

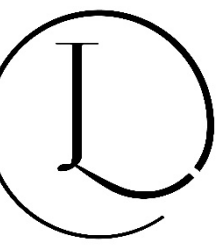


LUMINAIRE

EUROPEAN WINDOWS & DOORS

Signature Line
Aluminum
Systems



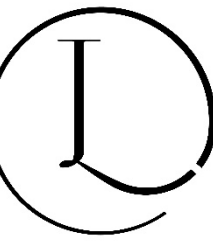


SIGNATURE STATEMENT.

THE SIGNATURE IS PROUDLY INSCRIBED ON THIS LINE, THAT PROPOSES A DIFFERENT WAY TO EXPERIENCE SPACE. IT CREATES FEELINGS WITH THE USE OF DESIGN AND ATMOSPHERE WITH TECHNOLOGIES. THE SPECS ARE AMONG THE FINEST IN ITS CATEGORY. RELIABILITY AND VERSATILITY ARE AMONG ITS KEY FEATURES.

THE MINIMAL LINES AND TOP NOTCH TECHNOLOGIES ARE COMBINED TO ILLUSTRATE A POINT WE CONSIDER ESSENTIAL. A QUALITY PRODUCT GENERATES QUALITY WORK AND, ULTIMATELY, SUPERIOR EXPERIENCES. THIS COLLECTION CAN HELP ARCHITECTS MATERIALIZE MANY POSSIBILITIES AND IT IS ARCHITECTS' CREATIVITY THAT CAN EXPAND THE COLLECTION'S POTENTIAL FURTHER.

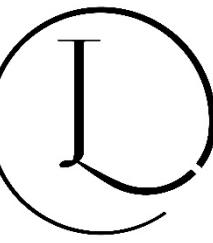
CREATE THE TOTAL EXPERIENCE OF SPACE.
CREATE NEW POSSIBILITIES.



FREEDOM

This solution can produce aesthetic effects of iconic level.

The slim lines, the variety of finishes and the meticulous detailing can be tailored to accommodate all your concepts and plans.



VIEW

Open a whole new world of possibilities.

The system that allows for streamlined minimal looks and unique architectural creations.



INSPIRATION

Picture this.

A space filled with light, that offers a fabulous view to skies in urban or rural environments.

And in that space the exquisite props that complete the scene.

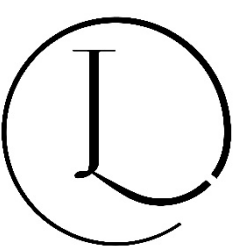
This picture will find an impeccable frame in the W67.



DESIGN

Superiority is a result of a fortunate conjugation between a unique idea and the flawless implementation.

Whether you produce a plan for a small-scale private project or an imposing public construction you can rest assured that this solution is what you need to masterfully materialize it.



W67 SYSTEMS

The W67 is a different way to experience space. It puts mind over matter. It uses design to create feelings and technologies to create atmosphere. The specs are always important, but it is the signature that ensures you'll get the best of everything.

Limiting the contour to what is absolutely necessary. Assuring that the W67 harbors every technology required to create ideal atmosphere and ensure energy efficiency and security. This is how we design.

HARMONY BECOMES TACTILE.
GET THE BEST OF EVERYTHING.



W67BS

This solution promises minimal look and elegance. It delivers beauty and comfort. W67BS is the harmony in visible form.

W67BS ML | for Multilock groove mechanism
W67BS CE | for European groove mechanism

Blind Sash Typologies
Windows, Balcony
Doors, Window
Walls

W67

Add an obvious asset to any project with W67. It is the go-to solution when flexibility and dependability are of utmost importance.

W67 ML | for Multilock groove mechanism
W67 CE | for European groove mechanism

Classic Linear Typologies
Windows, Balcony
Doors, Window
Walls



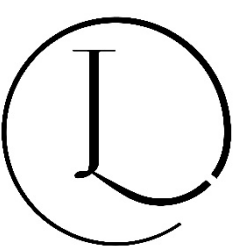
W67BS

When creativity is an integral part of your day job, devising new opportunities and way of seeing things is part of the process and a great reward.

Broadening this sense of possibility is what we do with this solution.

We combined minimal looks with optimal technologies to produce unparalleled quality.



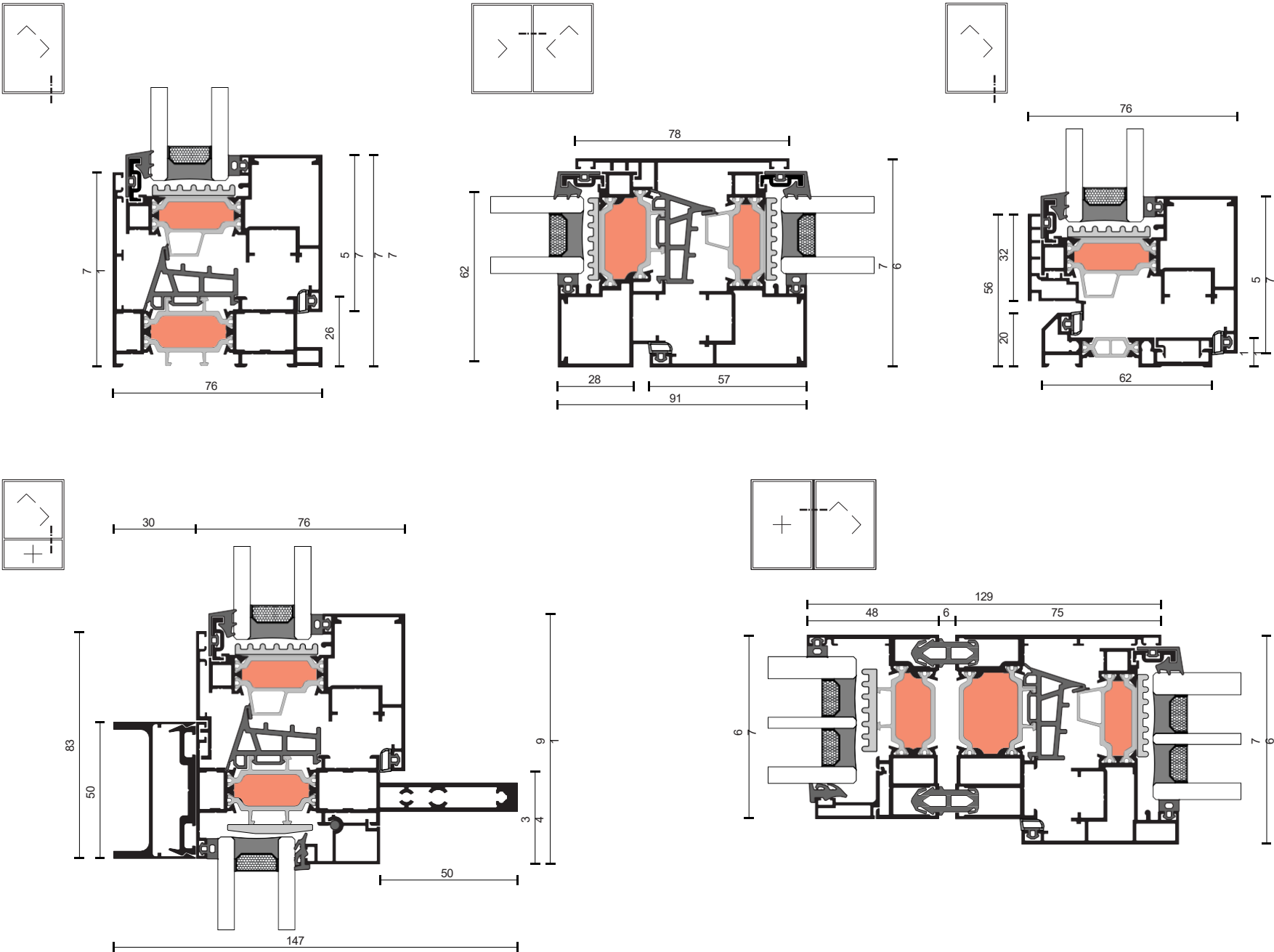


DESIGN

TYPOLOGIES

W67 BS

The linear design, the variety of solutions and the meticulous performance of the details are tailored to accommodate all your ideas and designs.



INWARD OPENING CONSTRUCTION

OUTWARD OPENING CONSTRUCTIONS

	Single sash fixed
	Single sash fixed with skylight
	Single sash opening
	Single sash tilt & turn
	Double sash fixed
	Double sash opening
	Double sash tilt & turn
	Single sash tilt & turn with fixed part
	Single sash tilt & turn with fixed parts using contractions and expansions
	Special typology window wall

TECHNOLOGY

THERMAL INSULATION

SEALING SYSTEM

INNOVATION

EXTRA
FEATURES

HANDLES FOR
UNIQUE STYLE

COLORS

ENERGY LEVELS

IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

- 1
- Insulating Bars **32mm** with Glass Fiber reinforcement **25%**

- 2
- I2** _ Innovative Insulation Technology

- 3
- Co-Extruded** Gasket

- 4
- Foam **Insulating** Profile

- 1
- Optimal 3-level Waterproofing with specially designed **EPDM** and Co-extruded Gaskets

- 2
- EPDM** Gasket Corners

- 3
- EPDM End Caps for **Adjoining Profile**

- 1
- Static sufficiency, timelessness, and flawless operation achieved through the **Joint Corner** use on the outer side of the sash

- 2
- Unified design of **Outer Sealing Gasket** in all BS Systems



Level **1**
*Uf: **≥22** W/m K

*Energy performances concern the specific sash-frame combination



Level **2**
*Uf: **≥19** W/m K



Level **3**
*Uf: **≥18** W/m K











Black



Inox Satine

Natural Anodized

Frame Depth		67	mm
Min Face Height Frame - Sash		66	mm
Min Face Height Threshold - Sash		56	mm
Min Face Height Middle Mullion		78	mm
Max Sash Height		2.500	mm
Max Sash Width		1.400	mm
Max Sash Weight		130	kg
Max Glass Thickness		46 or 41 or 28	mm

W67BS HI offers you endless solutions in both European groove mechanism **[CE]** and Multilock groove mechanism **[ML]**

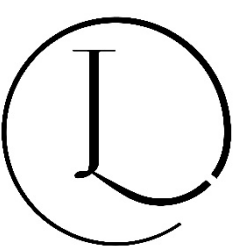
Thermal Insulation Uf	EN ISO 10077-2	≥12 W/m K
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E1050 [1.050Pa]
Resistance to Wind Load	EN 12210	C5 / B5 [2.000Pa]
Sound Reduction	EN 10140-2	38dB

W67

This solution combines elegant style and optimal technologies to open new possibilities for you and your clients.

