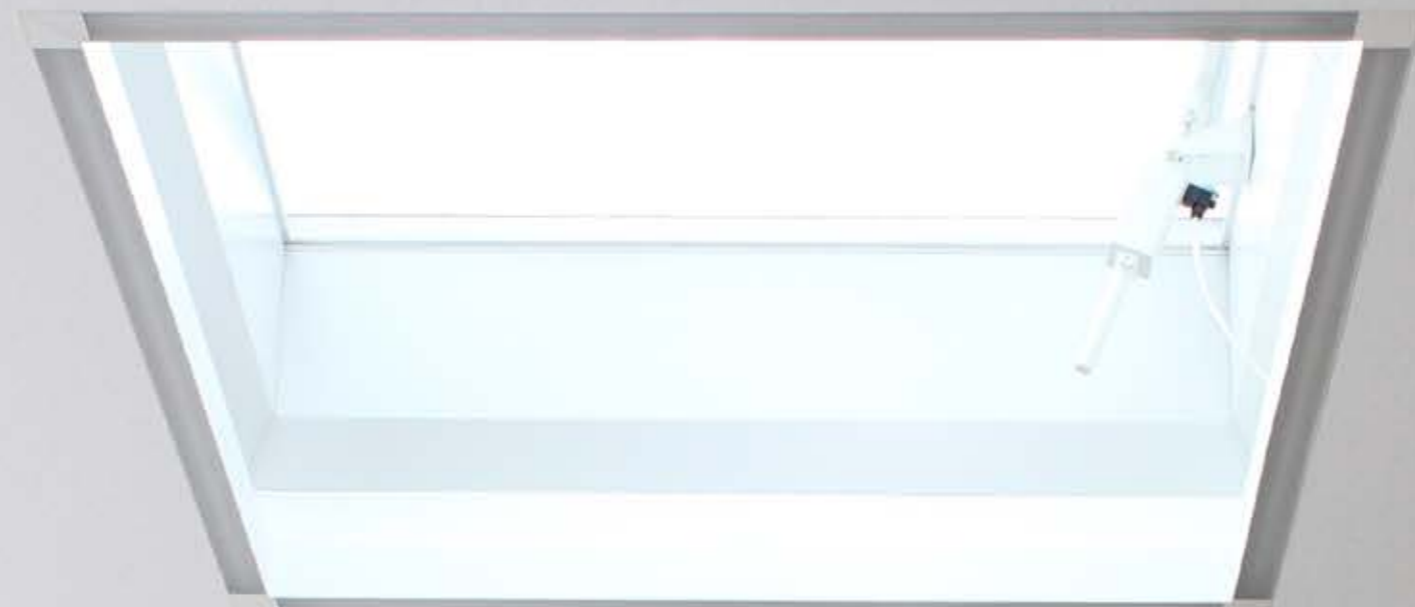
clear domes



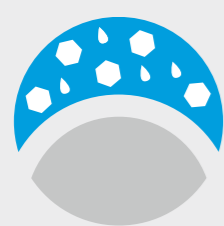
opal domes



Wemalux M Special domes



Special domes are solutions for special requirements. Combining these dome types offers additional benefits depending on requirements.



Wemalux M Protect

The domelight with the anti-hail shield function.
The resistance of the domelights is significantly increased through domes made from polycarbonate.



Wemalux M Sound Block

Effective noise protection for indoors and outdoors.
In order to specifically reduce noise emissions and immissions, domes are used with different physical properties and the domelight is specially sealed.



Wemalux M Heat Block

Light rooms without excessive heat input.
A special dome is used to reduce the energy input from the solar radiation and effectively protects the interior spaces from an excessive build-up of heat.



Wemalux M Fire Resist

Safety with increased fire safety requirements.
Special dome materials enhance the fire protection effect of the domelight and in doing so meet the requirements for increased fire protection.



Wemalux M Protect



Wemalux M Protect

The domelight frame made from a special weather-resistant aluminium alloy prevents the edge of the dome from breaking. The floating and particularly elastic dome made from tempered plastic can effectively absorb the highest impact energies without breaking. It maintains these special properties in a temperature range of between -40 °C and +120 °C.

Tested and found to be hail-proof.

The **Wemalux domelight "LK 2 150x150 HAIL RESIST"** was tested by the Austrian hail register and achieved the maximum possible hail resistance class of 5.



Hail resistance classes 1-5

Hail resistance class	Diameter [mm]	Weight [g]	Velocity [m/s]	Resistant class [J]
HW 1	10	0.5	13.8	0.04
HW 2	20	3.6	19.5	0.7
HW3	30	12.3	23.9	3.5
HW 4	40	29.2	27.5	11.1
HW 5	50	56.9	30.8	27.0



Wemalux M special domes in detail



Wemalux M Heat Block

Heat Block solar control coatings enable large daylight surfaces distributed evenly across the room and keep the energy input low on hot summer days. The lower build-up of heat inside the building reduces the demands placed on the air-conditioning system and therefore the energy costs. In winter, the dome-lights act as heating surfaces, helping to balance out the energy input reduced by modern full thermal protection façades through the greenhouse effect. In addition to the huge energy savings potential, Heat Block also provides rays of hope for workplace design.

According to current health and safety regulations, domelights must be designed to prevent direct incident sunlight or uncomfortable levels of heat.

The total energy transmission caused by global radiation can be reduced by up to two thirds with Heat Block solar control coatings.



Wemalux M Sound Block

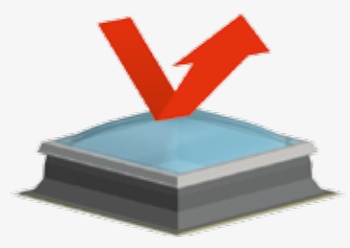
Excessive noise levels cause stress and chronic noise pollution makes people ill. The issue of noise protection is therefore an important factor in domestic and European construction guidelines.

The Wemalux M Sound Block version is characterised by its special dome combination and additional sound seals, which together reduce noise pollution. This results in an air sound insulation value of max. 25 dB (certified from triple-dome version onwards). Further special versions can be supplied up to a sound insulation value of 29 dB or 38 dB.



