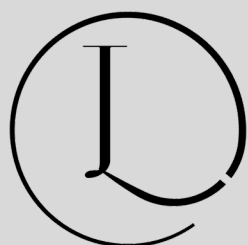




LUMENAIRE

Premium Line
Aluminum
Systems





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Best-in-class architectural aluminium systems

Our Premium Line products are the new generation of advanced systems, designed according to the highest functionality and aesthetics standards to offer architectural solutions of outstanding performance and quality, ideal for modern constructions.

Our Premium Line Offers:

- / Minimal and groundbreaking design.
- / Original solutions for large and impressive constructions.
- / High energy efficiency and top performance.



LUMENAIRE

EUROPEAN WINDOWS & DOORS



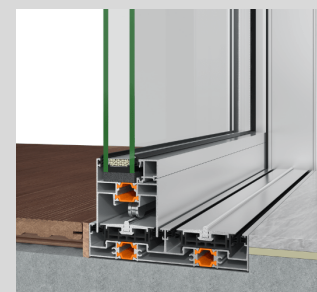
S650

Minimal sliding system, manual or automated, ideal for large glass surfaces with minimum visible aluminium frame.



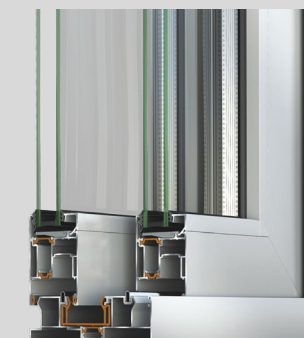
S700

Advanced lift & slide system. The new synthesis of "transparent" architecture, energy efficiency and safety.



M630

The M630 offers a minimal touch in contemporary residences combining minimal design with high thermal performance.



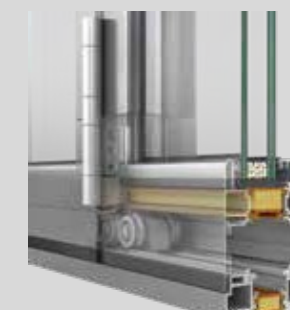
S560

The S560 is a robust, thermally insulated, lift & slide and regular sliding system, which provides high thermal performance, modern design and is ideal for constructions with wide spans.



M450

The M450 is the next generation of advanced systems for minimal lift & slide and regular sliding doors. It meets the requirements of contemporary residences for high thermal insulation and modern aesthetics.



SF85

Minimal bi-folding door system for oversized constructions offering exceptional levels of security and energy efficiency.



S91

Hinged system specially designed to meet the high energy efficiency standards of passive buildings.



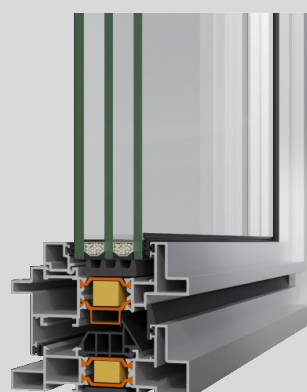
S77

An advanced casement, which meets the high standards of all advanced markets and incorporate a modern design. It is the ideal solution for projects that require high performance and maximum security.



S67

The S67 is the new complete Tilt & Turn system, which combines outstanding thermal insulation performances along with high construction flexibility and exceptional design.



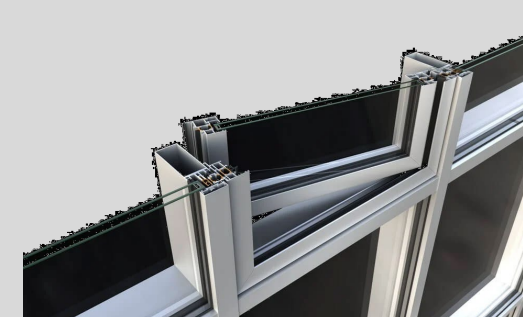
S67 Urban

The S67 URBAN is a new hinged insulated system of unique aesthetics that ideally combines the industrial look along with top performances.



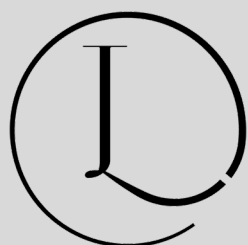
M35

A minimal design offering reduced sightline, compared to other typical Curtain Wall Systems, at 35mm, renders the M35 ideal for Transparent Architecture.



M7

A complete system for high energy efficiency curtain walls, which offers quality constructions in affordable prices and fully meets all stability and safety requirements.