It is tailored to ensure superior implementation according to your project specs.

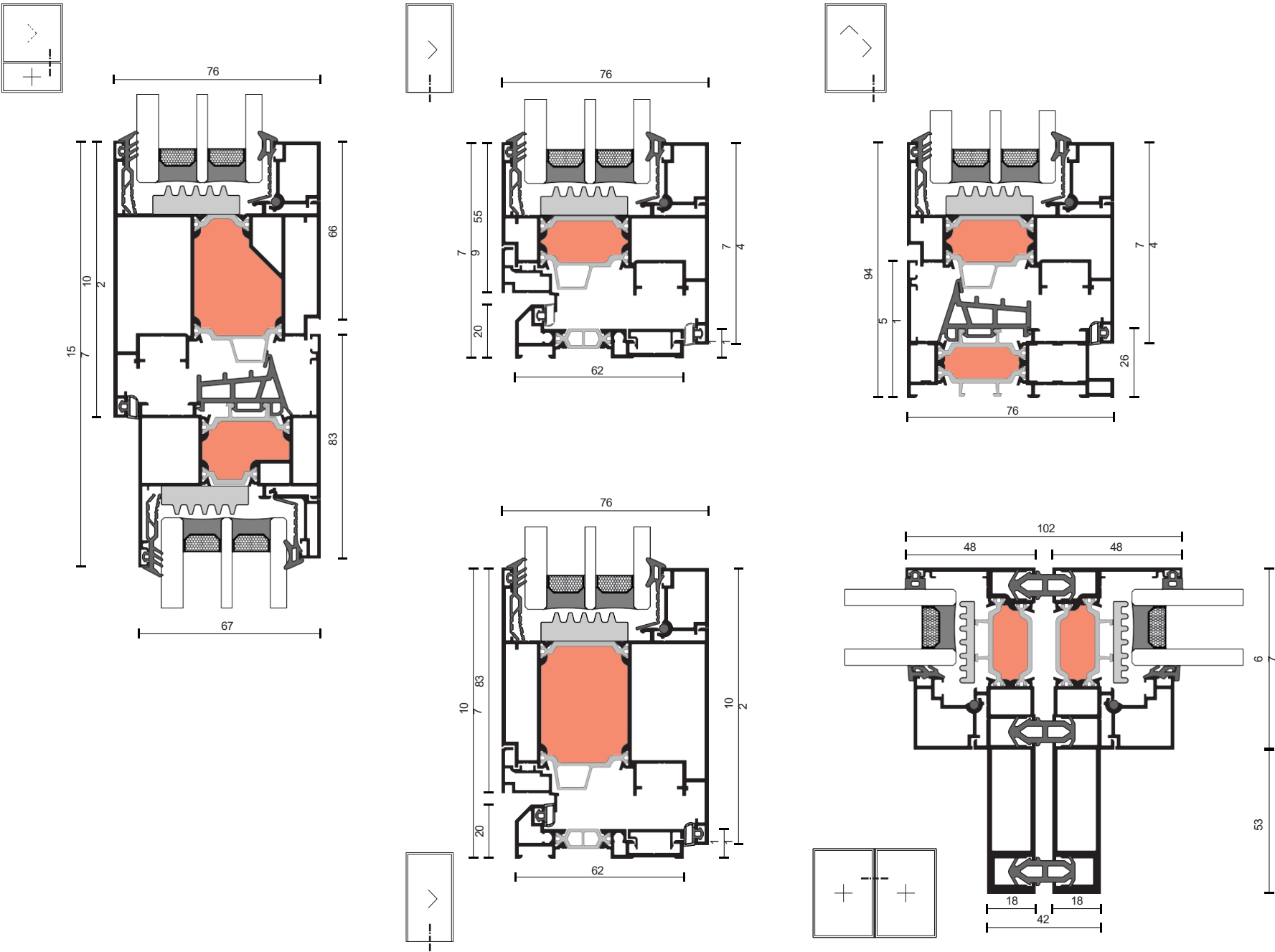




DESIGN

W67

This solution can be adapted to fit your capabilities and aesthetic demands and add an obvious asset to any project.



INWARD OPENING CONSTRUCTIONS

OUTWARD OPENING CONSTRUCTIONS

TYPOLOGIES

	Single sash fixed		Double sash fixed
	Single sash fixed with skylight		Double sash opening
	Single sash opening		Double sash tilt & turn
	Single sash tilt & turn		Single sash tilt & turn with fixed parts using contractions and expansions
	Single sash tilt & turn with fixed part		
	Single sash opening window door		
	Double sash opening window door		
	Single sash opening window door with fixed		
	Single sash projected		
	Special typology window wall		

TECHNOLOGY

THERMAL INSULATION

- 1

Insulating bars **32mm** with glass fiber re-enforcement **25%**
- 2

I2_ Innovative insulation technology
- 3

Co-extruded gasket
- 4

Foam **insulating** profile

SEALING SYSTEM

- 1

Optimal 3-level waterproofing with specially designed **EPDM** and co-extruded gaskets
- 2

EPDM gasket corners
- 3

EPDM end caps for **adjoining profile**

INNOVATION

- 1

Ghost glazing gaskets minimizes the visible facet and renders the gaskets practically invisible

EXTRA FEATURES

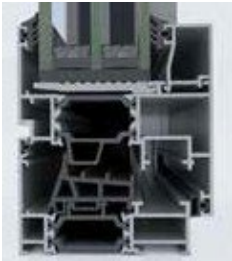
HANDLES FOR UNIQUE STYLE



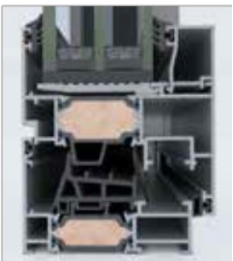
COLORS



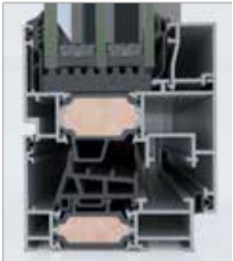
ENERGY LEVELS



Level **1**
Uf: **≥1.8** W/m K



Level **2**
Uf: **≥1.2** W/m K



Level **3**
Uf: **≥1.1** W/m K

IDENTITY









DESIGN

PROPERTIES

PERFORMANCE

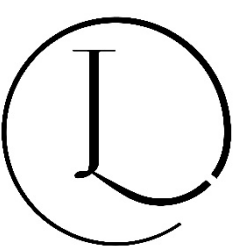
ENERGY

COMFORT

Frame Depth		67	mm
Min Face Height Frame - Sash		89	mm
Min Face Height Threshold - Sash		79	mm
Min Face Height Middle Mullion		154	mm
Max Sash Height		2.800	mm
Max Sash Width		1.400	mm
Max Sash Weight		180	kg
Max Glass Thickness		60	mm

W67 offers you endless solutions in both European groove mechanism **[CE]** and Multilock groove mechanism **[ML]**

Thermal Insulation Uf	EN ISO 10077-2	≥1.1 W/m2K
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E1350 [1.350Pa]
Resistance to Wind Load	EN 12210	C5 / B5 [2.000Pa]
Sound Reduction	EN 10140-2	44 dB
Operating Forces	EN 13115	Class 1
Mechanical Properties	EN 13115	Class 2
AAMA Rating		Class AW*
PG Rating		100* 55**



W67ST

The W67ST completes a collection created to provide a reliable and versatile solution to building and renovating. This edition bears an extra feature, the astragal bars. It expands the aesthetic possibilities while it

performs beautifully on durability, soundproofing, security and weather tightness. Do you want to add industrial edge to an airy minimal space? Do you want to upend austere industrial lines with a retro touch?

YOUR GO TO SOLUTION.



W67ST

Letting the light in is always a priority. The slim frame and the expertly fitted astragal bars allow maximum influx. Then the notion of light shifts from a visual trait to a feeling. Illumination turns into brilliance. Brilliance is self-evident whatever the architectural style you chose might be - minimal, industrial or retro.

W67ST ML | for Multilock groove mechanism
W67ST CE | for European groove mechanism

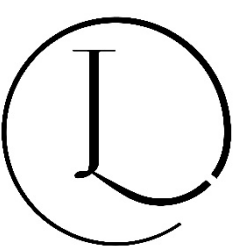
Classic Linear typologies
Windows,
Balcony doors,
Window Walls

W67ST

The astragal bars on this profile are an additional design element that offers versatility and depth to your aesthetic approach.

The features and technologies will offer comfort and satisfaction to the users of your project.

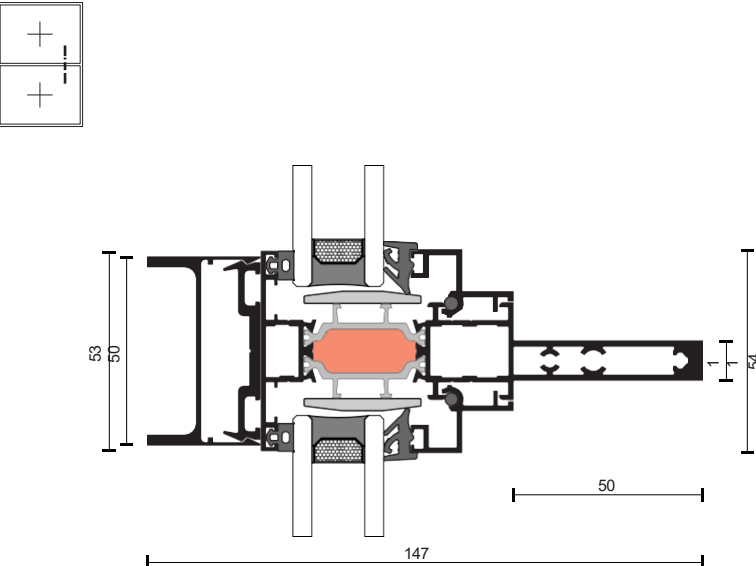
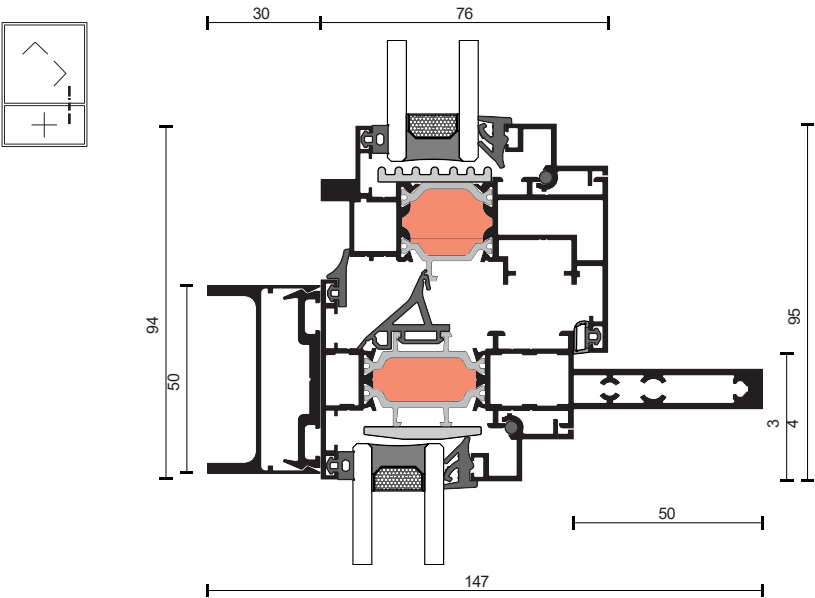
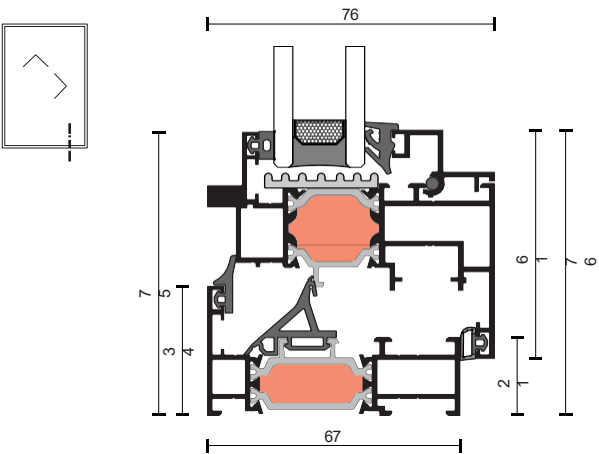