Wemalux M Fire Resist

The Wemalux M Fire Resist version has been specially developed for elevated fire protection requirements such as for use above escape routes. The products are therefore classified according to fire behaviour B-s1, d0 pursuant to EN 13501. The Wemalux M Fire Resist system ensures that critical minutes can be gained for rescue operations in the event of a fire, making the difference between life and death. The strict legal requirements are therefore met.



G-Value of domes equipped with Heat Block coating

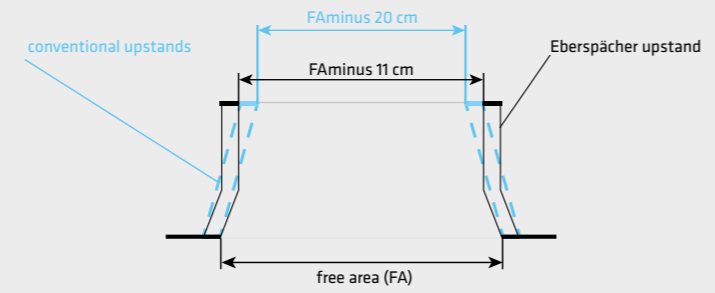
G-Value	Heat Block® outer layer	
	without	with
2-layer	71%	34%
3-layer	61%	30%
4-layer	53%	25%
5-layer	45%	22%



Upstand – a valuable connection

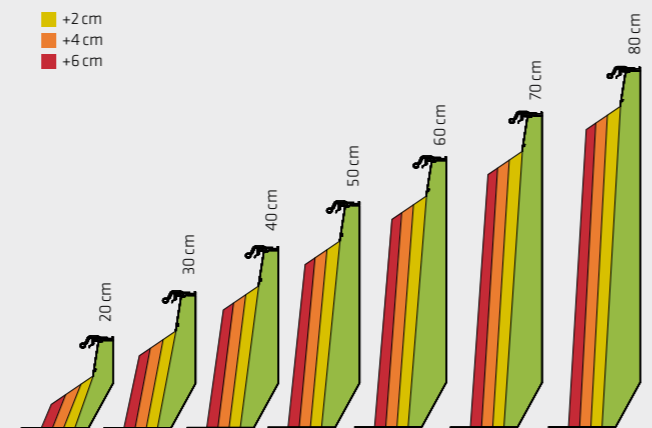


The **Wemalux upstand (UP)** not only has an incident **light and air exchange surface** that is more than **10% larger** as a result of its special interior contour; it is also the ideal thermal connection between the Wemalux domelight and the building's structure.



It also forms a stable base for the entire structure, in which the brackets and fittings for ventilation devices, electric fans and Wemasmog smoke ventilation devices and LifeGuard fall-through protection are mounted.

Upstands come in different insulation thicknesses and different heights.



Wemalux GRP upstand

GRP upstands are made from **glass-reinforced polyester with CFC-free rigid foam insulation** in a stable box design.

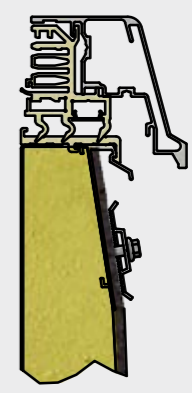
- Interior design:** white glass-reinforced laminate in RAL 9010 for a perfect visual effect
- Exterior design:** additional glass-reinforced laminate for a weather-resistant seal.
- Standard heights:** 20 cm, 30 cm, 40 cm, 50 cm
- Standard insulation thicknesses:** 2 cm, 4 cm, 6 cm, 8 cm and 10 cm
- Flange designs:** versatile for individual roof connections



Wemalux thermally-separated steel upstand

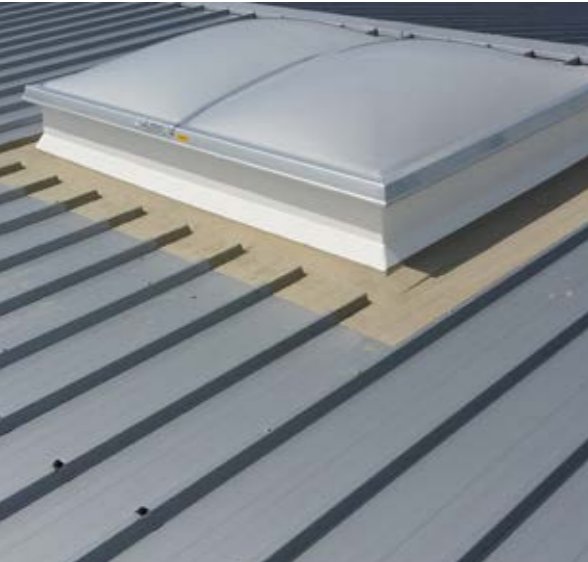
100% recyclable materials for sustainable building. The steel upstands that are completely thermally separated are made from **galvanised and coated sheet steel** in RAL 9002 (other colours are also possible on request) with **insulation made from dimensionally stable mineral wool panels** and have the **highest fire resistant class**.

- Variant without dome:** Optionally with adjusted thermal insulation, with an upstand clamp for the direct connection of roof covers
 - Variants with dome:**
 - Aluminium plate welded, with insulation
 - Glass-reinforced polyester laminate with insulation (weather-proof sealing)
- Both variants are available with a large number of potential flange designs for customised roof connections.
- Standard heights:** 20 cm, 30 cm, 40 cm, 50 cm and in 5 cm increments up to 80 cm

