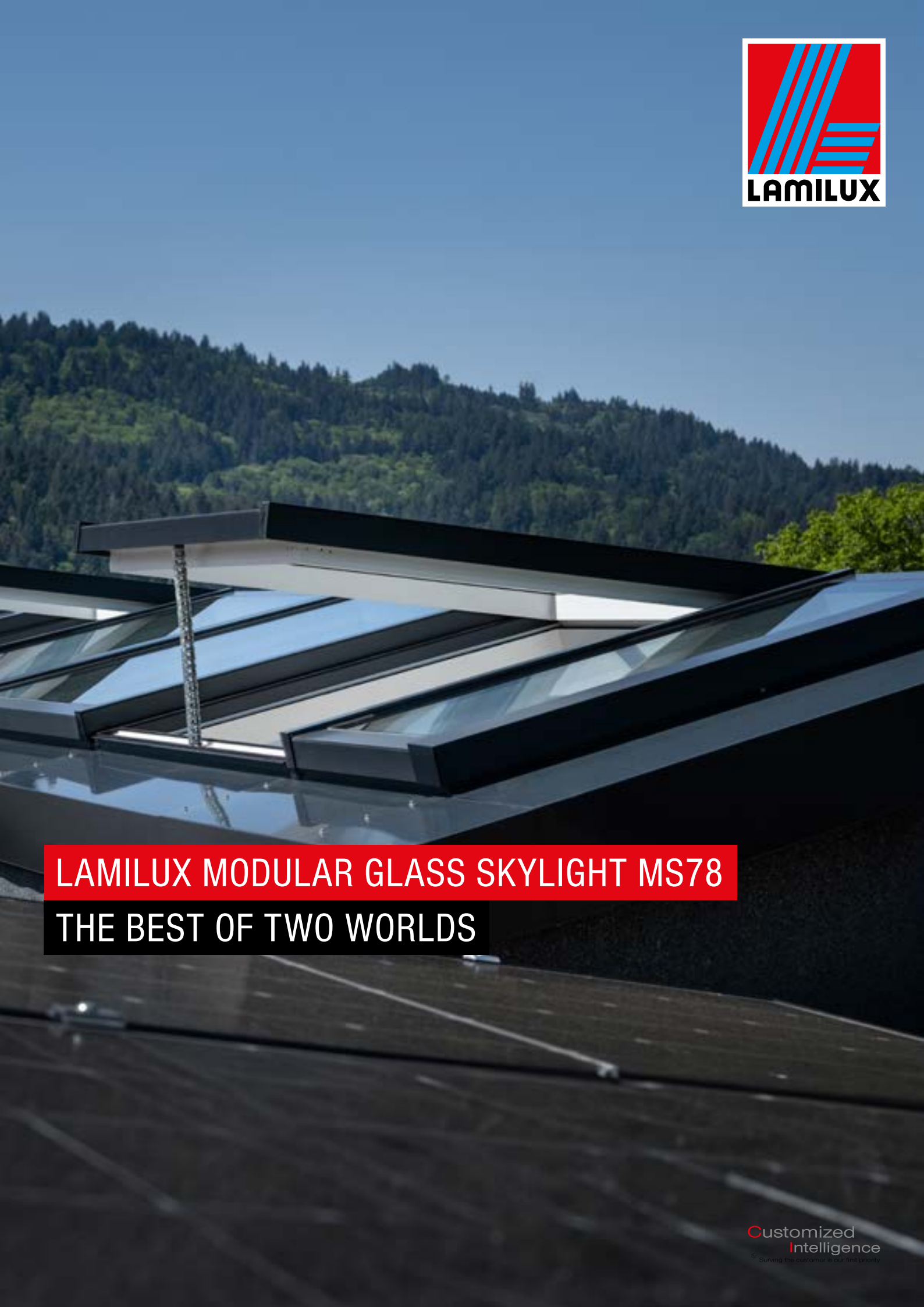

LAMILUX MODULAR GLASS SKYLIGHT MS78

THE BEST OF TWO WORLDS

Customized Intelligence

Serving the customer is our first priority

THE BEST OF TWO WORLDS

“Modularity is the guiding principle of our time and the ideal prerequisite for modern and future-proof architecture projects. Our LAMILUX Modular Glass Skylight MS78 combines generous modules for more daylight in the room with a reduced number of profiles. The native vent integration (NFI) offers maximum ventilation flexibility combined with a homogeneous appearance, while the simple assembly and absolute tightness at the module joints significantly facilitate installation.”