S650

LUMENAIRE

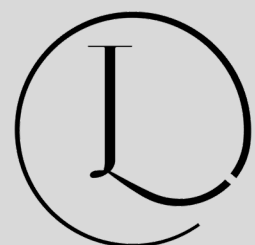
EUROPEAN WINDOWS & DOORS



The Absolute Sense of Freedom

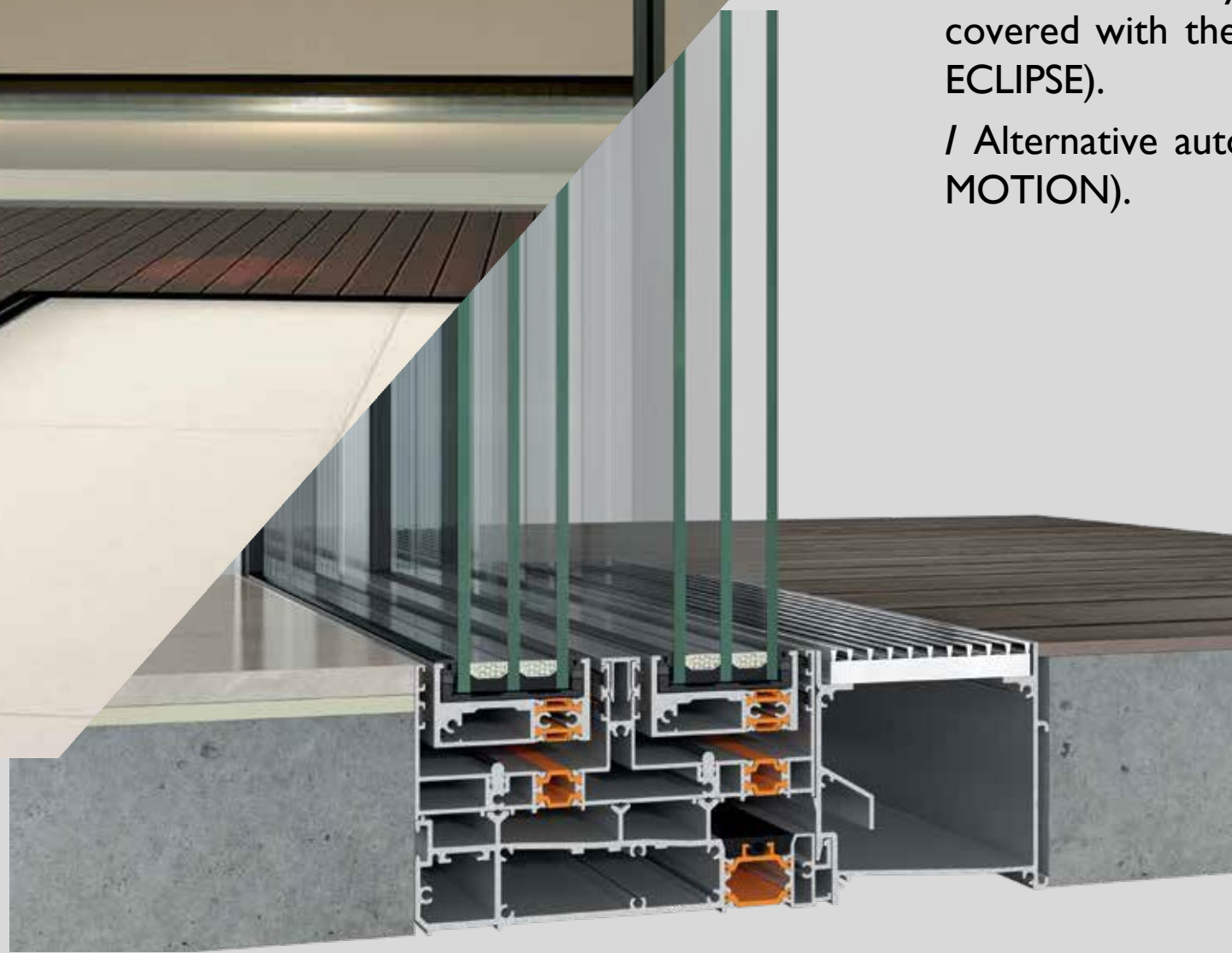
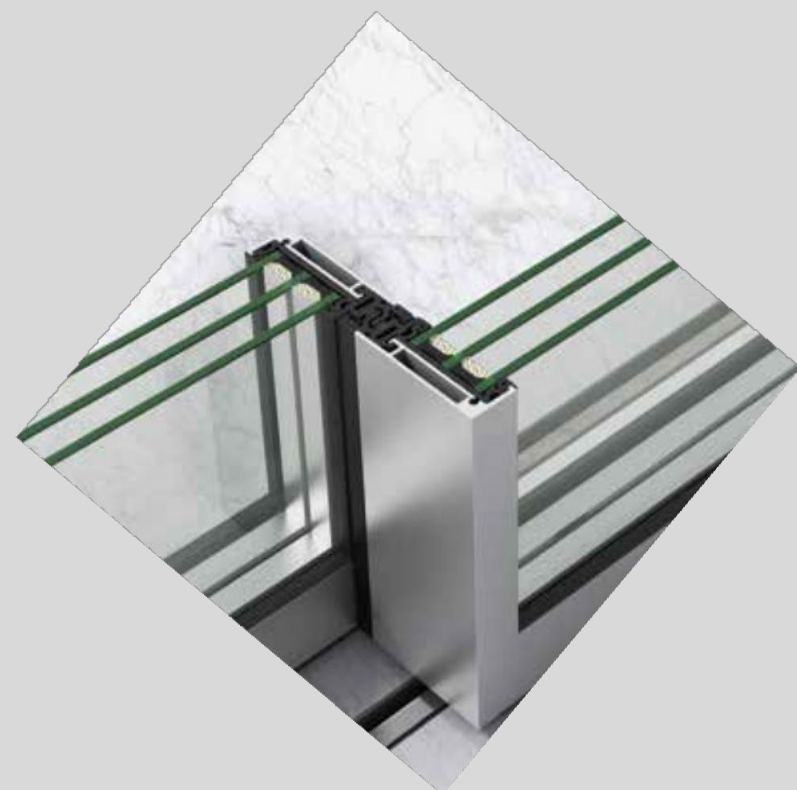
The S650 is the ideal solution for projects requiring wide spans with minimal aluminium site lines. Massive, yet elegant, glazing surfaces are achieved, while maintaining high functionality, performance and minimal architectural design.

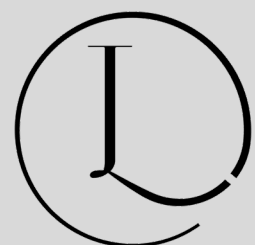
The system's main advantage is the improvement of living conditions, by maximizing the natural light and minimizing the visible aluminium face width. Thus, the residents feel closer to the external environment, increasing their sense of freedom.



S650

- / Basic system's depth 62 mm.
- / All the aluminium profiles are totally integrated into the walls, maximizing natural light in the buildings.
- / Only 25 mm visible aluminium face width at the interlocking profile.
- / Extra concealed profiles available for water drainage.
- / Stainless steel rollers for smooth sliding and maximum functionality, with high resistance to corrosion.
- / Availability of 3 alternative solutions for the on-floor, in-floor or totally concealed in-floor installation, covered with the floor finish (version SUPREME S650 ECLIPSE).
- / Alternative automated version (SUPREME S650 e-MOTION).