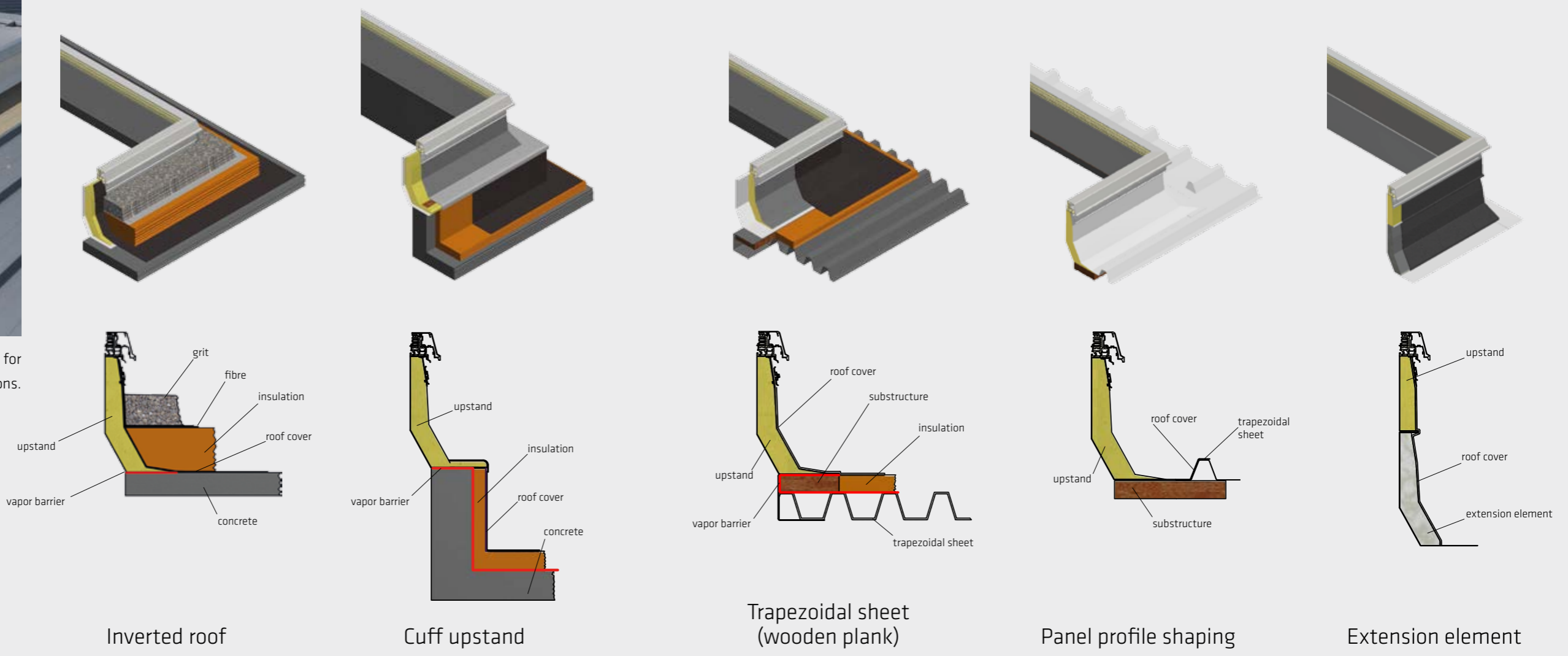


Upstand clamps can be delivered for all sizes, customised and perforated.

Upstand installation variants – versatile and variable



Each domelight is suitable for all installation options.



Assembly on an inverted roof
The conventional roofing in the home on a concrete ceiling. The upstand is placed on the raw ceiling. Upstand heights of up to 80 cm are possible.

Assembly on the upstand
With thermally insulated flange and drip edge. The benefit is that the roof can be completed and then the complete, pre-assembled domelight unit moved into position.

Assembly on a trapezoidal roof
Is primarily used in hall construction. The trapezoidal sheet is used as a supporting substructure. The upstand is positioned at a corresponding height in the pre-cut and replaced opening (in this case, wood).

Assembly on finished surfaces
Flange configurations made from glass-reinforced polyester enable a connection to be made on any finished roof. Flange configurations for panel profiles, trapezoidal sheet, Eternit roof cladding, etc. can be used directly on the finished roofing without any additional expenditure for replacements.

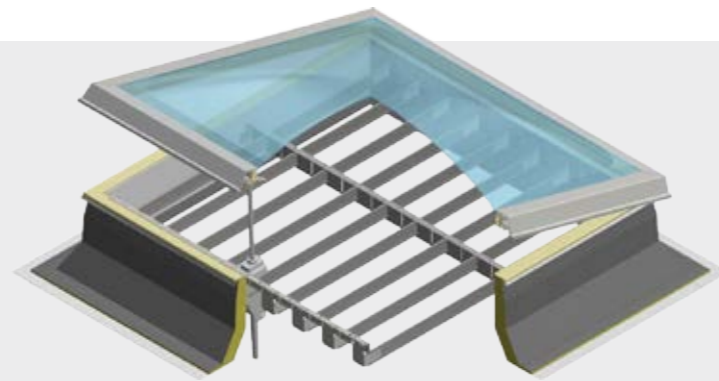
Extension elements/vertical frames also with GRP upstand and steel upstand
at heights of 10 cm to 80 cm. In vertical form to elevate existing upstands in the event of increased roof insulation. The old upstands do not have to be taken apart as part of a laborious process for roof refurbishment. They are simply elevated.



Safety is essential

Solar panels, air-conditioning systems or a roof garden turn roofs into frequently used areas – whether it be for maintenance or during leisure time. The risk of climbing on domelights unintentionally increases when children play, when removing high snow loads from the roof in winter and when clearing snow from the solar panels. It is quite possible for you to fall through. Only a stable and tested structure offers extensive protection.

Safety on the roof – LifeGuard and LifeNet



LifeGuard

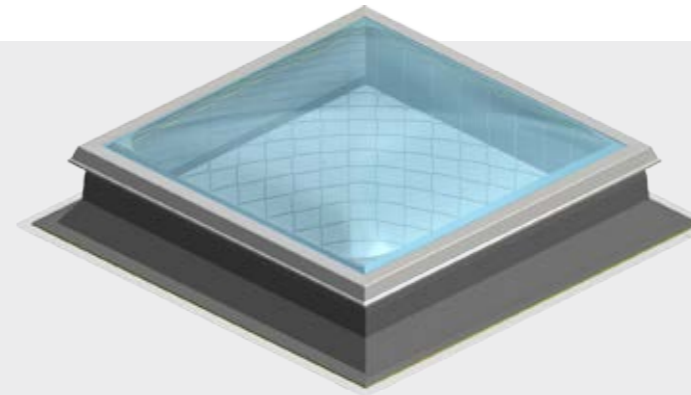
The LifeGuard from Eberspächer is a stable structure made of galvanised or optionally coated sheet steel – designed and tested for maximum loads and is **integrated into the upstand**.

The LifeGuard offers maximum safety immediately after assembly – on the building site.