Niklas Braun Technical Manager

Experience innovation in glass skylight construction with the LAMILUX MS78. The modular glass skylight system combines the latest developments in glass skylight architecture with the proven advantages of the LAMILUX Glass Skylight FE and LAMILUX Glass Roof PR60. Thanks to the native vent (sash) integration (NFI) and the flexibility of unrestricted sash configurations, the MS78 impresses with its uniform appearance of opening and fixed elements. Installation takes place directly onto load-bearing substrates such as concrete, wood or steel without the need for additional profiles. Discover a harmonious fusion of daylight, innovation and design with the LAMILUX MS78.

The LAMILUX CI Philosophy

Our sole purpose is defined by the value we provide to our customers, placing their benefit at the heart of everything we do. This calls for unity, identity, and alignment between customer benefit and corporate direction.

These guiding principles underpin our business approach and the way we interact with our customers daily, encapsulated in the LAMILUX company philosophy:

Customised intelligence – serving the customer as a principle:
For us, this means delivering top performance and leading the way in all areas relevant to our customers, particularly as:

- Quality leader - delivering the highest value for the customer
- Innovation leader - staying ahead technologically
- Service leader - fast, straightforward, reliable, and friendly
- Expertise leader - offering the best technical and commercial advice
- Problem-solving leader- providing individual, tailored solutions

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LAMILUX MODULAR GLASS SKYLIGHT MS78

For over 70 years, we have been setting benchmarks with our innovative and refined skylights, continually advancing our daylight systems. Our goal? To offer you more: more functionality, more energy efficiency, more design, more daylight, more fresh air, and more safety.

We focus not only on ongoing development but also on pioneering new approaches to create innovative solutions tailored to your projects. This dedication led us to combine the best features of our LAMILUX Glass Skylight FE and LAMILUX Glass Roof PR60: short delivery times, exceptional quality standards, expansive light surfaces, and outstanding ventilation comfort. We can therefore offer you a concept that combines trusted quality with fresh, innovative ideas: the Modular Glass Skylight MS78.

The new LAMILUX glass roof system provides exceptional design freedom, available in widths of up to 3.00 metres and variable lengths to suit your needs. Our new Modular Glass Skylight MS78 can be installed at an inclination of between 5° and 30°, depending on your requirements. Together with the flush design of the glass surface and the eaves-side frame profile, this ensures optimal water drainage and prevents dirt build-up. With its high glass content and sashes (opening vents) without clamping frames, it allows maximum daylight entry and creates expansive light-filled spaces. The number of sashes (opening vents) can be freely planned and arranged in sequence, creating a maximum ventilation area and excellent fresh air supply.

The native sash integration ensures a seamless, uniform appearance both inside and out, while concealed or internally mounted drives maintain a clean and minimalist interior design. When it comes to safety, the MS78 sets the highest standards with an overlapping drainage profile and durable materials. Thanks to lean, automated processes, you also benefit from short delivery times and simple roof integration.

COMBINES THE ADVANTAGES OF TWO PROVEN SYSTEMS WITH NEW GLASS ROOF INNOVATIONS

LAMILUX Glass Skylight FE

Short delivery times
through lean and automated processes

Best quality standards
due to high degree of prefabrication

Simple and safe roof integration
through system-specific connection technology

LAMILUX Glass Roof PR60

Large areas of light
due to multi-pane glazing

Proven glass roof drainage
with two drainage levels

High ventilation comfort
through variable opening vent (sash) integration

LAMILUX Modular Glass Skylight MS78

LAMILUX WORLD

LAMILUX World is a virtual showroom where customers can dive online into the broad product range of the daylight system manufacturer. The virtual world has now been expanded to include the new field of smoke extraction. The innovative LAMILUX Modular Glass Skylight MS78 can also be explored in detail when you take a virtual tour of the site.