DESIGN

W67ST

This solution combines great technologies and our unparalleled sense of design to help you create an aesthetically pleasing and pleasant space for all its users.



INWARD OPENING CONSTRUCTIONS

OUTWARD OPENING CONSTRUCTIONS

TYOLOGIES

	Single sash fixed		Double sash fixed
	Single sash fixed with skylight		Double sash opening
	Single sash opening		Double sash titl & turn
	Single sash tilt & turn		
	Single sash titl & turn with fixed part		
	Single sash opening window door		
	Double sash opening window door		
	Single sash opening window door with fixed		
	Single sash projected		
	Special typology window wall		

TECHNOLOGY

THERMAL INSULATION

SEALING SYSTEM

INNOVATION

EXTRA
FEATURES

HANDLES FOR
UNIQUE STYLE

COLORS

ENERGY LEVELS

IDENTITY









DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

Frame Depth		67	mm
Min Face Height Frame - Sash		75	mm
Min Face Height Threshold - Sash		-	
Min Face Height Middle Mullion		113	mm
Max Sash Height		2.400	mm
Max Sash Width		1.200	mm
Max Sash Weight		150	kg
Max Glass Thickness		46	mm

ESSENCE W67ST HI offers you endless solutions in both European groove mechanism **[CE]** and Multilock groove mechanism **[ML]**

Thermal Insulation Uf	EN ISO 10077-2	≥1.4 W/m K
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E900 [900Pa]
Resistance to Wind Load	EN 12210	C5 / B5 [2.000Pa]

1 **32mm** Insulating Bars in frame and **24mm** in sash Glass Fiber re-enforcement **25%**

2 **ELVAL I** _ Innovative Insulation Technology

3 **Co-Extruded** Gasket

4 Foam **Insulating** Profile

1 Optimal 3-level Waterproofing with specially designed **EPDM** and Co-extruded Gaskets

2 **EPDM** Gasket Corners

3 **EPDM** End Caps for **Adjoining Profile**

1 **Ghost Glazing Gaskets** Minimizes the visible facet and renders the gaskets practically invisible



Level **1**
*Uf: **≥2.26** W/m2K

*Energy performances concern the specific sash-frame combination



Level **2**
*Uf: **≥1.88** W/m2K



Level **3**
*Uf: **≥1.77** W/m2K



Black



Inox Satine



Natural Anodized



Attention to Detail

An ingenious take on elegance.

The precise lines, slim contours and attenuated particulars that make the **SIGNATURE** collection aesthetically exceptional are present in this solution.

Put your creativity to work to see what it can do for you.



W67 BS ML

MAXIMUM VIEW

The conjunction of sashes never looked sleeker. The integrated adjoining profile minimizes the central vertical profile view to just 78mm and the perimetrical contour to 66mm only. Boundaries are being eliminated.



W67 ML
W67BS ML

UNOBSTRUCTED TRANSIT

Open passage thanks to just 20mm height frame. Ideal for PWD and children.



FIRM & MINIMAL

Specially designed T - profiles with inner reinforcement upping of just 10mm, ideal for sturdy constructions with wide openings, consistent with modern architectural trends.



INDUSTRIAL DESIGN WINDOW WALLS

This exclusively developed and uniquely designed collection of profiles allows you to create window walls with an exemplary industrial look and feel.



SAME LEVEL APPEARANCE INWARDS

Ultimate same level appearance on the inner side of the window, thanks to the application of a specially designed frame. Ideally featured to the application of a hidden tilt and turn mechanism.



Extra Features

Form follows function,
they said.

We glorified form by
concealing the
functional
components.

Hinges to open or tilt that
go undetected.





Extra Features

Handles so sophisticated that render grace to industrial design.

AVAILABLE IN ML EDITIONS



COLORS



Black



Inox
Satine



Natural
Anodizing

AVAILABLE IN CE EDITIONS



COLORS



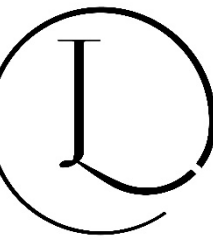
Black



White



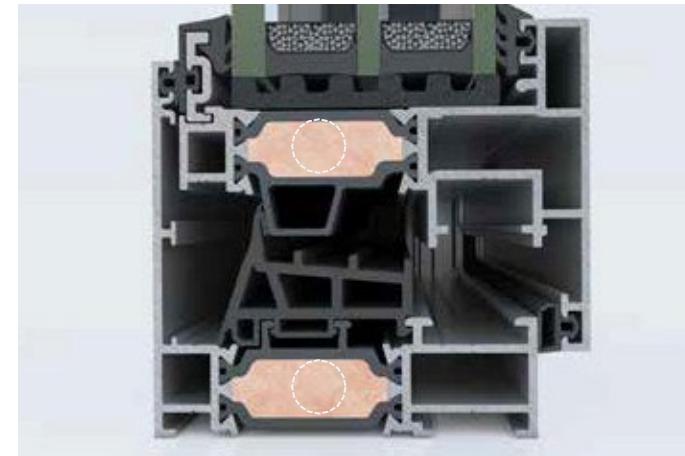
Grey



The TECHNOLOGY

You can feel it on a cold night.
You'll appreciate it on a hot day.
You'll love this when you run your budget.

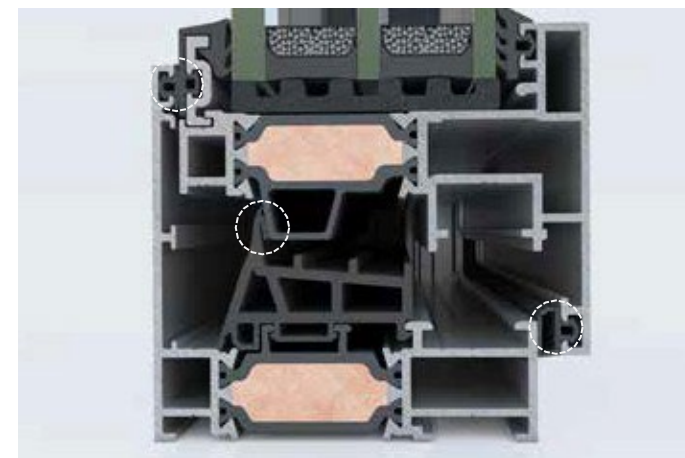
OPTIMAL THERMAL INSULATION



I2 _ INNOVATIVE INSULATION TECHNOLOGY

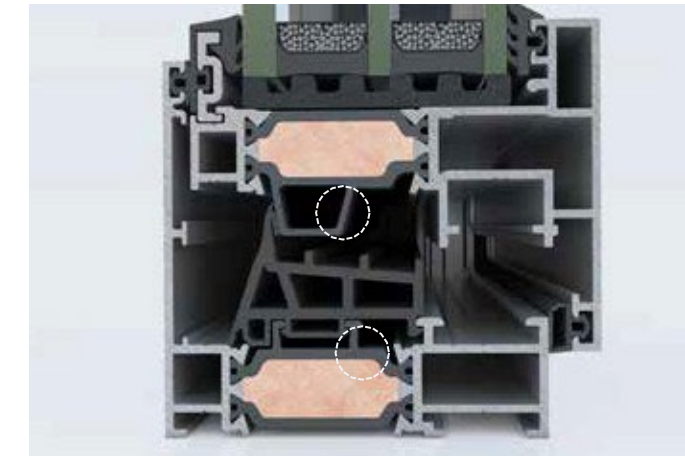
The Innovation I2 Technology is applied to all system profiles. This way, an extra insulation zone is created in the middle chamber of the profile, boosting the system's energy performance by up to 38%.

ADVANCED SEALING SYSTEM



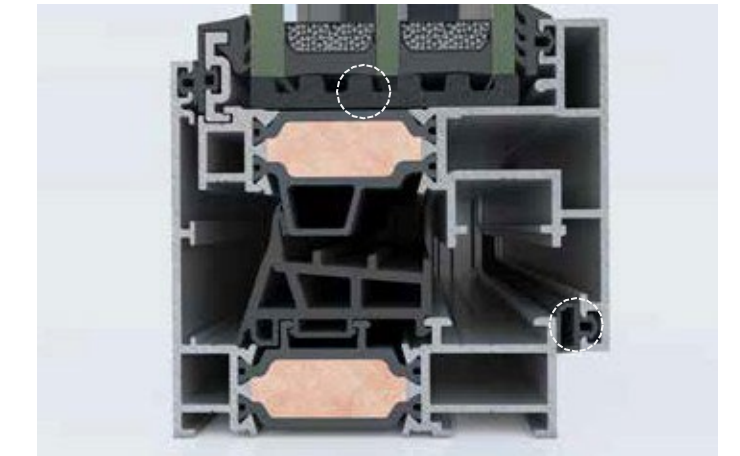
OPTIMAL 3-LEVEL SEALING

Optimal 3-level waterproofing with specially designed EPDM and co-extruded gaskets.