It can be integrated into all ceiling openings **up to a max. width of 6.0 m and any lengths**. Whether pre-assembled at the factory or subsequently installed on the building site, whether rigid roofing or with an opening actuator for ventilation or smoke and heat exhaust ventilation, whether in an open or closed state: The LifeGuard is custom-made and perfectly coordinated with the structure.

It is not only a perfect fall-through protection solution but also offers anti-burglary protection through the robust structure and can be **retrofitted into all domelights made by Eberspächer and all other manufacturers**.

The LifeGuard from Eberspächer is **certified according to the Technical University of Vienna No. VFA 2006 0464-01 in accordance with EN 1873**.



LifeNet

The LifeNet from Eberspächer is a safety net made from stainless steel rope mesh which **is fixed between the domes on the aluminium frame**. This means it is ideally integrated into the structure and meets the highest safety and visual requirements.

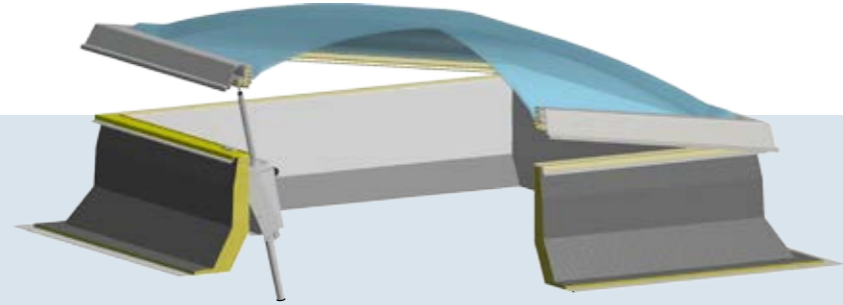
It is especially suitable for rigid or ventable domelights. It is therefore possible to equip **all domelight sizes**. Directly integrating the LifeNet into the domelight structure still allows for an unimpeded access hatch, e.g. for maintenance work to the chimney sweep.

The LifeNet from Eberspächer **was certified by the Technical University of Vienna No. 9884/1/1 in accordance with EN 1873**.

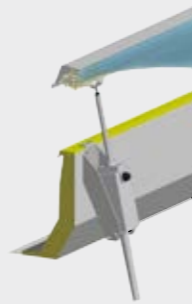




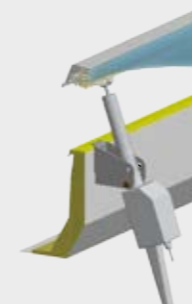
Ventilation – for a perfect indoor climate



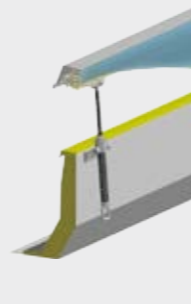
The energy efficiency of buildings is very important these days. The natural ventilation and venting of buildings can play a critical part in this. It is essential for the flap systems to be managed intelligently and automatically and connected to the central building control system. Fresh air can also be supplied simply by manually operating a switch or by wireless transmission.



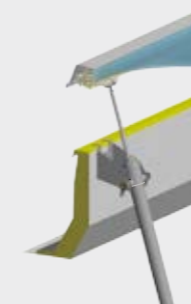
Type L/EL
Spindle motor,
230 VAC
Stroke length from 300 mm
up to 500 mm



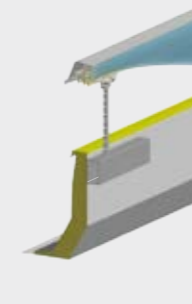
Type L/EL-24
Spindle motor,
24 VDC
Stroke length from 300 mm
up to 500 mm



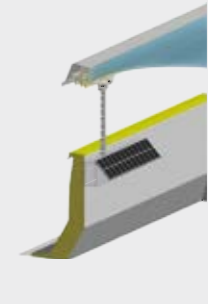
Type L/SP
Manually spindle.
Stroke length 300 mm.



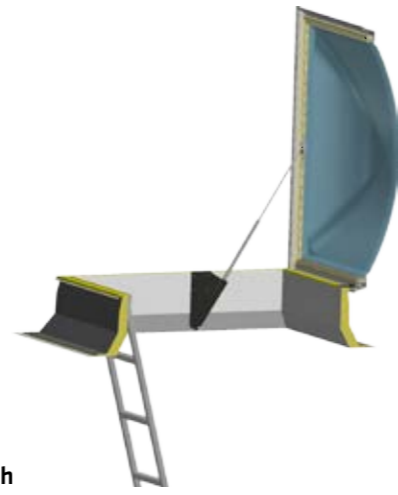
Type L/PN
Pneumatic cylinder, 6bar.
Stroke length from 300 mm
up to 1000 mm



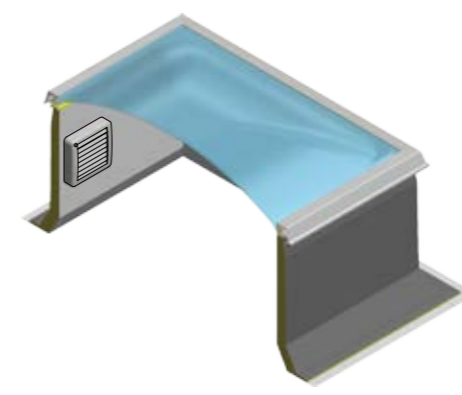
Type L/EL-K
Chain drive,
24 VDC or 230 VAC.
Stroke length 500 mm.



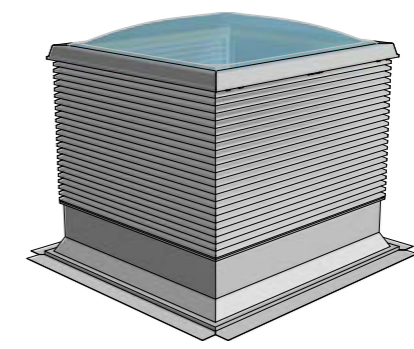
Type L/EL-KS
Chain drive, driven by
an integrated solar panel.
Stroke length 300 mm.



Access hatch
Access hatch manually opened or electrically opened.



Electric fan
Upstand higher than 300 mm can be equipped with an electric fan. Performance from 150 m³/h up to 1000 m³/h. Power supply 230 VAC.



Permanent vent
For permanent ventilation our upstands can be equipped with a permanent vent out of aluminium profiles.