Scan the QR code to explore the world of LAMILUX

NEW

LAMILUX product configurator

- Create your custom product variant
- With a single click, share or request information, and download BIM items, 2D and 3D CAD models, images, dimensional drawings, and data sheets in your preferred file format

lamilux.com/bim

ALL ADVANTAGES AT A GLANCE

More light – high glass content with module sizes up to 1.30 m x 3.00 m

Even more light – full light surface thanks to sashes without clamping frames

More air – maximum ventilation area with unrestricted (opening vent) sash configurations

Sustainable product design enables a closed material cycle through pure-grade recycling

Optimised construction process
Complete installation from the roof in one step, including vapour-tight connection

SEP

Overlapping drainage profile
Ensures maximum safety starting from the first sealing level

NFI

Native sash integration
Provides a seamless appearance, blending vents and fixed elements

SAM

Self-aligning module connection
V-groove simplifies precise installation

PRODUCT DESCRIPTION

ENERGY-EFFICIENCY

Significant savings on heating costs and reduced condensation risk thanks to a kink-free isothermal curve

Comprehensive thermal insulation with a compact, thermal-bridge-free overall system

The overall system offers thermal insulation values significantly above the legal requirements, for lower costs and active energy savings

Comprehensive Environmental Product Declaration (EPD) certified in accordance with DIN EN ISO 14025 and DIN EN 15804

COMFORT AND DESIGN

Minimalist interior design achieved through opening vents with concealed, integrated drives

Maximum daylight entry thanks to vents without clamping frames and a slim frame profile

Seamless and uniform appearance of opening vents and fixed elements

Permanently clear views ensured by a smooth, uninterrupted water drainage system

FUNCTIONALITY DURING EXTREME WEATHER EVENTS

Water tightness in accordance with DIN EN 12208 class E 1800

Enhanced sound insulation and reduced rain noise achieved with specialised glazing (Rw = 45 dB)

Wind load resistance of at least class C3/B4 in accordance with DIN EN 12210

Airtightness, meeting Class 4 under DIN EN 12207

QUICK AND EASY TO INSTALL

Precise installation is ensured by the V-groove design and the self-aligning module connection (SAM)

The system can be mounted directly onto sturdy substrates such as concrete, steel, or wood, without the need for additional mounting or compensating profiles

Complete installation from the roof in one step, including vapour-tight connection