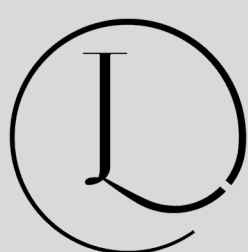


S650

TECHNICAL CHARACTERISTICS

VISIBLE ALUMINIUM FACE WIDTH	CONCEALED PROFILES
FRAME HEIGHT	35 / 59 mm
FRAME WIDTH	164 mm
SASH HEIGHT	22 / 32 mm
SASH WIDTH	62 mm
INTERLOCKING PROFILE WIDTH	25 mm
SASH WEIGHT	1000 Kg
GLAZING	36 / 46 mm
INSULATION	POLYAMIDES, PVC

S650 ECLIPSE



S700

LUMENAIRE

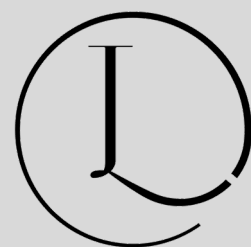
EUROPEAN WINDOWS & DOORS



The Combination of Transparent Architecture and High Energy Efficiency

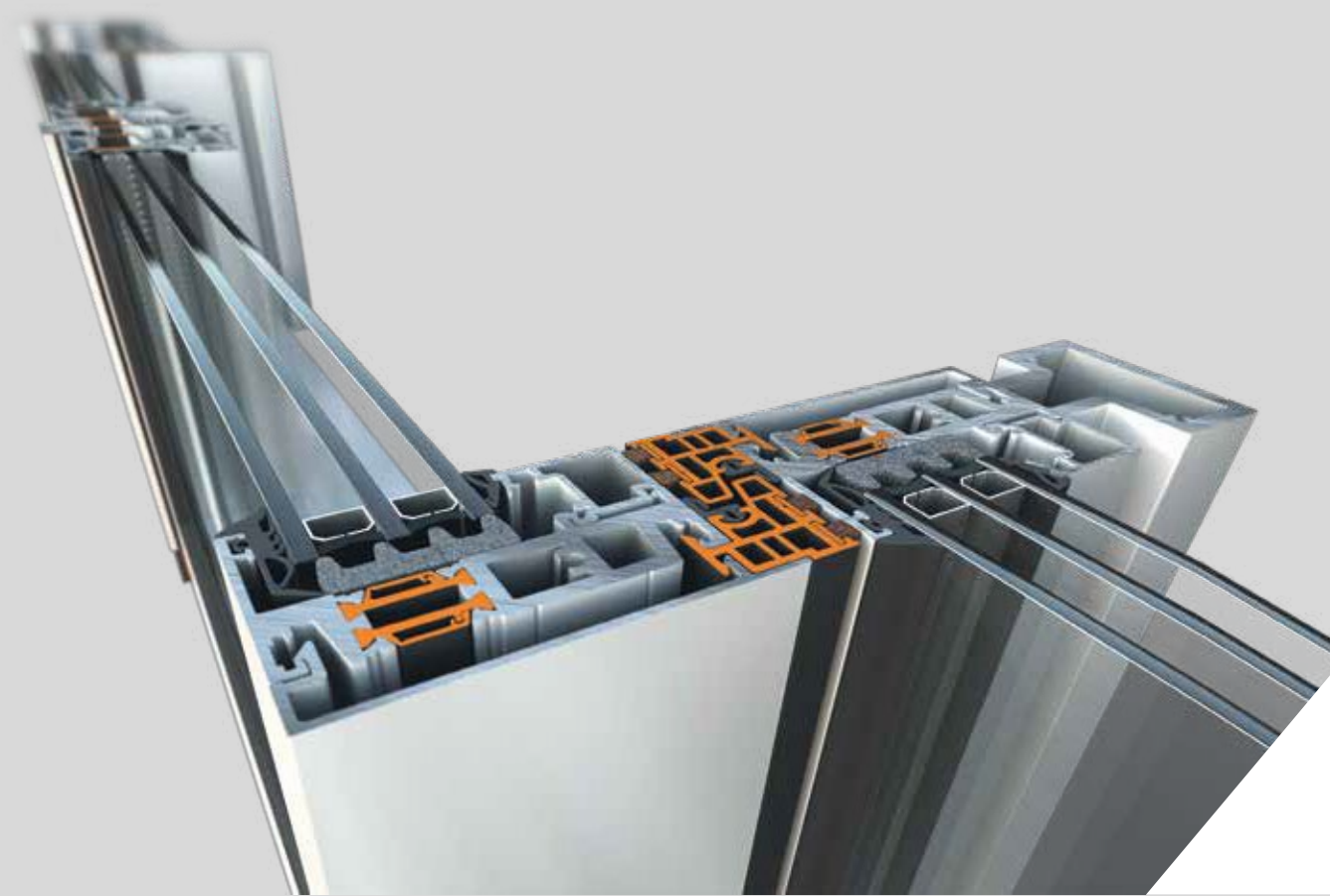
The S700 lift & slide system represents the evolution of advanced systems for projects with wide spans and impressive features. The S700 complies perfectly with the modern trends of “transparent” architecture, combining high thermal insulation, safety and modern design.

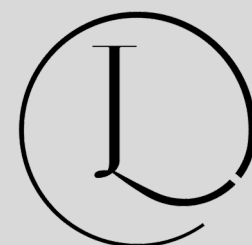
Its minimal design along with the state-of-the-art technology make it the ideal solution for projects enhancing natural lighting, satisfying even the most demanding requirements.



S700

- / Basic system's depth 70 mm.
- / Interlocking face width of only 47 mm for maximum visibility and reinforced profiles for door height of more than 3 m.
- / Innovative low threshold for easy access and high performance.
- / Alternative solution for totally concealed in-floor installation, covered with the floor finish (version S700 Eclipse).
- / High energy efficiency with special anti-distortion polyamides, for improved performance when there are high temperature differences between indoors and outdoors.
- / Smart water evacuation system that guarantees watertightness under any weather condition.