WIDE INSULATING BARS 32mm

Wide insulating bars of 32mm with glass fiber reinforcement 25%, are applied to all system profiles, offering high thermal insulation levels and extra rigidity.



CO-EXTRUDED GASKET & FOAM INSULATING PROFILE

Co-extruded gasket is used in the perimetrical area of the window, improving energy performance. Whilst foam insulating profile is fitted below the glazing zone, minimizing thermal energy loss.



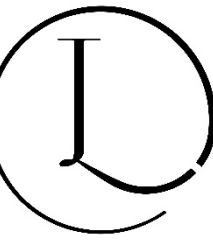
EPDM CORNERS

Special vulcanized EPDM corners ensuring maximum sealing at edge corners of the window, even at extreme weather conditions.



EPDM ADJOINING PROFILE END CUP

The EPDM adjoining profile end cap ensures excellent waterproof performance, even on double sash typologies.



The TECHNOLOGY

It's details like this that fulfil the highest requirements in terms of endurance.

Feel a high level of durability the benefits of which you will enjoy overtime.

DURABILITY FOR A LIFETIME



SUPPORT FOR GLAZING LOAD TRANSFER

This kind of support transfers the weight of the glass to the inner side of the window sash where all the functional elements of the mechanism are positioned. This way excellent functionality and smooth operation of the window are ensured for a lifetime, regardless of the weight of the glass.

LOOKING FOR THE BIG PICTURE

We are committed to an ambitious policy aimed at limiting the direct and indirect impacts of our activities on the environment, throughout the life cycle of our products.

We always set more ambitious targets for reducing environmental pollution and aims to help its customers reduce emissions through greener aluminum products.

GOALS WE ACHIEVE:

- // We have the right suppliers - suppliers dedicated to responsible practices and innovative ways to reduce carbon footprint.
- // We're committed to the highest standards in aluminium recycling, and always looking for new opportunities through investment, technology and innovation.
- // We drive to minimize waste in every possible way. From the materials we purchase to the aluminium we use; the goal is always zero waste.
- // We implement a certified environmental management system (ISO 14001).

SL68/SL52

SLIDING SYSTEMS

The highest level of performance is incorporated in the minimal frame.

The result embodies the essence of design; conscripting creative capacities to produce an object that responds to very practical requirements.

- // Stellar appearance with 35mm perimetrical frame and middle mullion
- // A discreet and classy design with reinforcement columns of 10mm visible width
- // Customized multi-point locking system for superior level of security
- // Intelligent water drainage system



SL52

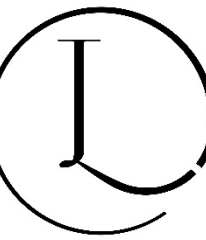
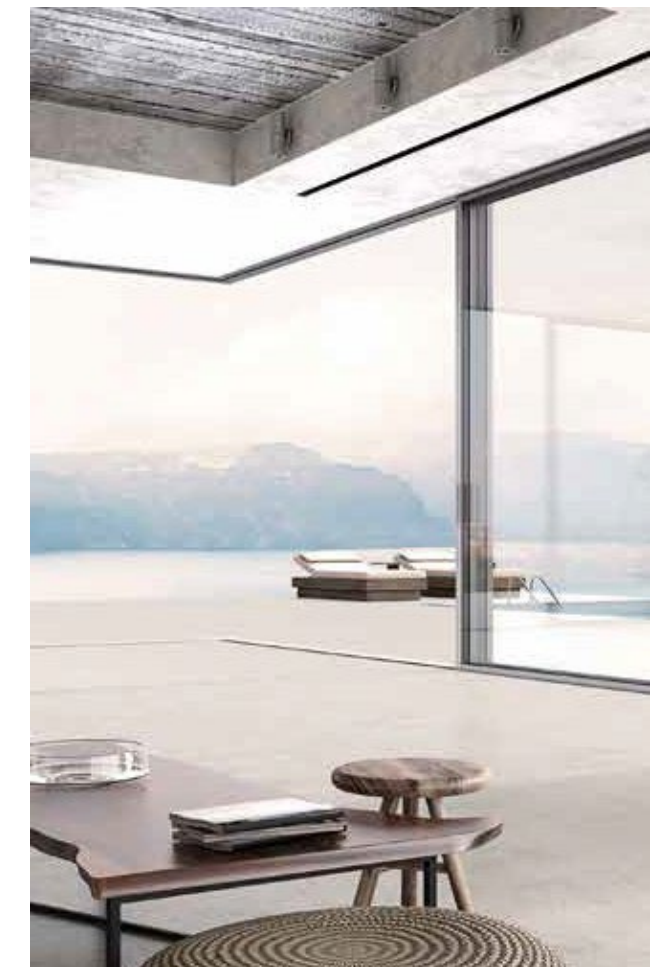
The system SL52 with a glazing of 32mm was designed for buildings accommodated in friendlier weather and moderate climate. It's durability and performance are once more superior.

Construction typologies:
Successive,
Meeting style,
Inwall

SL68

The system SL68 with a glazing of 48mm is fitted with all our high-end technologies and offers clearly perceptible results with unseen appliances.

Construction typologies:
Angular,
Successive,
Meeting style,
Inwall



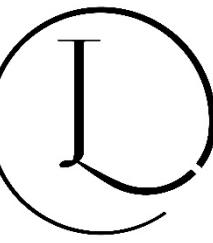
SL68

Overcoming the challenges our natural and cultural environment presents us is our number 1 priority. This system is especially crafted to withstand.

With a glazing of 48mm it meets the highest standards of energy efficiency and sound insulation.

It is the answer to arduous weather conditions and metropolitan noise.

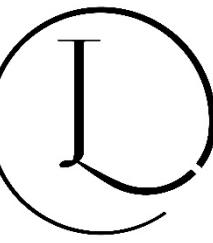




FREEDOM

Creating a solution that outlasts time, weather and natural elements takes a lot of work, attention to the most minuscule of details and persistence. That's an investment we take up gladly.

The results justify our choice.



POINT OF VIEW

It's not about objects and things.

It's about the way you see quality and perceive concepts.

Let your sight roam freely.



SL52

Simple geometric shapes and the blending of interiors with exteriors are the mandates of modern architecture.

Large glass surfaces are the champions of contemporary minimal looks.

Well crafted SL52 profiles are the champions of large glass surfaces.





DESIGN

The result is a solution that presents both tangible and intangible benefits. The performance is tangible. The elegance is intangible.

Your design is what will materialize the elegance into ambiance.



Attention to Detail.

Pure lines, a discreet but powerful outline around the window of only 35mm and an Avant-Garde Technology, are all combined in the MINIMAL Look system.

Free your imagination and transform a typical sliding system into a unique experience.



MAXIMUM VIEW

Your vision is powerful. You want nothing to hinder it. There's a fine line between what you see when you look inside and when you turn your eyes outside. That fine line is our Minimal Look solution, fitted with all our high-end technologies. That fine line is more than enough. It produces perfect, lustrous glass screens and minimally framed 360° views.



INVISIBLE INSIDE-OUT

The ultimate rendition of elegance is invisibility... staying in somebody's memory without catching their eye. This motto inspired the SL52. Our relentless attention to detail turned the inspiration into reality. The bottom frame is practically hidden in the floor, creating a surface as smooth as the glass it hems at the exterior. At the same time the system blends harmoniously with the interior. This is invisibility.



SHADING JOINED BY AESTHETICS

The MINIMAL Look can be ideally combined with a movable shading system. This ensures maximum sun protection for your space and creates an extra layer of imaging both for the interior concept and the exterior or landscape to be designed. Functional perfection meets aesthetic excellence. You and we wouldn't have it any other way.



POWERFUL DESIGN

Powerful support meets stellar appearance with the perimetrical frame and middle mullion measuring merely 35mm. This perfectly symmetrical solution will be harmoniously coordinated with your design.



FIRM & MINIMAL

MINIMAL Look comes with reinforcement columns of just 10mm. This makes the middle mullion's section particularly discreet and classy. Its fine and streamlined appearance allows you create beautiful exteriors that do justice to any architectural style -pure or eclectic- you may choose for your construction.



Extra Features.

The compact aluminium handle is skillfully infixed on the aluminium profile. No piece or part protrudes.

Its even, sleek look outlines the interior view outside, creating a picture-perfect frame.

INNER HANDLE



OUTER HANDLE



COLORS



Black



Inox
Satine

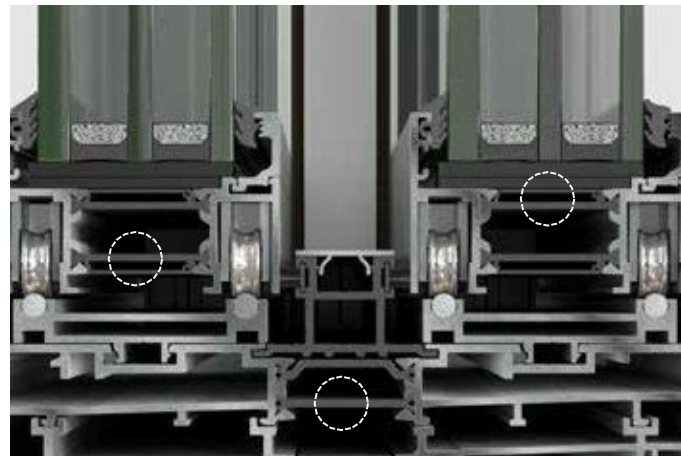


Natural
Anodized

The TECHNOLOGY

Your projects convey your decision-making mastery. We are investing our resources to become the decision that shows you leave nothing to chance; that all your choices add value to your work and the result that your customer enjoys.