The modular design enables large-scale projects to be completed in a short time

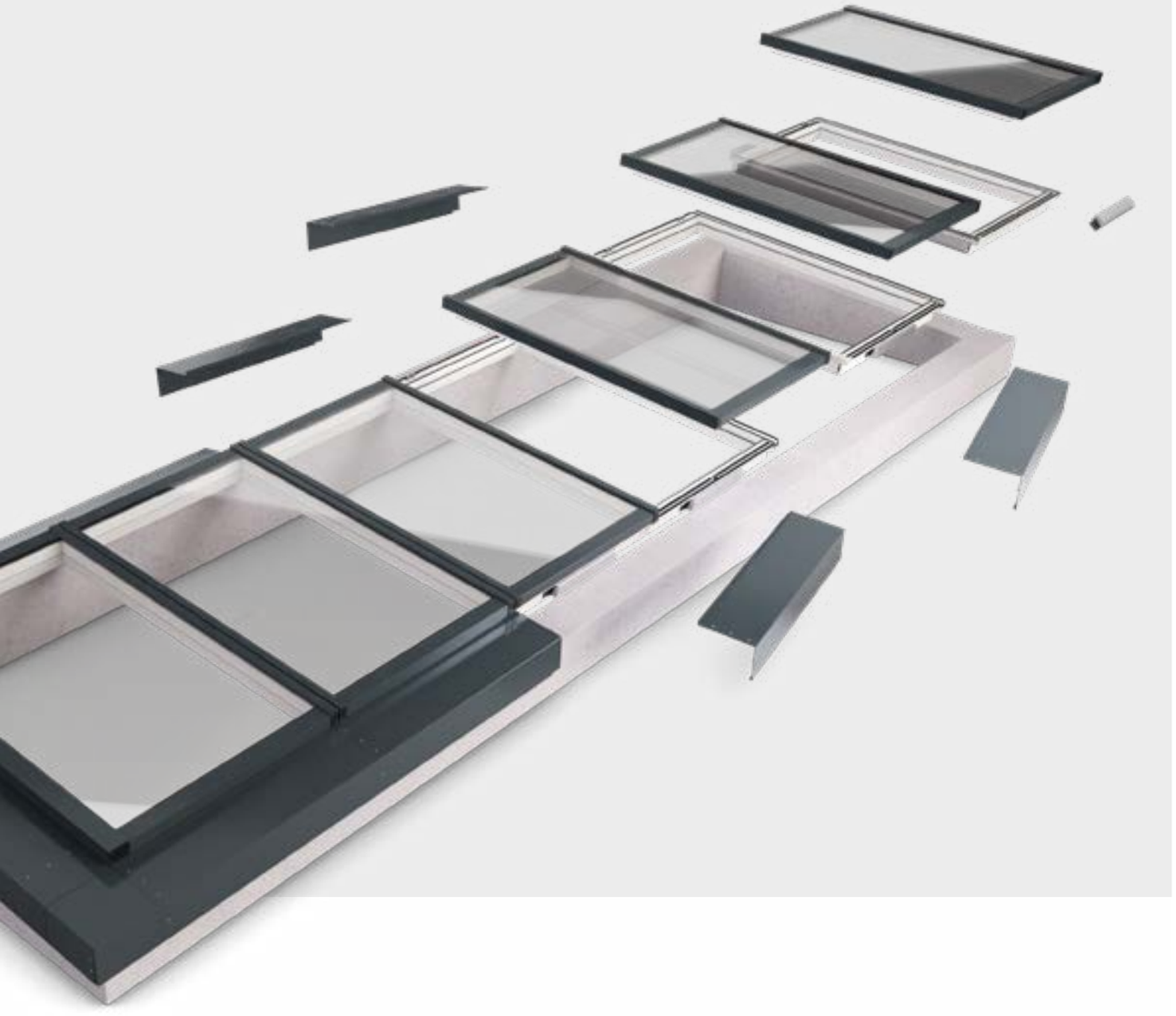
SAFE AND SECURE

Certified fall-through protection in compliance with DIN 18008-6

Maximum security is ensured from the very first sealing level thanks to the overlapping drainage profile (SEP)

Safe and secure thanks to the long service life of the entire system

TECHNICAL DETAILS



STRUCTURAL CONNECTION

Our LAMILUX Modular Glass Skylight MS78 can be installed directly onto sturdy substrates such as concrete, wood, and steel, thanks to innovative load converters, eliminating the need for additional profiles. The specialised design of our glass roof eliminates the need for additional profiles to create a stable and secure connection while compensating for tolerances in the substrate. This not only saves time and costs during installation but also provides greater flexibility in the choice of substrate.

Installation on a concrete upstand

Installation on a wooden upstand

Installation on a steel sheet frame

DIMENSIONS

The LAMILUX MS78 Modular Glass Skylight is a flexible pitched skylight, available in widths of up to 3.00 metres and variable lengths. This flexibility in design allows for perfect adaptation to your architectural requirements.

The glass roof can be installed at an incline of 5° to 30°. Its flush surface design ensures optimal water drainage and prevents dirt build-up, making the cleaning of glass surfaces much easier.

All module widths and heights can be combined as needed.