S700

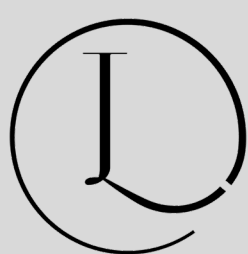
TECHNICAL CHARACTERISTICS

VISIBLE ALUMINIUM FACE WIDTH	115 mm
FRAME HEIGHT	24 / 48 mm
FRAME WIDTH	168,5 mm
SASH HEIGHT	84 / 95,5 mm
SASH WIDTH	70 mm
INTERLOCKING PROFILE WIDTH	47 / 106 mm
SASH WEIGHT	UP TO 600 kg
GLAZING	22 UP TO 50 mm
INSULATION	POLYAMIDES, PVC, NRG BARS, INSULATION FOAM



S700 ECLIPSE





M630

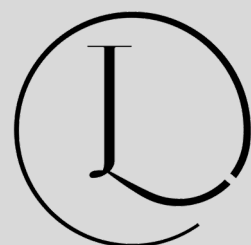
LUMINAIRE³

EUROPEAN WINDOWS & DOORS



Not just a window
a point of view.

The M630 is the ideal choice for minimal thermally insulated sliding windows and doors with wide glazing surfaces. The system can be installed either on-floor or flush to the floor offering a unique combination of elegance and functionality, satisfying even the most demanding requirements.



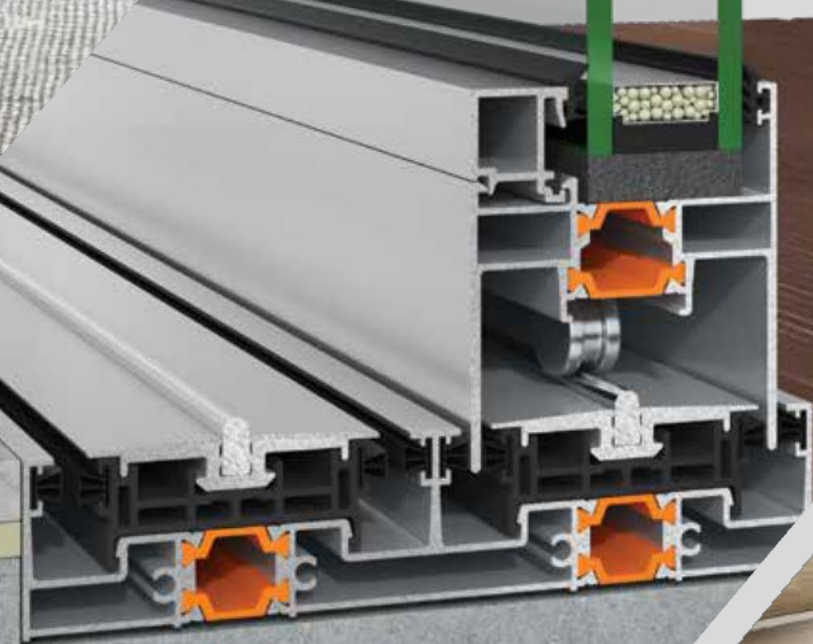
M630

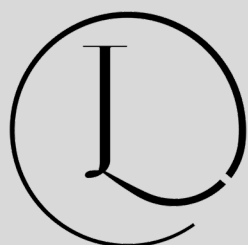
The M630 sliding system offers a minimal touch in contemporary residences, combining minimal design with high thermal insulation performance. Following the “less is more” philosophy, all aluminium profiles can be hidden into the walls, providing a total sense of comfort with top functionality and enhanced safety.

- / Basic system depth 63 mm.
- / Maximum natural light with only 44 mm of visible aluminium face width at the interlocking profile.
- / Easy access, thanks to the low threshold. Ideal for children, the elderly and people with disabilities.
- / Smooth sliding and maximum functionality, with high resistance to corrosion using stainless steel rollers.
- / Extra concealed profiles available for water drainage.

TECHNICAL CHARACTERISTICS

VISIBLE ALUMINIUM FACE WIDTH	CONCEALED PROFILES
FRAME HEIGHT	32 mm
FRAME WIDTH	155 mm
SASH WIDTH	63 mm
INTERLOCKING PROFILE WIDTH	44 mm
SASH WEIGHT	UP TO 250 kg
GLAZING	32 mm
INSULATION	POLYAMIDES, PVC





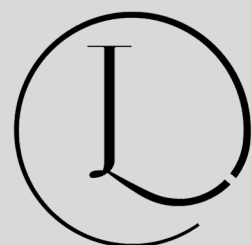
S560

LUMENAIRE³
EUROPEAN WINDOWS & DOORS



Each new situation
requires a new architecture.

The S560 is the smartest solution for Lift & Slide or regular sliding windows and patio doors.



S560

The S560 is a remarkably flexible and robust thermally insulated system for Lift & Slide and regular sliding doors. At the same time, it is distinguished by its modern design, thanks to the slim interlocking profile and the low threshold. It provides high thermal insulation performance, robust constructions and is ideal for large spans.

- / Basic system depth 56 mm.
- / Maximum natural light with only 49 mm of visible aluminium face width at the interlocking profile.
- / Easy access thanks to the low threshold, ideal for renovations (version S560 LT).
- / Flexible constructions of Lift & Slide and regular sliding doors with the same design.
- / Extra concealed profiles available for water drainage.
- / Ideal for renovations and hotel solutions, thanks to the wide variety of typologies.