Smoke ventilation device for safety in the event of a fire



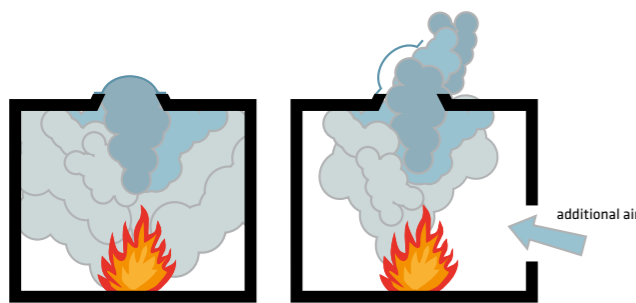
Wemasmog

Natural smoke and heat exhaust ventilation devices (NSHEV) save lives, protect material assets and are essential elements of fire protection concepts, which are mandatory in accordance with "fire prevention".

The domelight in the roof is opened by the fume mechanisms in the event of a fire, allowing the hot, toxic fire fumes to escape. A smoke-free layer above the floor is retained, allowing people to escape from the fire zone and giving the fire brigade access to extinguish the fire.

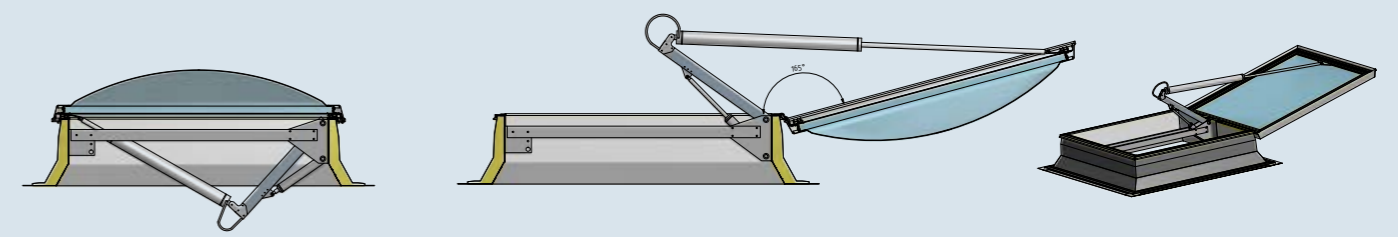
Wemasmog is a specially developed and certified smoke ventilation device from Eberspächer Tageslichttechnik which also meets the specific requirements of the alpine regions and their high snow loads.

The CE-verified devices guarantee the highest quality of smoke ventilation manufactured at the in-house factory in Austria. Wemasmog meets all legal requirements for fire protection.

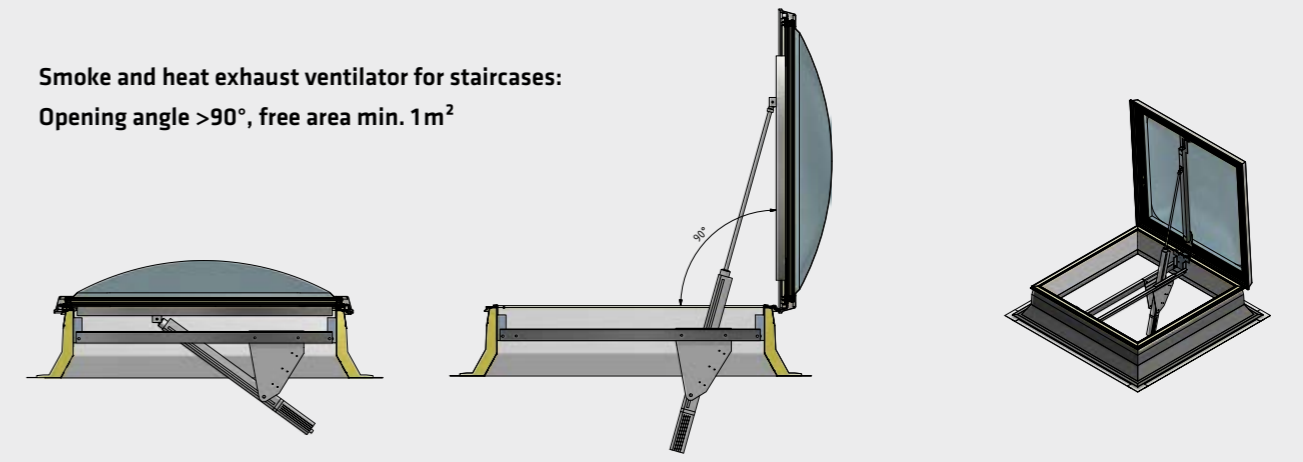


Opening and closing mechanism for NSHEV

Smoke and heat exhaust ventilator according to EN 12101-2. Opening angle 165°



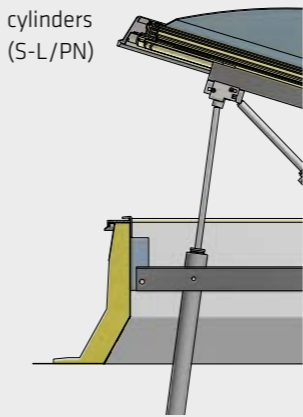
Smoke and heat exhaust ventilator for staircases: Opening angle >90°, free area min. 1m²



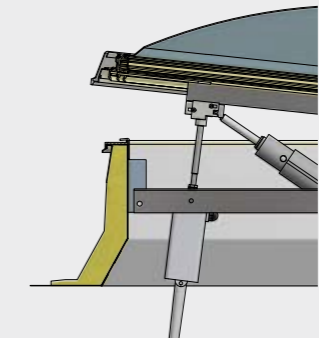
Daily ventilation

Wemasmog can be equipped with a **CO₂-driven actuator (S-L/PN)** or an **electric 24 V DC (S-L/EL24 V)** or **230 V AC drive (S-L/EL230 V)** for daily ventilation.

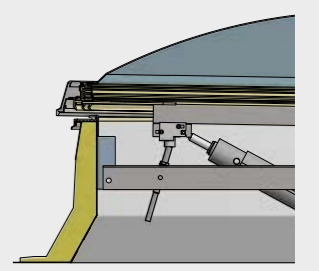
Compressed air driven cylinders (S-L/PN)



Electric driven motors (S-L/EL24 V) bzw. (S-L/EL230 V)



For higher wind load (S-L)



Electrical controls



Ventilation button



Fire detectors
Optical beam smoke detector or thermal detector (approx. 70° C) surface mounted



Fire switch
Manually operated fire detector



Room thermostat
for automatic opening and closing of skylights and windows



Key vent button
To control electric driven access hatches



Control panel acc. EN 12101-10
Power supply and control panel for smoke vents. Incl. Battery back-up. Controls all detectors.