Module width (in m)

0.675 0.75 0.80 0.90 1.00 1.10 1.20 1.30

Module height (in m)

0.70 0.90 1.10 1.30 1.50 1.70 1.90 2.00
2.10 2.30 2.40 2.50 2.70 3.00

GLAZING VARIANTS

Our glazing options are individually tailored to consider the following aspects

Thermal insulation glazing

Double ESG

ESG exterior - VSG interior

Ug value: 1.0 W/(m²K), 1.1 W/(m²K)

Sound insulation value: approx. 38 dB

Light transmission: approx. 75%, 80%

Energy transmission: approx. 52%, 62%

Triple ESG

ESG exterior - float - VSG interior

Ug value: approx. 0.6 W/(m² K)

Sound insulation value: approx. 39 dB

Light transmission: approx. 72%

Energy transmission: approx. 51%

Thermal insulation glazing with matt light film (MHF)

Double ESG (MHF)

ESG exterior - VSG interior

Ug value: 1.0 W/(m²K), 1.1 W/(m²K)

Sound insulation value: approx. 38 dB

Light transmission: approx. 51%, 54%

Energy transmission: approx. 50%, 59%

Triple ESG (MHF)

ESG exterior - float - VSG interior

Ug value: approx. 0.6 W/(m² K)

Sound insulation value: approx. 39 dB

Light transmission: approx. 49%

Energy transmission: approx. 50%

Solar control glazing

Double 50/25 ESG, 60/30 ESG or 70/37 ESG

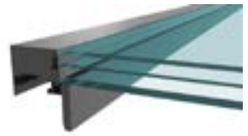
ESG exterior - VSG interior

Ug value: 1.0 W/(m²K), 1.1 W/(m²K)

Sound insulation value: approx. 38 dB

Light transmission: approx. 52%, 60%, 68%

Energy transmission: approx. 28%, 33%, 37%



Triple 50/25 ESG, 60/30 ESG or 70/37 ESG

ESG exterior - float - VSG interior

Ug value: approx. 0.6 W/(m² K)

Sound insulation value: approx. 39 dB

Light transmission: approx. 45%, 55%, 62%

Energy transmission: approx. 25%, 30%, 34%

Solar control glazing with matt light film (MHF)

Double 50/25 ESG, 60/30 ESG or 70/37 ESG (MHF)

ESG exterior - VSG interior

Ug value: 1.0 W/(m²K), 1.1 W/(m²K)

Sound insulation value: approx. 38 dB

Light transmission: approx. 36%, 40%, 46%

Energy transmission: approx. 27%, 32%, 35%

Triple 50/25 ESG, 60/30 ESG or 70/37 ESG (MHF)

ESG exterior - float - VSG interior

Ug value: approx. 0.6 W/(m² K)

Sound insulation value: approx. 39 dB

Light transmission: approx. 31%, 37%, 42%

Energy transmission: approx. 24%, 29%, 33%

Sound insulated glazing

Double ESG

ESG exterior - VSG interior

Ug value: approx. 1.1 W/(m² K)

Sound insulation value: approx. 45 dB

Light transmission: approx. 79%

Energy transmission: approx. 55%

Sound insulated glazing with matt light film (MHF)

Double ESG

ESG exterior - VSG interior

Ug value: approx. 1.1 W/(m² K)

Sound insulation value: approx. 45 dB

Light transmission: approx. 54%

Energy transmission: approx. 54%

MAIN COMPONENTS

Sash/fixed element

- Maximum ventilation area and full flexibility
- Uniform appearance creates a harmonious overall aesthetic

Weather shield

- Prevents water ingress
- Channels rainwater and protects against roof penetration

Base frame

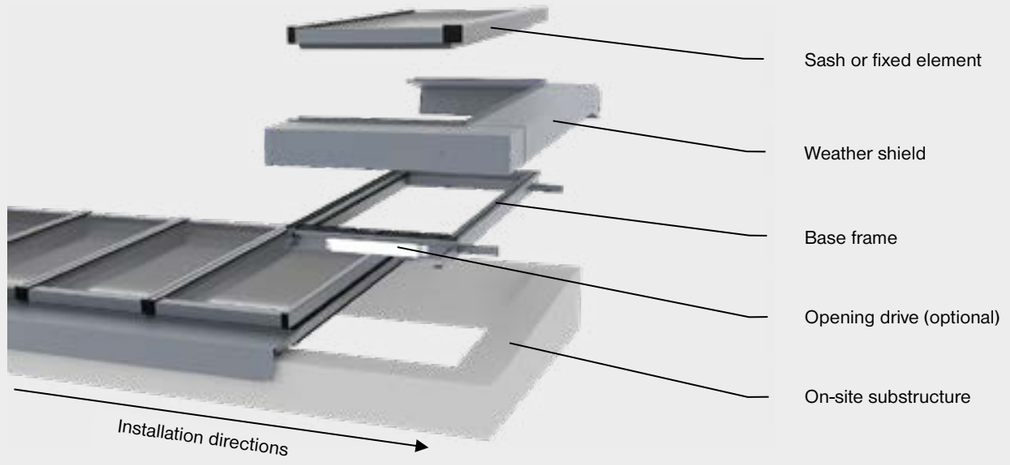
- Supports the overall structure
- Stable and durable