TECHNICAL CHARACTERISTICS

VISIBLE ALUMINIUM FACE WIDTH	108,5 / 122,5 mm
FRAME HEIGHT	31 / 45 mm
FRAME WIDTH	136 mm
SASH HEIGHT	86 / 96,5 mm
SASH WIDTH	56 mm
INTERLOCKING PROFILE WIDTH	49 / 96 / 106,5 mm
SASH WEIGHT	UP TO 90, 200, OR 300 KG LIFT & SLIDE UP TO 180 KG SLIDING
GLAZING	FROM 22 TO 45 mm
INSULATION	POLYAMIDES 24 mm & 16 mm, PVC, INSULATION FOAM



S560 LT

S560





M450

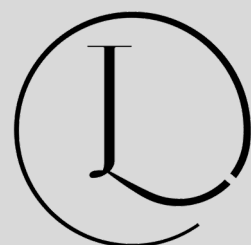
LUMENAIRE³

EUROPEAN WINDOWS & DOORS



Maximum view,
limitless solutions.

The M450 is the next generation of advanced systems for minimal lift & slide and regular sliding doors.



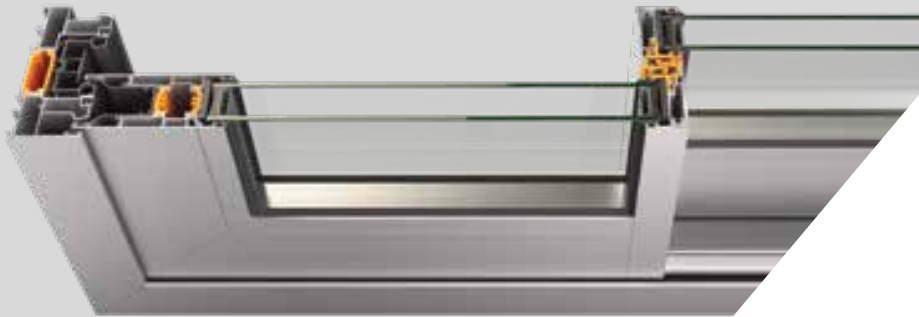
M450

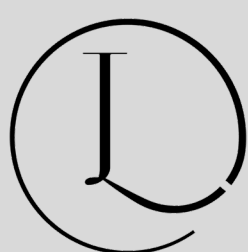
The M450 represents the next generation of advanced systems for minimal Lift & Slide and regular sliding doors. It meets the demanding requirements of contemporary residences for high thermal insulation and modern aesthetics.

- / Basic system depth 45 mm.
- / Minimal and innovative design with 25 mm of visible aluminium face width at the interlocking profile, both for Lift & Slide and sliding typologies.
- / High thermal insulation with patented thermally efficient typologies.
- / Easy to clean frame, with invisible water evacuation and less visible depth.
- / It is ideal for new buildings and renovations, as it provides flexibility of construction and a wide variety of typologies.

TECHNICAL CHARACTERISTICS

VISIBLE ALUMINIUM FACE WIDTH	124,5 mm LIFT & SLIDE - 114 mm SLIDING
FRAME HEIGHT	45 mm
FRAME WIDTH	113 mm
SASH HEIGHT	88 mm LIFT & SLIDE - 77,5 mm SLIDING
SASH WIDTH	45 mm
INTERLOCKING PROFILE WIDTH	25 / 91,5 mm LIFT & SLIDE - 25 / 81 mm SLIDING
SASH WEIGHT	UP TO 200 KG LIFT & SLIDE UP TO 180 KG SLIDING
GLAZING	27 UP TO 36 mm
INSULATION	POLYAMIDES 40 & 24 mm





SF85

LUMINAIRE

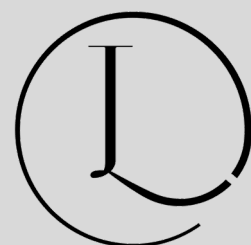
EUROPEAN WINDOWS & DOORS



Astonishing folding doors with unique minimal design, excellent thermal insulation and overall performance

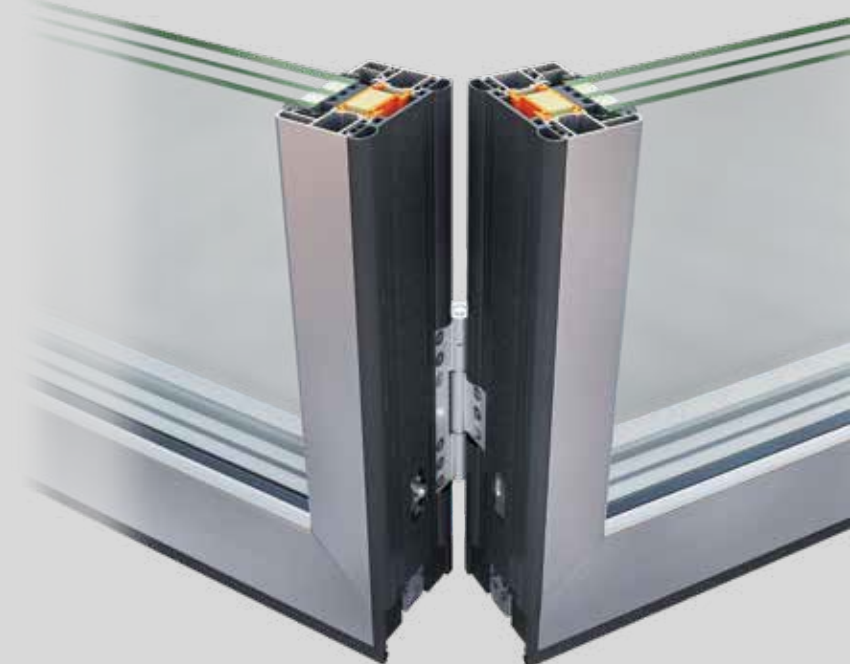
The SF85 is an exceptional folding door system, providing minimal aesthetics, outstanding thermal insulation and the ability to create constructions of very large dimensions and extraordinary low sightlines. Its state-of-the-art fittings are designed to achieve unparalleled performance and a smooth, bottom-slide, operation.