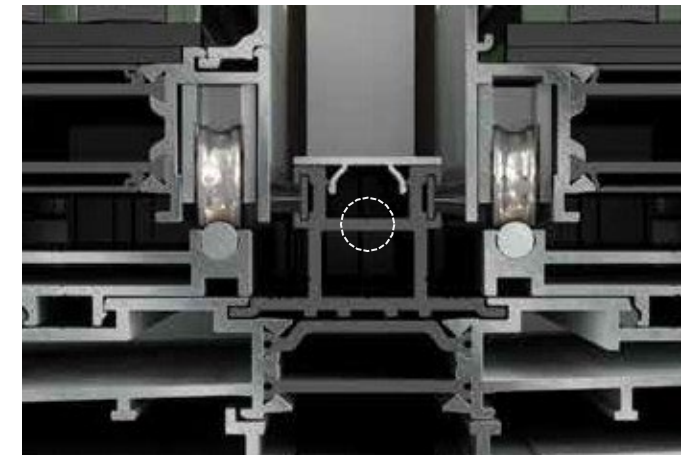
ADVANCED THERMAL INSULATION



34MM [SL68] or 18MM [SL52] ANTI-DISTORTION INSULATING BARS

A delicious fruit gave its name to an annoying but prevalent attrition of aluminium profiles in hot climates, in great heights or of dark colors.

The MINIMAL Look is fitted with with anti-distortion insulating bars of 34mm with 25% glass fiber reinforcement. The 'banana-effect' is minimized. The thermal insulation is maximized.



CUSTOMIZED INSULATING BARS

The central zone and the middle mullion are fitted with customized insulating bars. The system's energy performance is optimized. The constant requirement of projects in temperate and hot climates is met.

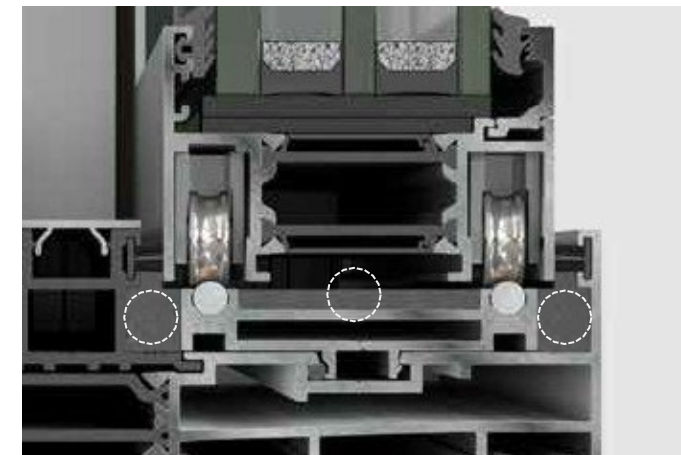
ADVANCED SEALING SYSTEM

MINIMAL Look solutions are designed and equipped to ofer sealing and protection of your space from challenging weather conditions. The assembly and quality of components are among the best of their category.



OPTIMIZED AIR AND WATER TIGHTNESS

We fit the MINIMAL Look with Q-lons and special Tri-fin brushes instead of the prevalent common brushes. The system's air and water tightness are optimized.



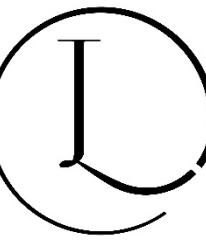
A COMPLETE SET OF SEALING SPECIMENS

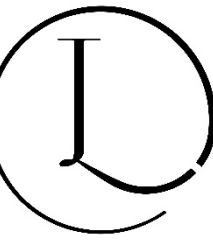
We added a complete set of innovative sealing specimens, made of cellular rubber to render the window air and watertight.



BUILT IN DRAINAGE SYSTEM

The drainage system of MINIMAL Look is built-in to the floor. It effectively keeps water away without an extra sub-system and it looks perfect.

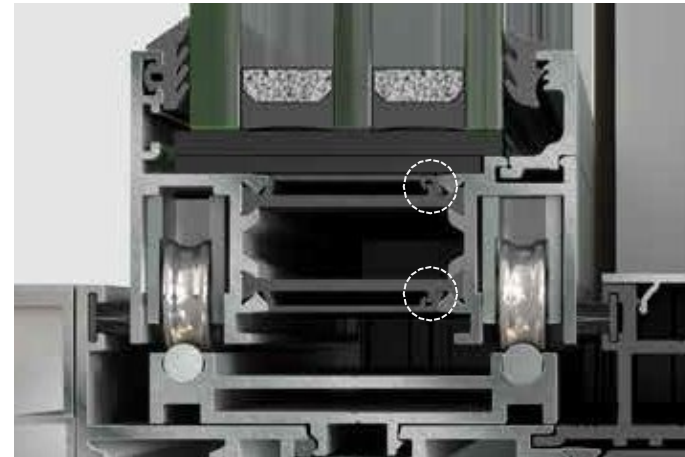




The TECHNOLOGY

Creating a solution that outlasts time, weather and natural elements takes a lot of work, attention to the most minuscule of details and persistence. That's an investment we take up gladly. The results justify our choice.

DURABILITY FOR A LIFETIME



ADVANCED DURABILITY

High ceilings let natural light create atmosphere and amplify the effect of expansive space. In climates where sunshine is abundant, the combination of sunshine and great construction height may cause distortions from the "banana effect" mainly in dark-colored aluminium profiles. We have taken special anti-distortion measures.

We apply 34mm [SL68] or 18mm [SL52] anti-distortion insulating bars with 25% glass fiber reinforcement to all system sashes. Your space is insulated, and your system is resistant... for life!



SMOOTHER ROLLING

Large openings that give clients great views and us one more challenge to overcome. Ensuring the anti-corrosion protection and the smooth operation of a system with great glass weight. Our solution was the appliance of four pairs of heavy-duty stainless-steel rollers to the system. The rollers are protected from corrosion. And the system rolls smoothly. For life!



MAXIMUM STRENGTH

Compact 316 stainless steel racks ensure maximum anti-corrosion protection and optimal weight distribution, even of very large glass loads. That's the thing with great style. We want to make sure it lasts forever.



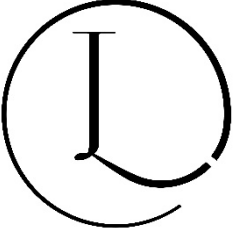
INCREASED ROBUSTNESS

Customized aluminium fixing accessories positioned along the height of the middle vertical mullion, offering extra rigidity of the construction even at large dimensions.



OUTSTANDING FIRMNESS

Customized entry guide accessory, ensuring alligned movement of the sash, even at large openings.



The
IDENTITY

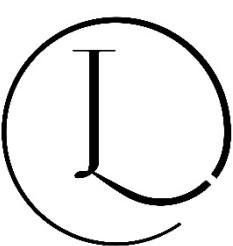
It's a feeling. It's precious. What should be kept outside -noise, water, wind- is kept outside. What's inside is safe and sound. This is where we set our boundaries and keep them intact.

		<u>SL68 AI2</u>	<u>SL52 HI2</u>
Sash Depth		68 mm	52 mm
Visible Height		77 mm <i>Infloor edition</i> 35.5 mm	77 mm <i>Infloor edition</i> 35.5 mm
Middle Mullion Width <i>Successive</i>		35 mm	35 mm
Meeting Stile Construction Width <i>Meeting Stile</i>		109 mm	109 mm
Middle Mullion Width <i>Fixed T</i>		-	35 mm
Max Sash Height		3.500 mm	3.500 mm
Max Sash Width		3.000 mm	3.000 mm
Max Sash Weight		400 kg	400 kg
Glass Thickness		48 mm	32 mm

The
PERFORMANCE

Create the maximum impact.
Enjoy less frame and more of everything else; warmth, comfort, light and scenery

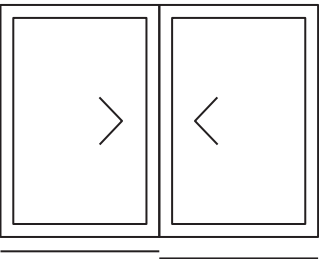
<u>CHARACTERISTIC</u>	<u>STANDARD</u>	<u>VALUE</u>
ENERGY		
Thermal Insulation Uf	EN ISO 10077-2	≥3.1
COMFORT		
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	7A [300Pa]
Resistance to Wind Load	EN 12210	C3 / B3 [1.200Pa]
Operating Force	EN 13115	Class 1



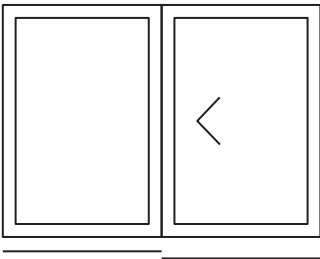
The
TYPOLOGIES

The SL68 and SL52 offer a plethora of construction solutions that will exceed your expectations and deliver projects with unparalleled character.

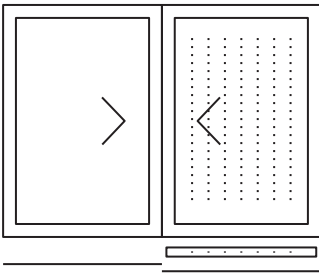
SLIDING SUCCESSIVE CONSTRUCTIONS



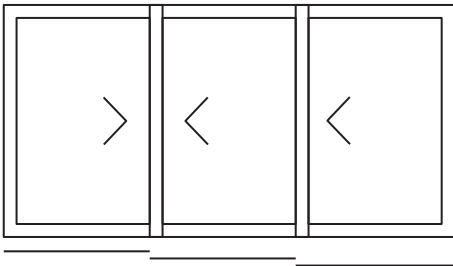
2-Sash



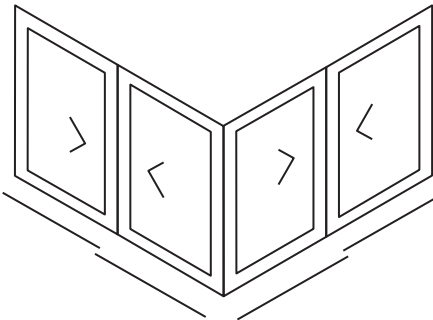
2-Sash with fixed part



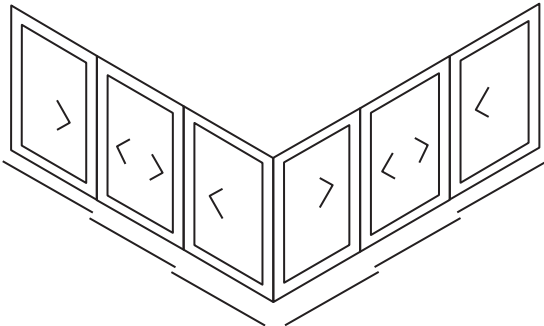
2-Sash with flyscreen
[SL52 edition]