Opening drive

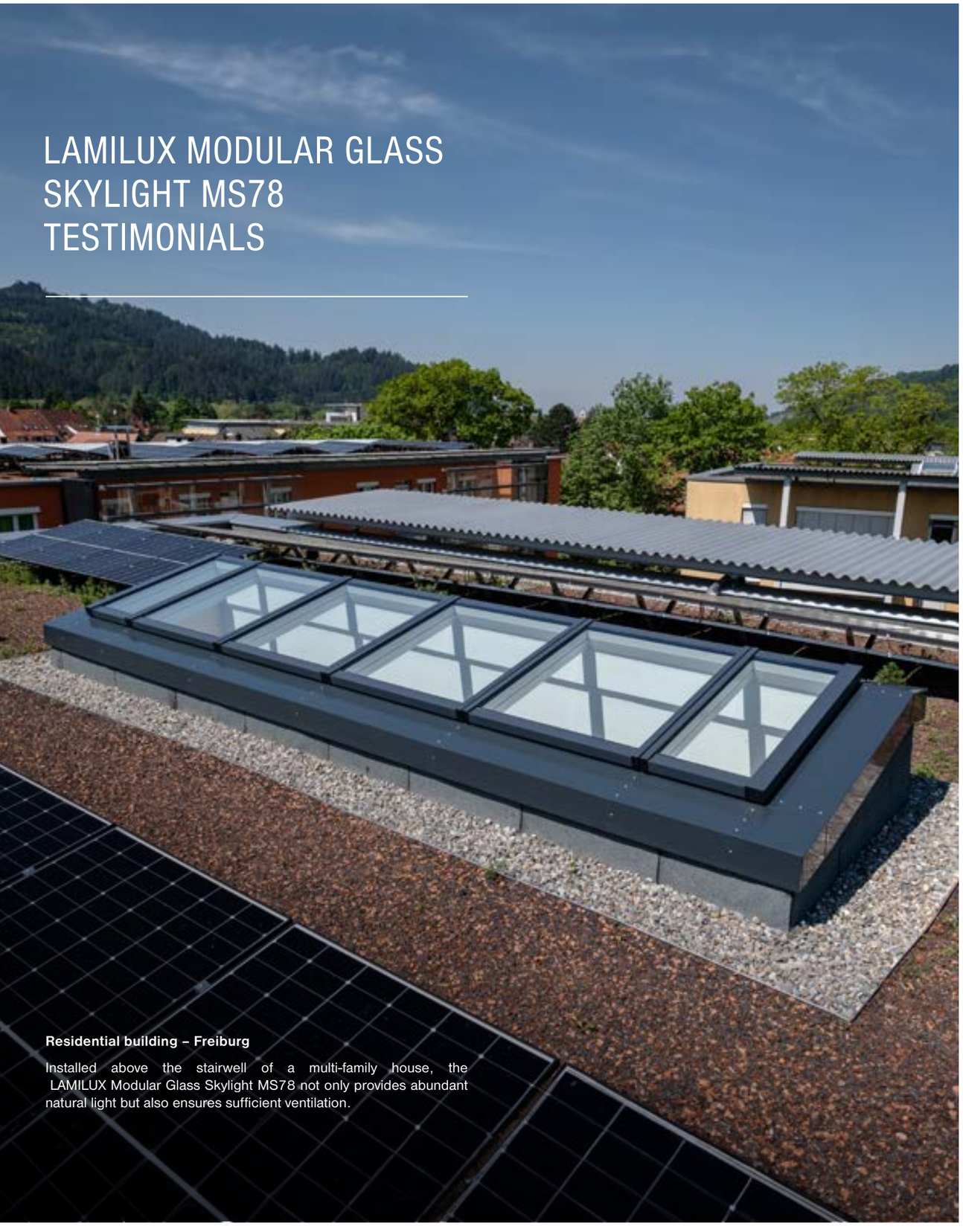
- Electromechanical or pneumatic opening of the vents