Ideal for flawless residential use as well as for heavy-duty constructions and high-end applications. Its construction flexibility (odd and even number of vents, corner typologies and semi-structural versions), provides numerous solutions, meeting every need in a very effective and elegant way.



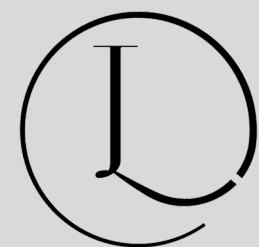
SF85

- / Extremely reduced sightlines offering an excellent minimal design (105 mm sash to sash).
- / Very large dimensions are possible in terms of maximum height (up to 4 m), sash width (up to 1,5 m per sash) and total construction length (infinite).
- / Outstanding thermal insulation for maximum energy savings.
- / Extreme performance in terms of watertightness, air permeability and wind load resistance.
- / Enhanced safety and anti-burglary protection, with quadruple locking latches and anti-lift roller hinges (RC2 certified).
- / Ultra-smooth and long-lasting operation.



SF85
SEMI-STRUCTURAL
with low threshold



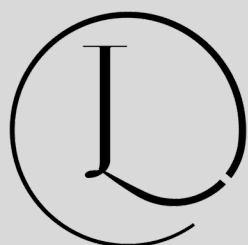


SF85

TECHNICAL CHARACTERISTICS

SASH WIDTH	85 mm
SASH TO SASH SIGHTLINE	105 mm
GLAZING	20-53 (STANDARD SASH) 34-75 (SEMI-STRUCTURAL SASH)
THERMAL INSULATION	POLYAMIDES 40 mm WIDTH, ALUMIL NRG BARS INSULATION & PE INSULATION FOAM
MAIN GASKET	CO-EXTRUDED FOAM & EPDM
PANEL LOCKING	QUADRUPLE LATCHES
VENT WEIGHT	UP TO 200 Kg/VENT





S91



The S91 system, designed for passive house constructions, is the latest solution for robust and modern hinged thermally insulated systems. The system is characterized by its best-in-class performance in terms of thermal insulation, watertightness and sound reduction as well as the high level of security that offers. These characteristics make the system the best choice for the most demanding projects in the most advanced markets.

Innovative hinged
system for passive
houses

- / Certified by the Passive House Institute (PHI), according to passive house specifications. Visible aluminium face of only 93 mm width.
- / Superior thermal insulation with $U_f \geq 0,67 \text{ W/m}^2\text{K}$, thanks to the use of fiberglass reinforced polyamides 54 mm width, PE insulation foam and NRG bars.
- / Exceptional level of watertightness, achieved by a special co-extruded foam EPDM gasket.
- / Ideal for all typologies of casements and patio doors.

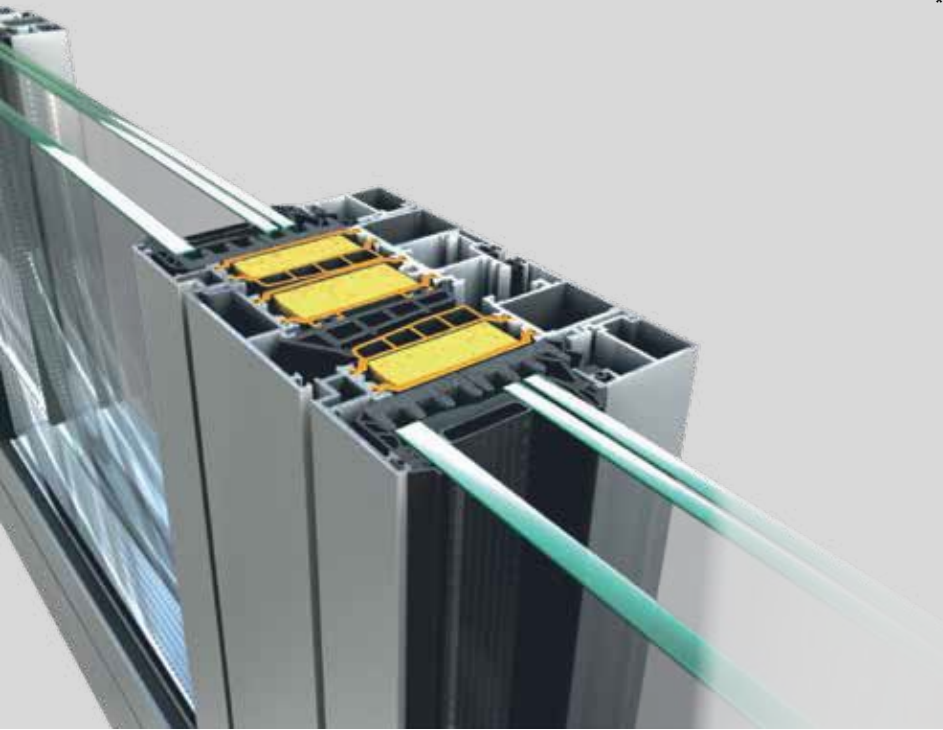
Technical characteristics

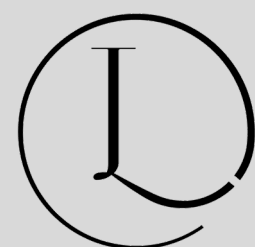
Visible aluminium face width	93 mm
Frame height	61 mm
Frame width	91 mm
Sash height	73 mm
Sash width	99 mm
Sash weight	up to 180 Kg
Glazing	37 up to 81 mm
Thermal insulation	Polyamides 54 mm width, PE insulation foam& NRG Bar

Performance

Thermal insulation	
EN ISO 10 077 -2	$U_w=0,79 \text{ W/m}^2\text{K}$

*For dimensions 1,23 x 1,48 m and $U_g=0,7 \text{ W/m}^2\text{K}$





S77

The S77 is an innovative hinged thermally insulated system, ideal for demanding projects that require robustness and safety. The system offers minimal aesthetics with concealed sash and hinges as well as high watertightness and sound reduction performance.