Weekly timer
for automatic opening and closing of skylights and windows

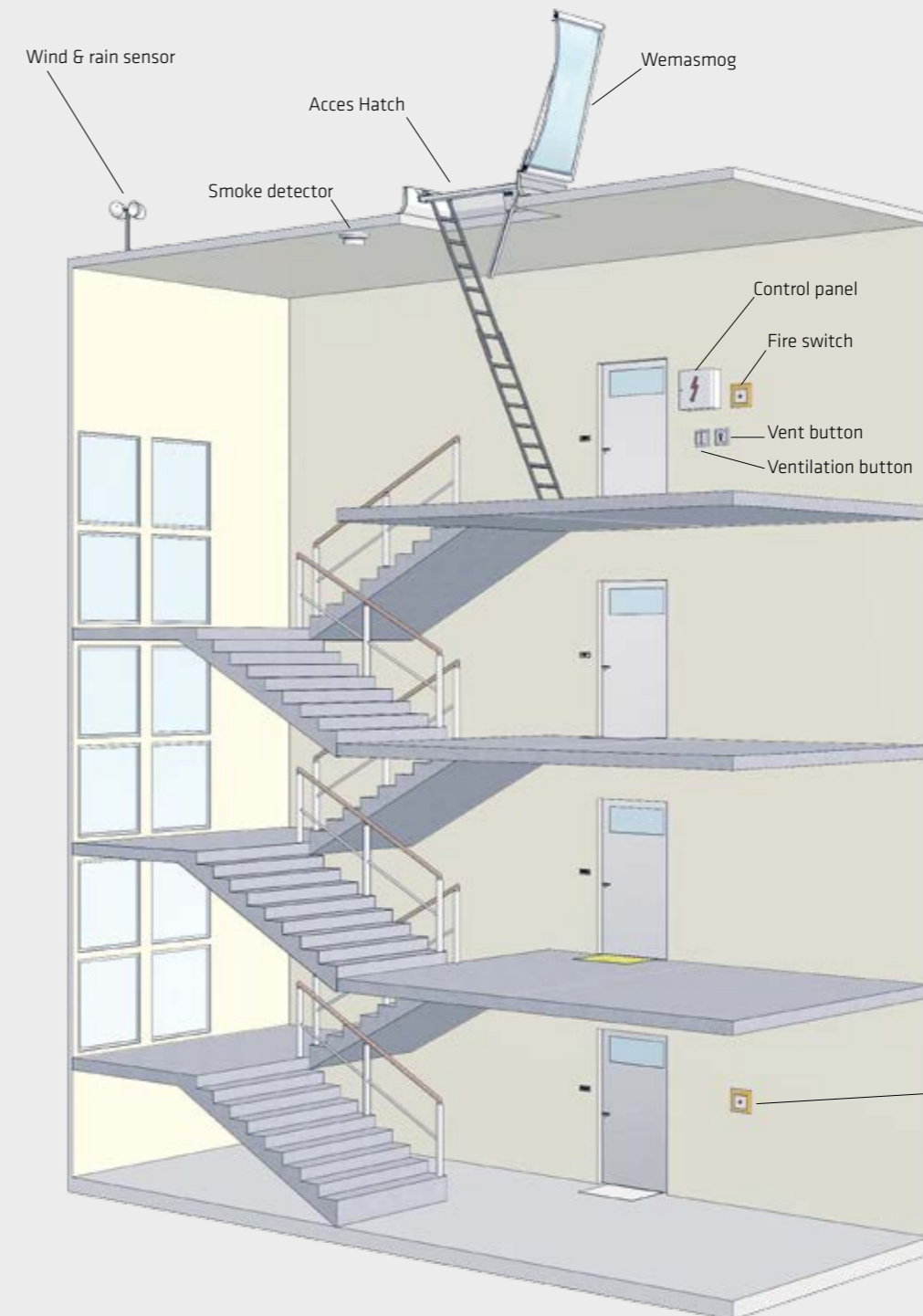


Wind/rain sensor
consists a wind wheel and rain sensor for automatic control of a ventilation system.

Control panels

Important note:

Smoke and heat exhaust ventilation systems are fire protection safety devices. They protect human lives and material assets in the event of an emergency and enable the fire brigade to extinguish the fire. Smoke and heat exhaust ventilation systems must be maintained once a year by the manufacturer.



CO₂-valves



Control panel acc. EN 12101-10
Manually control panel for CO₂-driven skylights



Ventilation button
Manually control panel for compressed air driven daily ventilators. (approx. 6 bar)



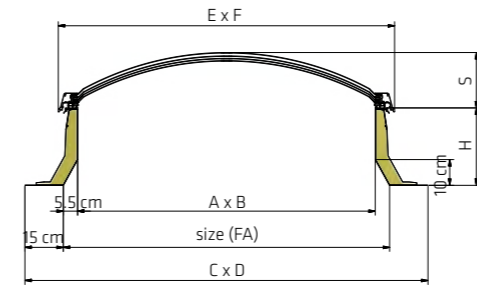
Thermal detector (approx. 70° C)
Control panel for automatically opening in case of fire.



Filter regulator
incl. gauge, water removal and mounting bracket.