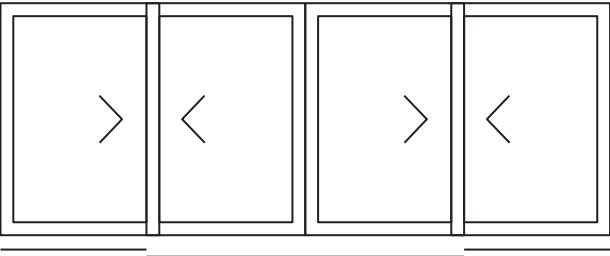
3-Sash



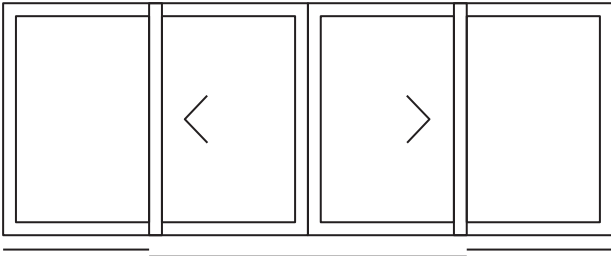
2-Sash angular - Inner angle
[SL68 edition]



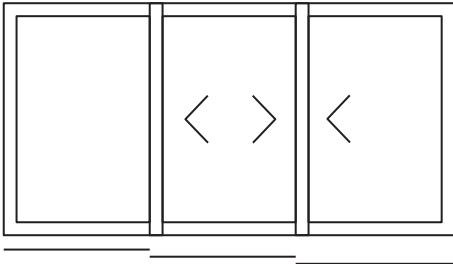
3-Sash angular - Inner angle
[SL68 edition]



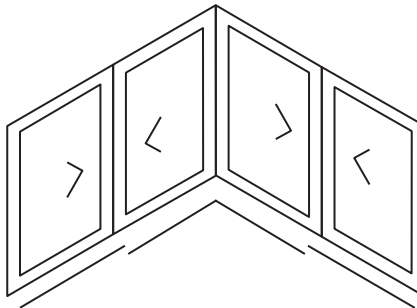
4-Sash meeting stile



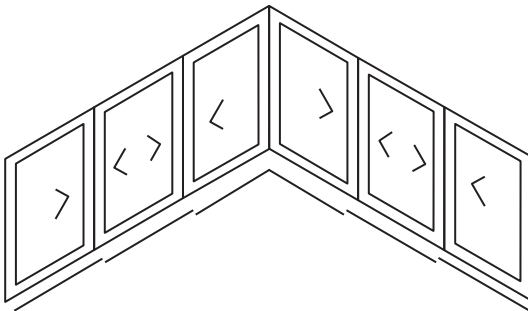
4-Sash meeting stile with fixed parts



3-Sash with fixed part



2-Sash angular - Outer angle
[SL68 edition]



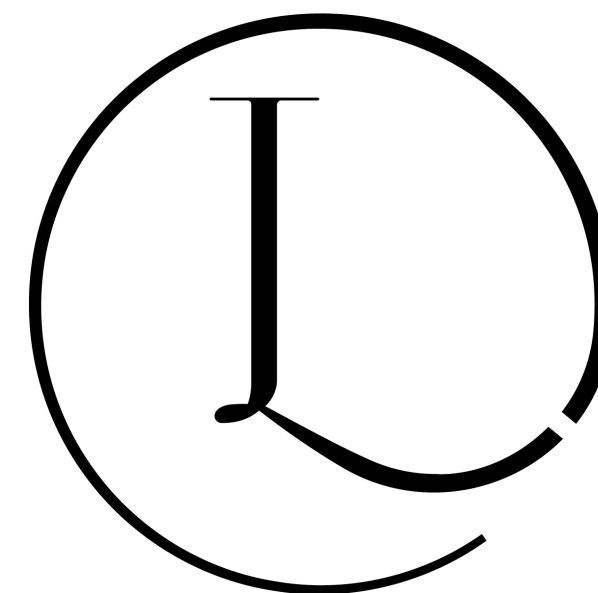
3-Sash angular - Outer angle
[SL68 edition]

SL60 FLAT EDITION



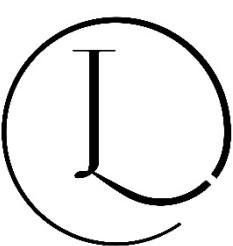
SLIDING SYSTEM

Limits are ever-expanding and you need an aluminium solution that will allow you to create the limit. This is the SL60 FLAT EDITION.



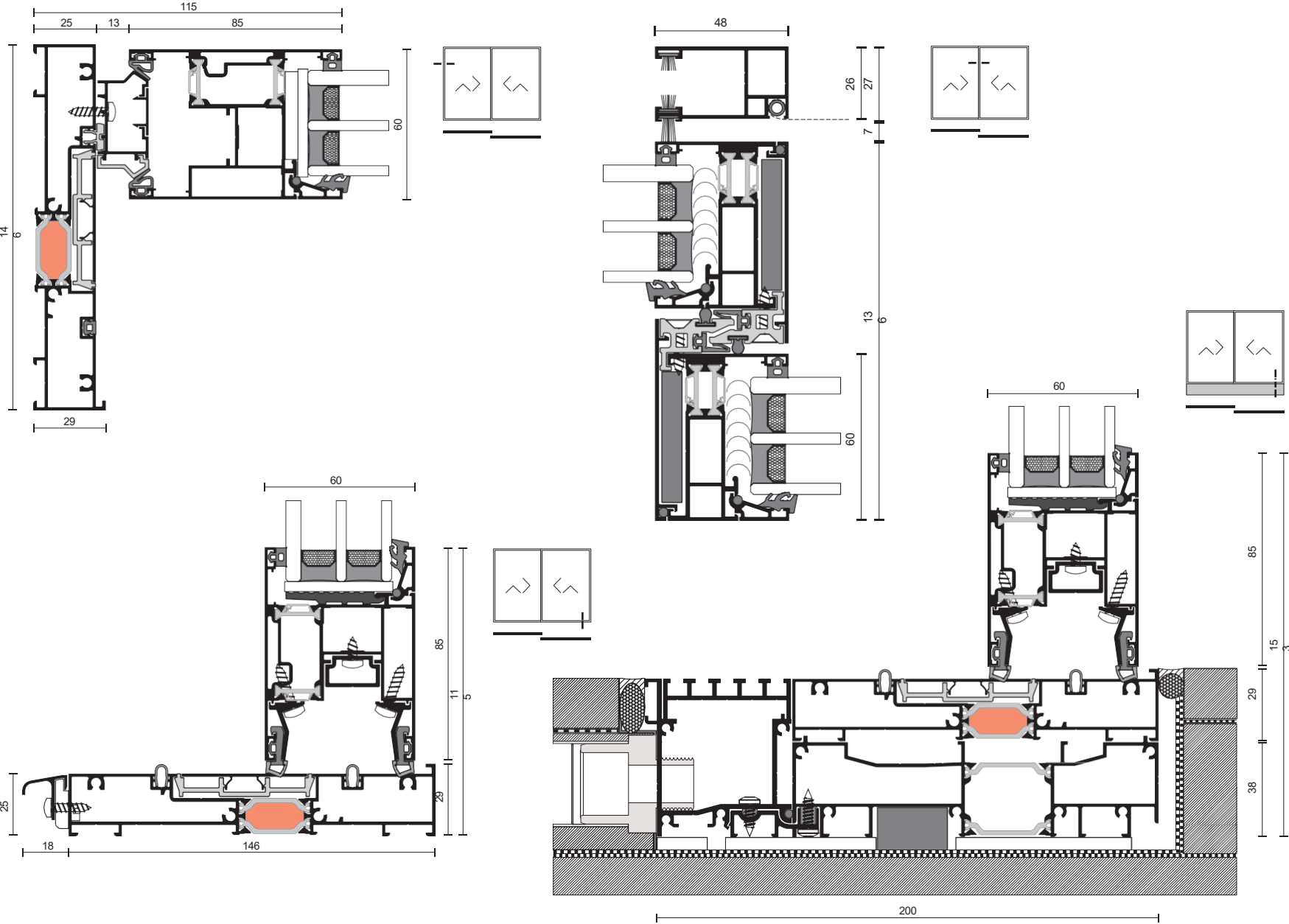
LUMENAIRE

EUROPEAN WINDOWS & DOORS



SL60 FLAT EDITION

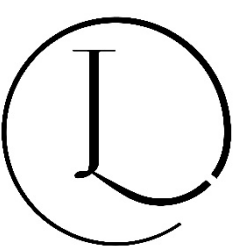
Freely create large openings thanks to the meticulously designed reinforcements that ofer high static stability.



LIFT & SLIDE SUCCESSIVE CONSTRUCTIONS

TYPOLOGIES

	2-Sash		2-Sash angular - Inner angle
	2-Sash with fixed part		2-Sash angular - Outer angle
	2-Sash with flyscreen		3-Sash angular - Inner angle
	2-Sash with fixed part and flyscreen		3-Sash angular - Outer angle
	4-Sash meeting stile		
	4-Sash meeting stile with fixed parts		
	3-Sash		
	3-Sash with fixed part		
	4-Sash meeting stile with fixed parts and flyscreen		
	4-Sash meeting stile with flyscreen		
	6-Sash meeting stile with fixed parts		



TECHNOLOGY

THERMAL INSULATION

ADVANCED
SEALING
SYSTEM

EXTRA
FEATURES

FUNCTIONALITY

- 1

Enhanced customized insulation bars are set both in the central zone and the middle mullion
- 2

Complete filling of the middle chamber on all system's tracks using the innovative insulation technology of **ELVAL I2**
- 3

A foam insulating profile (LDPE) is fitted at the perimeter of the glazing zone
- 4

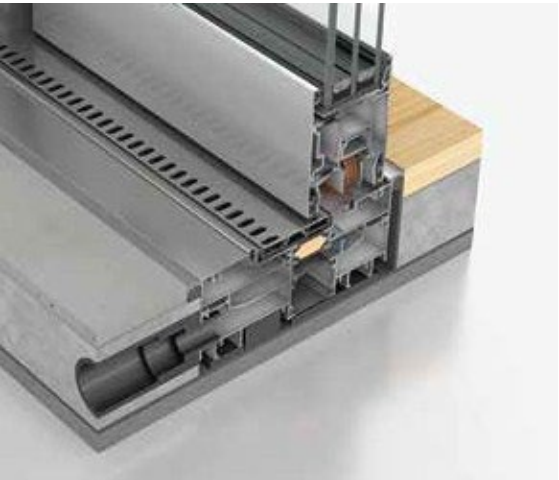
Co-extruded gasket on the bottom part of sashes, sealing the track and the adjoining profile for angular constructions
- 1

Q-LON in the successive area insulating bars, even in the narrow mullion width edition
- 2

Specially designed **gaskets** that apply efectively in 2 points in the successive area
- 3