- / High thermal insulation value $U_f \geq 0,85$ W/m²K, certified by ift Rosenheim Institute.
- / Certified by the Passive House Institute (PHI), according to the specifications for Warm / Temperate climates.
- / Available in 4 energy versions: Standard - Advanced - Advanced Plus - High.
- / Visible aluminium face of 93 mm width and only 67 mm for the concealed sash.
- / Maximum watertightness with 3 levels of EPDM gaskets, co-extruded EPDM and full foam gasket.
- / Specially designed low threshold, easily accessed by people with disabilities.
- / Wide range of sill profiles.



S77

S77 PHOS

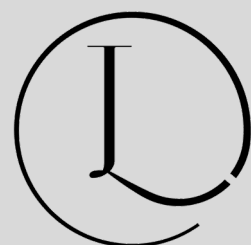
Technical characteristics

Visible aluminium face width	93 mm or 67 mm
Frame height	61 mm
Frame width	77 mm
Sash height	73 mm
Sash width	85 mm
Sash weight	Up to 180 Kg
Glazing	23 up to 72 mm STANDARD 30/45 mm for concealed sash
Thermal insulation	Polyamides 40 mm width, PE insulation foam & NRG Bar

Performance

Thermal insulation EN 10077-2 $U_f=0,85-2,1$ W/m²K
 $U = 1,00$ W/m²K, "High" version
 $U^w = 1,04$ W/m²K, "Advanced Plus" version
 $U^w = 1,18$ W/m²K, "Advanced" version
 $U^w = 1,27$ W/m²K, "Standard" version
^w
(frame size of 1,5 x 2,2 m;
 $U = 0,7$ W/m²K; $\psi = 0.035$ W/mK)





SD77

The SD77 is a system for modern entrance doors of high performance and safety.

The system provides the ability of multiple constructions in combination with either aluminium panels or glazing infills. Its modern, flat design offers elegant uniformity enhancing the series' innovative design and aesthetics.

/ Basic system's depth 77 mm.

/ Low threshold of only 22 mm height with slip-resistant design.

/ High level of thermal insulation and watertightness.

/ Wide variety of security locks and hinges (concealed, barrel or surface mounted).

/ Offers various typologies of entrance doors.

/ Combined perfectly with the S77 casement series.

Technical characteristics

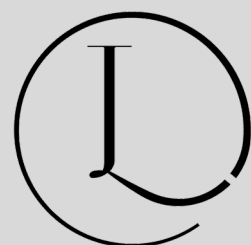
Minimum visible width	154,5 mm
Frame depth	77 mm
Sash depth	77 mm
Minimum visible width T-profile	76 mm
Sash mechanism weight limit	Up to 220 Kg
Glass thickness	23 up to 59 mm
Thermal insulation	Polyamides 40 mm width, PE Insulation foam & NRG Bar

Performance

Thermal insulation EN 10077-2 $U = 0,86 \text{ W/m}^2\text{K}$

*For door dimensions 1,30 x 2,30 m and $U = 0,3 \text{ W/m}^2\text{K}$





S67

A high standard thermally insulated hinged system that offers modern lines and remarkable performance in terms of thermal insulation, air permeability, watertightness and wind load resistance. The system is available in 2 versions: With a concealed sash to enhance natural lighting (PHOS version) and with a visible sash.

/ Frame width 67 mm and sash width 75 mm.

/ Available in 3 energy versions: Standard – Advanced – High.

/ High thermal insulation value $U_f \geq 1,1-2,6$ W/m²K by using special 30 mm fiber glass polyamides in the frame and sash profiles as well as PE insulation foam.

/ Visible aluminium face width of 93 mm and only of 72 mm with the concealed sash.

/ Available in various designs: Flat or curved.

/ 3 levels of watertightness with EPDM gaskets.

/ Certified sound reduction 45 dB.

Technical characteristics

Visible aluminium face width	93 mm
Frame height	51 mm
Frame width	67 mm
Sash height	73 mm
Sash width	75 mm
Max. sash weight	Up to 180 Kg
Glazing	17 up to 58 mm STANDARD 28/34/39mm PHOS

Thermal insulation	30 mm polyamides, insulation foam & Energy Bar
--------------------	------------------------------------------------------

Performance

Thermal insulation EN 10077-2 U_f from 1,1 up to 2,6 W/m²K

$U_w=1,38$ W/m²K, High version
 $U_w=1,45$ W/m²K, Advanced version
 $U_w=1,55$ W/m²K, Standard version
(frame size of
1,5 x 2,2m; $U_g=1,0$ W/m²K; $\psi=0,035$ W/mK)

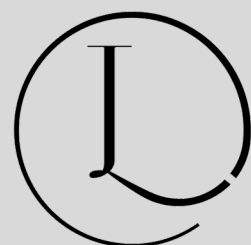


S67 PHOS



S67





MD67

The MD67 is a new system for quality main entrance doors. Distinguished for its modern design and high performance, the system provides the ability to create entrance doors with panels or glazing infills. The special double-sided coplanar design offers unique entrance doors with an exceptional aesthetic value.

- / Basic system's width: 67 mm.
- / Low threshold of almost 16 mm height with slip-resistant design, facilitating access to people with special needs.
- / High level of thermal insulation up to $U_f=1.97$ W/m²K.
- / Designed for various entrance door typologies.
- / Wide variety of security locks and hinges (concealed, barrel or surface mounted).
- / High level of watertightness.
- / Insulated coplanar on both sides panel of 67 mm width for exceptional design, advanced thermal insulation and high security level.