Technical data



Wemalux M glazings – technical data

Standard glazing, one opal layer

	Ug [W/m²K]	Light transmission [%]	G-Value [%]	Noise reduction [dB]
Wemalux 2 opal	2.5	80	71	21
Wemalux 3 opal	1.8	74	61	22
Wemalux 4 opal	1.4	68	53	23
Wemalux 5 opal	1.1	62	45	24

Standard glazing, all layers clear

	Ug [W/m²K]	Light transmission [%]	G-Value [%]	Noise reduction [dB]
Wemalux 2 clear	2.5	85	74	21
Wemalux 3 clear	1.8	78	64	22
Wemalux 4 clear	1.4	72	55	23
Wemalux 5 clear	1.1	66	47	24

Standard glazing, outer layer HEAT BLOCK

	Ug [W/m²K]	Light transmission [%]	G-Value [%]	Noise reduction [dB]
Wemalux 2 opal Heat Block	2.5	23	34	21
Wemalux 3 opal Heat Block	1.8	21	30	22
Wemalux 4 opal Heat Block	1.4	19	25	23
Wemalux 5 opal Heat Block	1.1	18	22	24

Wemalux M – square sizes

FA free area in the roof [cm]	Free area upstand A x B [cm]	Mounting flange C x D [cm]	Overall size domelight E x F [cm]	Aerodynamic free area		
				Geometrical free area, pneumatic driven NSHEV [m²]	Tested aerodynamic free area, pneumatic driven NSHEV [m²]	Tested aerodynamic free area, electric driven NSHEV [m²]
60 x 60	49 x 49	90 x 90	65 x 65	0.24		
70 x 70	59 x 59	100 x 100	75 x 75	0.35		
80 x 80	69 x 69	110 x 110	85 x 85	0.48		
90 x 90	79 x 79	120 x 120	95 x 95	0.62		
100 x 100	89 x 89	130 x 130	105 x 105	0.79	0.75	0.71
120 x 120	109 x 109	150 x 150	125 x 125	1.19	1.08	1.02
125 x 125	114 x 114	155 x 155	130 x 130	1.30	1.17	1.11
140 x 140	129 x 129	170 x 170	145 x 145	1.66	1.47	1.39
150 x 150	139 x 139	180 x 180	155 x 155	1.93	1.69	1.60
160 x 160	149 x 149	190 x 190	165 x 165	2.22	1.92	1.82
180 x 180	169 x 169	210 x 210	185 x 185	2.86	2.43	
200 x 200	189 x 189	230 x 230	205 x 205	3.57	3.00	
220 x 220	209 x 209	250 x 250	225 x 225	4.37	3.63	

Wemalux M – rectangular sizes

50 x 100	39 x 89	80 x 130	55 x 105	0.35		
50 x 150	39 x 139	80 x 180	55 x 155	0.54		
60 x 90	49 x 79	90 x 120	65 x 95	0.39		
60 x 160	49 x 149	90 x 190	65 x 165	0.73		
60 x 300	49 x 289	90 x 330	65 x 305	1.42		
80 x 180	69 x 169	110 x 210	85 x 185	1.17		
80 x 300	69 x 289	110 x 330	85 x 305	1.99		
90 x 120	79 x 109	120 x 150	95 x 125	0.86		0.77
100 x 150	89 x 139	130 x 180	105 x 155	1.24	1.13	1.07
100 x 200	89 x 189	130 x 230	105 x 205	1.68	1.50	1.42
100 x 250	89 x 239	130 x 280	105 x 255	2.13	1.88	1.78
100 x 300	89 x 289	130 x 330	105 x 305	2.57		
120 x 150	109 x 139	150 x 180	125 x 155	1.52	1.35	1.28
120 x 180	109 x 169	150 x 210	125 x 185	1.84	1.62	1.53
120 x 200	109 x 189	150 x 230	125 x 205	2.06	1.80	1.70
120 x 210	109 x 199	150 x 240	125 x 215	2.17	1.89	1.79
120 x 220	109 x 209	150 x 250	125 x 225	2.28	1.98	1.87
120 x 240	109 x 229	150 x 270	125 x 245	2.50	2.16	2.04
120 x 270	109 x 259	150 x 300	125 x 275	2.82		2.30
120 x 300	109 x 289	150 x 330	125 x 305	3.15		2.56
125 x 225	114 x 214	155 x 255	130 x 230	2.44	2.11	2.00
125 x 250	114 x 239	155 x 280	130 x 255	2.72	2.34	2.22
125 x 300	114 x 289	155 x 330	130 x 305	3.29		2.66
150 x 180	139 x 169	180 x 210	155 x 185	2.35	2.03	1.92
150 x 210	139 x 199	180 x 240	155 x 215	2.77	2.36	2.24
150 x 240	139 x 229	180 x 270	155 x 245	3.18	2.70	2.56
150 x 250	139 x 239	180 x 280	155 x 255	3.32	2.81	2.66
150 x 270	139 x 259	180 x 300	155 x 275	3.60		2.84
150 x 300	139 x 289	180 x 330	155 x 305	4.02		3.06
180 x 240	169 x 229	210 x 270	185 x 245	3.87	3.24	
180 x 250	169 x 239	210 x 280	185 x 255	4.04	3.38	
180 x 270	169 x 259	210 x 300	185 x 275	4.38		
180 x 300	169 x 289	210 x 330	185 x 305	4.88		
200 x 300	189 x 289	230 x 330	205 x 305	5.46		

Customizing: As manufacturer we can produce ever size you wish.



Six steps to creating a tailor-made domelight



1

Building

- What type of building is it?
- What purpose does it fulfil?
- Warehouse
- Machine hall
- Public facilities
- Living room
- What happens there exactly?
- What indoor temperature is used?

2

Environmental factors

- What does the environment look like?
- Which additional factors must be taken into account?
- Outdoor temperature
- Incident sunlight
- Noise pollution
- Risk of hail
- Snowfall
- Weather conditions

3

Roof cladding

- What does the roof structure look like?
- What is the insulation thickness?
- Which roof type?
- Which roof cladding?
- Black cover
- Sheet metal
- Trapezoid
- Foil roof

4

Intended purpose

- What can the domelight be used for?
- Daylight
- Daily ventilation
- Smoke ventilation
- Ventilation control
- Access hatch

5

Accessories

- What other special requirements are there?
- Heat protection
- Visual protection
- Darkening
- Control