On-site substructure

- Variable depending on building structure and requirements



LAMILUX MODULAR GLASS SKYLIGHT MS78 TESTIMONIALS



Residential building – Freiburg

Installed above the stairwell of a multi-family house, the LAMILUX Modular Glass Skylight MS78 not only provides abundant natural light but also ensures sufficient ventilation.

Residential complex – Berlin

The new Buckower Felder urban district located on the southern outskirts of Berlin, features over 600 new apartments spread across six residential complexes. In two of these residential complexes, a LAMILUX Modular Glass Skylight MS78 was installed above the stairwell to flood the interior with abundant natural daylight.

ACCESSORIES

THE SASH SYSTEM

Our system provides a maximum ventilation area and complete flexibility. The opening sashes can be arranged in any number directly next to each other, without the need for fixed panels in between. Despite this, the sashes are designed to function without clamping frames, allowing the full ventilation and light surface of the supporting profile system to remain unobstructed. This also benefits the appearance: ventilation sashes and fixed panels look identical, creating a harmonious overall aesthetic. Even the drives do not disrupt this visual harmony. They enable effective opening widths of 300 mm, 500 mm, or 600 mm and are discreetly integrated into the profile system. This combination makes the sash system a groundbreaking innovation in glass roof design.

INTERNAL ROLLER BLINDS

The Modular Glass Skylight MS78 can optionally be equipped with an internal roller blind, providing optimal privacy, sun, and glare protection. Our roller blind system for the LAMILUX Modular Glass Roof MS78 is designed with a sleek and aesthetically pleasing look, seamlessly blending into the overall design of the glass roof. The sun protection for the Modular Glass Skylight MS78 operates on thin wires, minimising any obstruction to the light surface when open. Our internal roller blinds offer a range of advantages for shading your building. Installing a roller blind reduces solar radiation and minimises heat build-up inside the building. At the same time, it prevents glare caused by direct sunlight.

Available in the following colours:

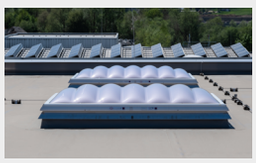
White Light grey Slate grey

EXTERNAL SHADING

To provide controlled management of daylight and solar heat entering the building, the Modular Glass Skylight MS78 can alternatively be equipped with an external shading system. The external blind allows for flexible regulation of daylight entry, prevents glare, and reduces heat gain – perfect for creating a comfortable indoor climate and promoting energy-efficient building usage.

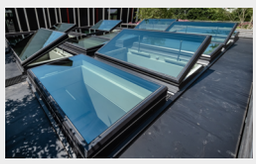
LAMILUX SKYLIGHTS

ROOFLIGHT F100 W



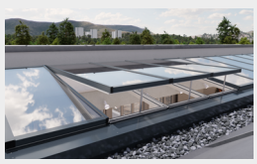
GLASS SKYLIGHT F100

GLASS SKYLIGHT FE



GLASS ARCHITECTURE

MODULAR GLASS SKYLIGHT MS78

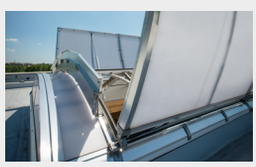


FLAT ROOF ACCESS HATCHES

CONTINUOUS ROOFLIGHT

RENOVATION

SMOKE AND HEAT EXHAUST



BUILDING SMOKE EXTRACTION

RODA LIGHT AND AIR TECHNOLOGY

Scan this to learn more about LAMILUX skylights!

LAMILUX

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