Sealing with **EPDM gaskets** and **vulcanized gasket comers**, guaranteeing a high level perimetrical waterproofing of the sash with the track
- 4

Elastometric **central sealants** of excellent design, which fit perfectly on the surface of the aluminium, giving a high sealing performance



COLORS

- Black Anodizing
- Inox Satine
- Natural Anodizing

IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

Sash Depth			60	mm
Visible Height		[sash 95 mm]	125	mm
		[sash 85 mm]	115	mm
Middle Mullion Width Successive		[sash 95 mm]	105	mm
		[sash 85 mm]	95	mm
Meeting Stile Construction Width Meeting Stile		[sash 43 mm]	48	mm
		[sash 95 mm]	198	mm
		[sash 85 mm]	178	mm
Max Sash Height			3.500	mm
Max Sash Width			3.000	mm
Max Sash Weight			440	kg
Max Glass Thickness			46	mm

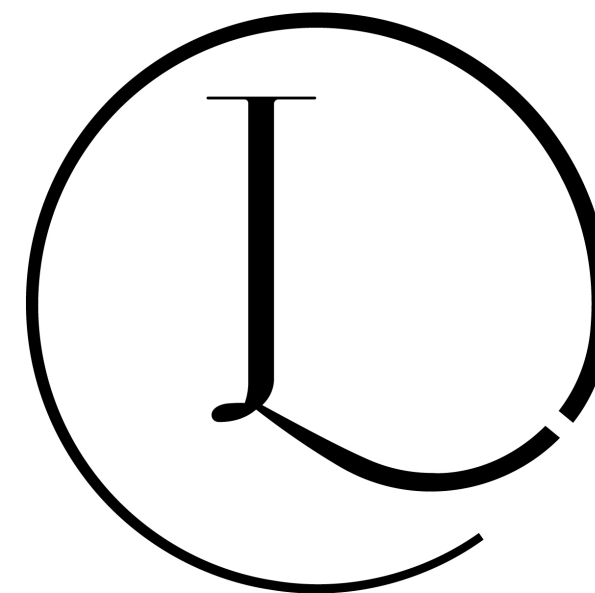
2-Sash Successive Construction 3.500 x 6.000 mm	Uw ≥ 1.04W/m K	2-Sash Successive Construction 3.500 x 6.000 mm	Uw ≥ 1.48 W/m K
Triple Glazing, Ug = 0.6 W/m2K with Swisspacer Ultimate		Double Glazing, Ug = 1.1 W/m2K with Swisspacer Ultimate	
Air Permeability	EN 12207	Class 4	[600Pa]
Watertightness	EN 12208	7A	[300Pa]
Resistance to Wind Load	EN 12210	B3	[1.200Pa]

SL60 HI²



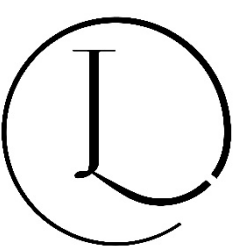
SLIDING SYSTEM

When creating the scenery for living, the aluminium system is of essence. Choose the SL60 HI², one of our best solutions for any kind of building project.



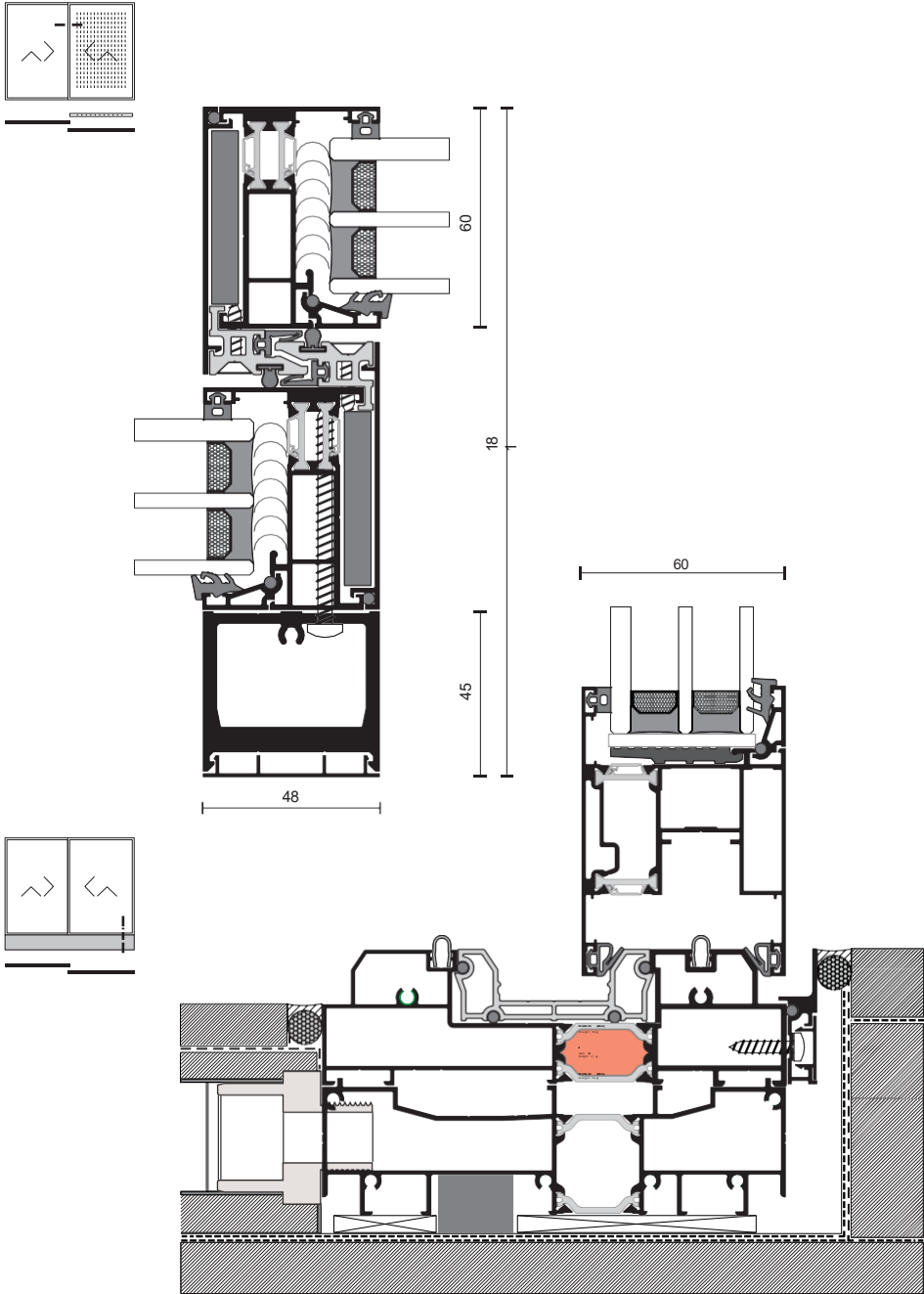
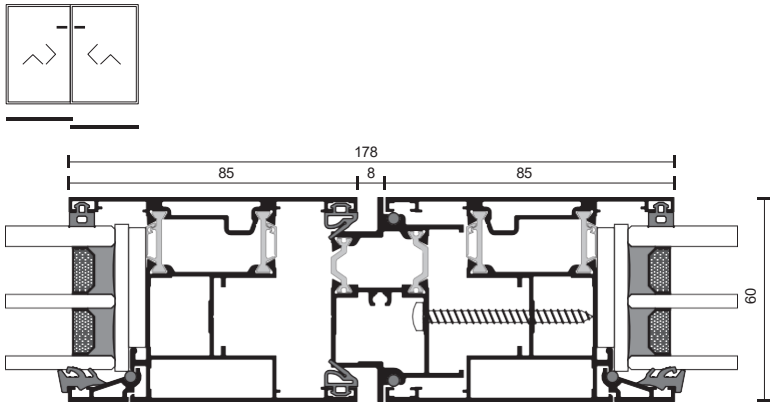
LUMINAIRE

EUROPEAN WINDOWS & DOORS



SL60 HI²

Enjoy the smooth movement and flawless function.
Relish the abundance of light and comfortable space.



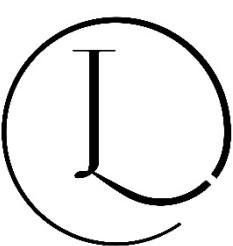
LIFT & SLIDE SUCCESSIVE CONSTRUCTIONS

INWALL LIFT & SLIDE CONSTRUCTIONS

TYPOLOGIES

	2-Sash		4-Sash meeting stile with fixed parts
	2-Sash with fixed part		4-Sash meeting stile with fixed parts and flyscreen
	2-Sash with flyscreen		5-Sash with multi-track
	2-Sash with fixed part and flyscreen		2-Sash angular - Inner angle
	3-Sash		2-Sash angular - Outer angle
	3-Sash with fixed part		3-Sash angular - Inner angle
	3-Sash with multi-track		3-Sash angular - Outer angle
	4-Sash meeting stile		

	1-Sash inwall		1-Sash inwall with flyscreen and shutter
	1-Sash inwall with flyscreen		2-Sash inwall meeting stile with flyscreen and shutter
	1-Sash inwall with shutter		



TECHNOLOGY

THERMAL INSULATION

ADVANCED
SEALING
SYSTEM

EXTRA
FEATURES

FUNCTIONALITY

- 1

Enhanced **customized insulation bars** are set both in the central zone and the middle mullion
- 2

Complete filling of the middle chamber on all system's tracks using the innovative insulation technology of **ELVIAL I2**
- 3

A foam insulating profile (LDPE) is fitted at the perimeter of the glazing zone
- 4

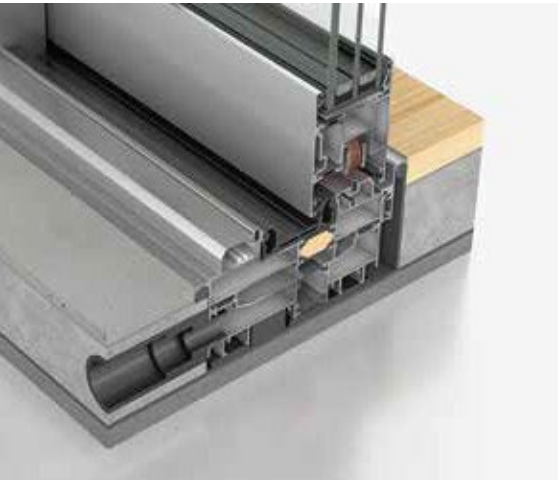
Co-extruded gasket on the bottom part of sashes, sealing the track and the adjoining profile for angular constructions
- 1