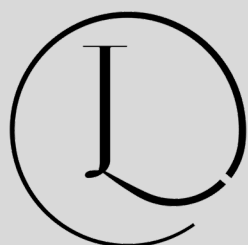
Technical characteristics

Frame width	67 mm
Sash width	67 mm
Minimum visible width	117 mm
Minimum visible width T-profile	85 mm
Sash weight	Up to 220 Kg
Glazing panel	23 up to 49 mm
Thermal insulation	Polyamides of 20 & 24 mm width, insulation foam & Energy Bar

Performance

Thermal insulation EN 10077 2	U_f from 1,97 up to 3,15 W/m ² K
$U_d=1,57$ W/m ² K (For door dimensions 1,0 x 2,2; $U_g=1,0$ W/m ² K ; $\psi=0,035$ W/mK)	





S67 Urban

The S67 URBAN is the new hinged insulated system which successfully blends the present with the past and the classic with the modern. The system's unique aesthetics perfectly meets the contemporary architectural trends for industrial design. The combination of aesthetics with top performance makes the system the ideal choice for an industrial look in new buildings or for upgrading existing steel framed windows.

- / Frame and sash width 105 mm.
- / Available in 2 versions: Standard & High.
- / Designed for euro groove mechanism.
- / 3 levels of watertightness with the use of EPDM gaskets.
- / Internal, in glass, partitions can be achieved with the use of special profiles.
- / Improved aesthetics by using concealed hinges.

Visible aluminium face width	85 mm
Frame height	40 mm
Frame width	105 mm
Sash height	65 mm
Sash width	105 mm
Max. sash weight	Up to 180 Kg
Glazing	10 up to 44 mm
Thermal insulation	30 mm polyamides, insulation foam & Energy Bar

Performance

Thermal insulation EN 10077-2 U_f from 1,8 up to 2,8 W/m²K

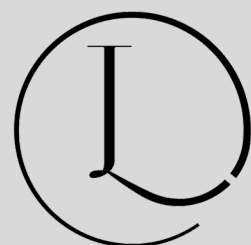
$U_w=1,67$ W/m²K, High version

$U_w=1,84$ W/m²K, Standard version

(frame size of

1,5 x 2,2m; $U_g=1,0$ W/m²K; $\psi=0,11$ W/mK)





M35

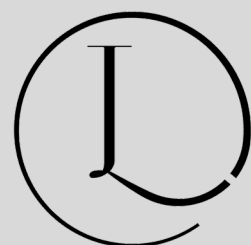
The M35 is a curtain wall system that ideally combines aesthetics with high performance.

- / Its minimal design offers, compared to other typical curtain wall systems, a reduced sightline of 35 mm, which renders the M35 ideal for Transparent Architecture.
- / Basic system width 35 mm.
- / High thermal insulation due to the use of special insulating materials.
- / Ideal for constructions that require a seamless appearance, such as shopfronts.
- / Low fabrication cost thanks to accessories and ease of fabrication.
- / Effective water evacuation system.
- / Implementation of various types of hinged windows: projected, parallel projected, Tilt & Turn and concealed sash.
- / Implementation of entrance door systems.

TECHNICAL CHARACTERISTICS

VISIBLE	35MM
MULLION DEPTH	20-200MM
TRANSOM WIDTH	16,5-200MM
GLAZING TYPE	STICK WITH EPDM GASKETS
MULLION MOMENTS OF INERTIA	I _x =540CM ⁴ , I _y =20CM ⁴
TRANSOM MOMENTS OF INERTIA	I _x =451CM ⁴ , I _y =24CM ⁴





M7

The M7 is a complete system for high energy efficiency curtain walls, that offers quality constructions in affordable prices and fully meets all stability and safety requirements.

- / 50 mm width of mullions and transoms.
- / High thermal insulation thanks to the special insulating material.
- / Option for structural curtain wall constructions without aluminium covers, using the same mullions and transoms.
- / Construction of heavy units up to 700 kg.
- / Low fabrication cost due to accessories and ease of fabrication.
- / Effective water evacuation system.
- / Special support for shading blades.
- / Various hinged window types can be applied: parallel projected, top hung, inwards Tilt & Turn, concealed sash Tilt & Turn, seamless inwards Tilt & Turn and all Tilt & Turn systems.
- / Constructions with inclined or polygonal surfaces.
- / Can be combined with all types of thermally insulated doors of the series.
- / Wide range of certifications in Standard and Structural typologies as well as in projected and concealed sash typologies.

Exterior aesthetics

With horizontal and vertical cover (standard).
With horizontal cover (linear horizontal).
With vertical cover (linear vertical).
Structural (glass only).

Typologies

Tilt & Turn vent window / Tilt & Turn vent conceal window.
Parallel and projected outward window. Hinged opening outward door. Hinged opening inward door. Projected outward window.
Parallel projected outward window

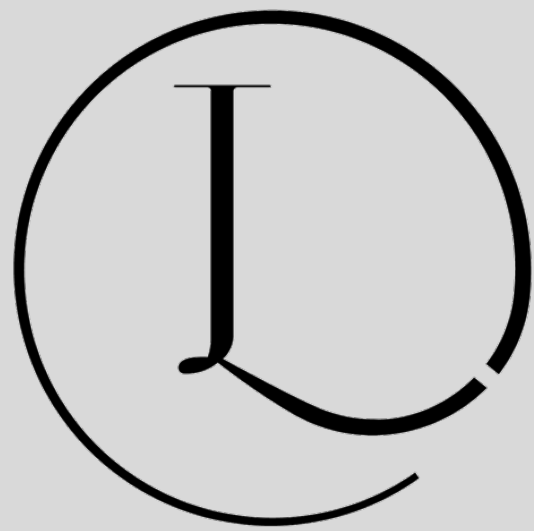
Performance

Thermal insulation EN 12412-2
 $U_f=1,0-2,3 \text{ W/m}^2\text{K}$

Technical characteristics

Exterior visible width	50 mm
Mullion depth	28 - 267 mm
Transom depth	16,5 - 266 mm
Glazing	Stick type with EPDM gaskets
Glass thickness	4 up to 54 mm
Mullions max inertia	$I_x=2788 \text{ } I_y=131,20 \text{ cm}^4$
Transoms max inertia	$I_x=973 \text{ } I_y=60,3 \text{ cm}^4$





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