6

Size & dimensions

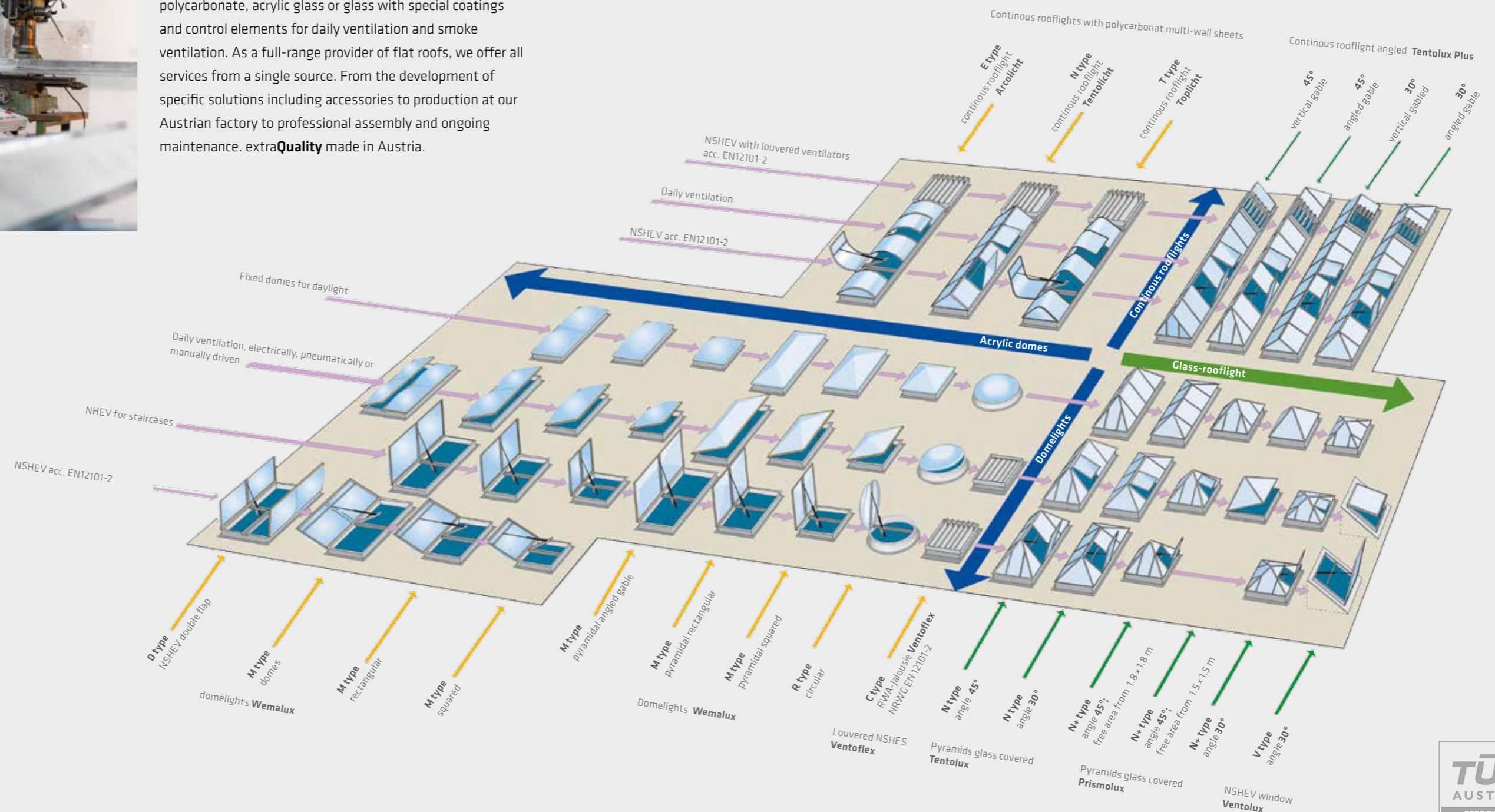
- How many square metres of daylight surface are provided?
- Which sizes?
- How many units?

Only a tailor-made domelight is the perfect addition to the building envelope. The interplay between all elements is crucial here in terms of their intended purpose. The guideline above provides a response to the requirements and is the basis for careful planning. After all, the Wemalux M series is custom-made. **extraQuality** made in Austria.

Flexible and complete – a frontrunner for flat roofs in every respect



Whether for production halls and warehouses, office blocks or homes – we offer innovative and high-quality domelight, continuous rooflight and pyramid systems: made from polycarbonate, acrylic glass or glass with special coatings and control elements for daily ventilation and smoke ventilation. As a full-range provider of flat roofs, we offer all services from a single source. From the development of specific solutions including accessories to production at our Austrian factory to professional assembly and ongoing maintenance. extraQuality made in Austria.





extraQuality made in Austria

extra**experienced**

Active for 40 years in Austria and Central Europe
Innovation and topic leader in Austria
Long-term relationships with key suppliers ensure the raw materials are always of consistently high quality
Detailed procedural know-how simplifies project acceptance tests

extra**efficient**

Modular system enables customised production according to individual requirements
EN 9001 ensures the highest quality for the entire service provision process
Special solutions for all purposes: hail-proof, fall-through proof, snow-load proof, etc.
In-house production in Austria

extra**innovative**

Own product development for the Central European market
Continuous improvements in energy saving and the prevention of condensate formation
Defined product categories simplify the optimum product selection
Certified smoke and heat exhaust ventilation devices also available for specific requirements
Stored data simplify planning

extra**reliable**

Personal consulting and requirement analysis on site
Rapid and extensive initial information
Professional support for the implementation of special requests
High-quality physical and mechanical assembly by a highly trained team
Professional project management ensures that work is handled with utmost precision

extra**sustainable**

The permanent availability of spare parts ensures that the value of our customers investment for 100 % recyclable products is secured for decades
All integrated materials can be reused
The long-term corporate strategy secures qualified jobs for skilled workers and creates opportunities for the future of trainees.
Supporting social initiatives aimed at developing the region





extra**Quality**
made in Austria

//engineering innovation

Eberspächer stands for the very best in daylight technology. With our decades of experience, significant technical expertise and state-of-the-art production systems, we develop high-tech solutions that deliver a lasting upgrade of working and living spaces. And we invest a great deal of time and energy into continuously improving our product range. We are therefore regularly setting new standards in modern daylight technology.

Acustico

Arcolicht

Flatlux

Prismolux

R/R8 type

Tentolux

Toplicht

Wemaflap

Wemalux

Eberspächer Tageslichttechnik GmbH

Obere Hauptstraße 55-59

2451 Au am Leithaberge

Phone +43 (0)2168 8271-0

Fax +43 (0)2168 8271-17

eberspaecher@tageslichttechnik.at

www.tageslichttechnik.at