Q-LON in the successive area insulating bars, even in the narrow mullion width edition
- 2

Specially designed **gaskets** that apply efectively in 2 points in the successive area
- 3

Sealing with **EPDM gaskets** and **vulcanized gasket comers**, guaranteeing a high level perimetrical waterproofing of the sash with the track
- 4

Elastometric **central sealants** of excellent design, which fit perfectly on the surface of the aluminium, giving a high sealing performance



IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

Sash Depth			60	mm
Visible Height		[sash 95 mm]	127	mm
		[sash 85 mm]	117	mm
Middle Mullion Width Successive		[sash 95 mm]	105	mm
		[sash 85 mm]	95	mm
		[sash 43 mm]	48	mm
Meeting Stile Construction Width Meeting Stile		[sash 95 mm]	198	mm
		[sash 85 mm]	178	mm
Max Sash Height			3.500	mm
Max Sash Width			3.000	mm
Max Sash Weight			440	kg
Max Glass Thickness			46	mm

- 1

Handles for unique style
- 2

Handle damper
- 3

Lift assist that reduces the feel of weight
- 4

Options of
Silent Close Damping Unit
& Stop Damping Unit
- 5

Anti-Jemmy Device



Black Anodizing

Inox Satine

Natural Anodizing

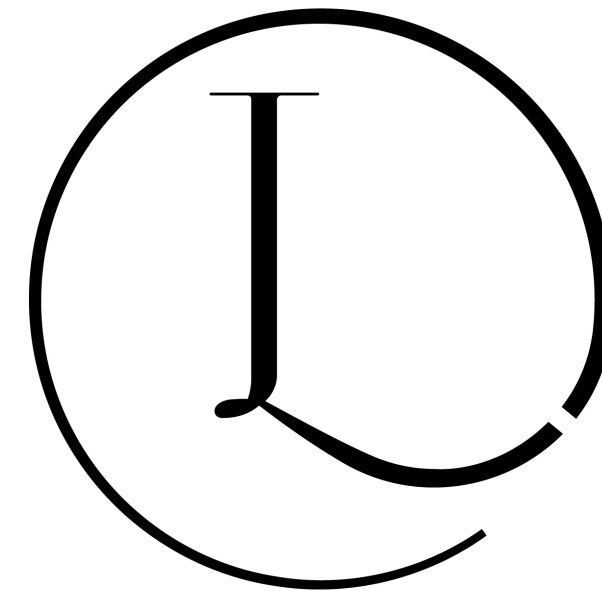
2-Sash successive construction 3.500 x 6.000 mm	Uw ≥ 0.96 W/m K	2-Sash successive construction 3.500 x 6.000 mm	Uw ≥ 1.41 W/m K
Triple glazing, Ug = 0.6 W/m K with Swisspacer Ultimate		Double glazing, Ug = 1.1W/m K with Swisspacer Ultimate	
Air Permeability	EN 12207	Class 4 [600Pa]	
Watertightness	EN 12208	9A [600Pa]	
Resistance to Wind Load	EN 12210	C5/B5 [2.000Pa]	
Operating Forces	EN 13115	Class 2	
Mechanical Properties	EN 13115	Class 3	

SL50 FLAT EDITION



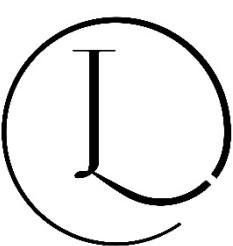
SLIDING SYSTEM

One more edition of aesthetic excellence and functional performance by does not come as a surprise. The SL50 FLAT EDITION with a 25mm external and 29mm internal track and a built-in alternative will perfectly frame the limit of a comfortable interior.

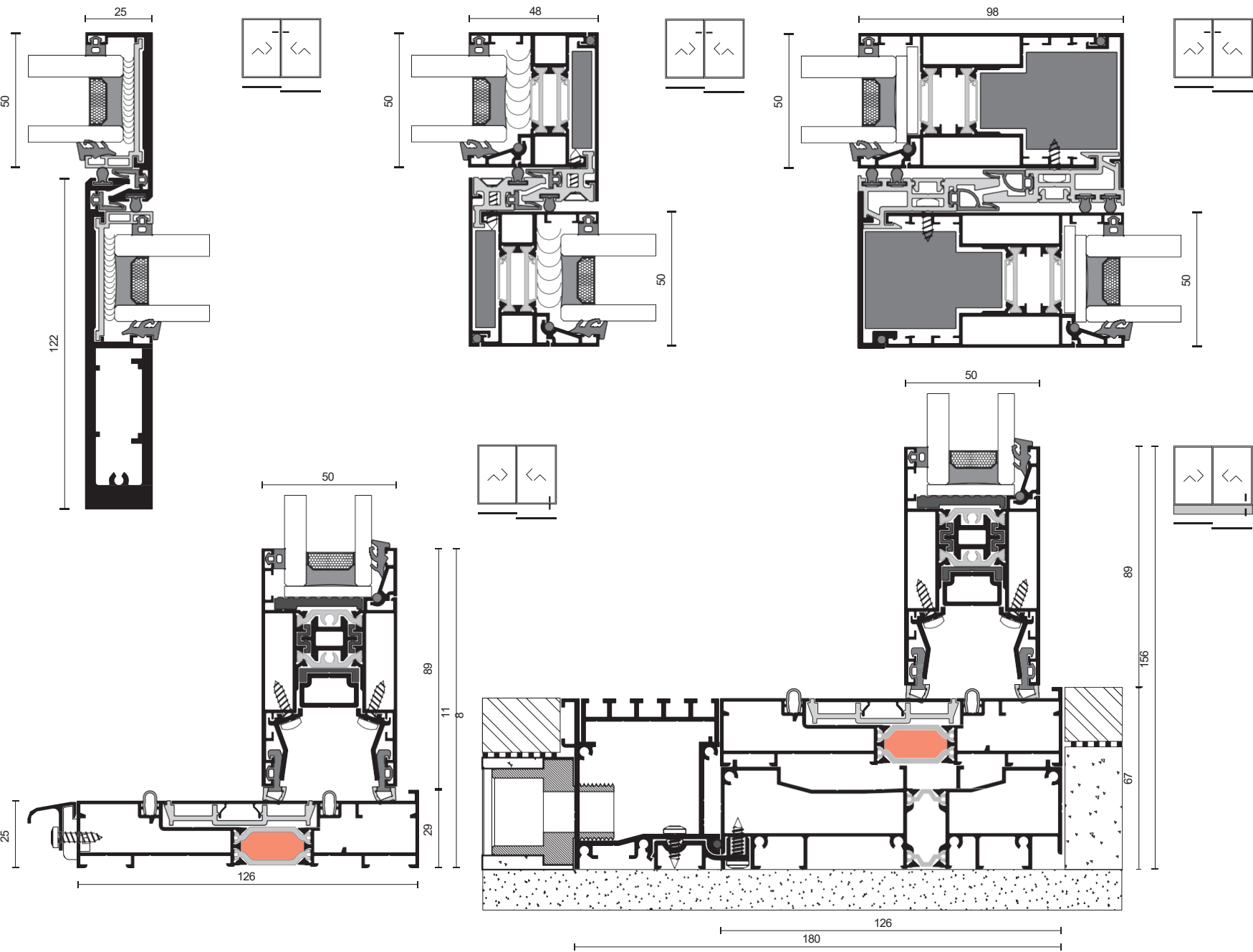


LUMINAIRE

EUROPEAN WINDOWS & DOORS



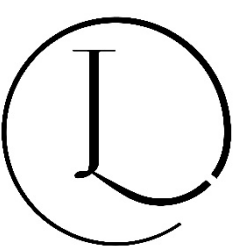
SL50 FLAT EDITION



LIFT & SLIDE SUCCESSIVE CONSTRUCTIONS

TYPOLOGIES

	2-Sash		4-Sash meeting stile with fixed parts and flyscreen
	2-Sash with fixed part		6-Sash meeting stile with fixed parts
	2-Sash with flyscreen		2-Sash angular - Inner angle
	2-Sash with fixed part and flyscreen		2-Sash angular - Outer angle
	3-Sash		2-Sash angular with flyscreen - Inner angle
	3-Sash with fixed part		2-Sash angular with flyscreen - Outer angle
	4-Sash meeting stile		3-Sash angular - Inner angle
	4-Sash meeting stile with flyscreen		3-Sash angular - Outer angle



TECHNOLOGY

THERMAL INSULATION

ADVANCED
SEALING
SYSTEM

EXTRA
FEATURES

FUNCTIONALITY

IDENTITY

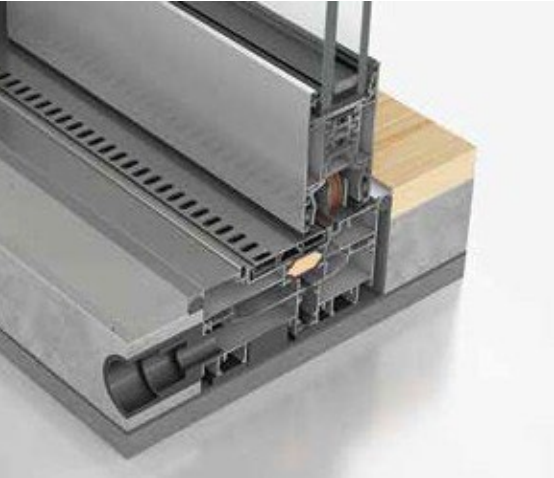
DESIGN

PROPERTIES

PERFORMANCE

ENERGY

- 1 **Insulation Bars** are set on all system's tracks
- 2 Complete filling of the middle chamber on all system's tracks using the innovative insulation technology of **ELVAL I2**
- 3 **A Foam Insulating Profile** (LDPE) is fitted at the perimeter of the glazing zone, minimizing thermal energy loss
- 4 **Co-extruded gasket** on the bottom part of sashes, sealing the adjoining profile for angular constructions



- 1 **Q-LON** in the successive area insulating bars, even in the narrow mullion width edition
- 2 Specially designed **gaskets** that apply efectively in 2 points in the successive area
- 3 **Specially designed gaskets** and vulcanized gasket corners, guaranteeing a high level perimetrical waterproofing of the sash with the track
- 4 Elastometric **central sealants** of excellent design, which fit perfectly on the surface of the aluminium, giving a high sealing performance
- 5 **Ghost glazing gaskets** minimizes the visible facet and renders the gaskets practically invisible

- 1 Handles for unique style
- 2 Handle damper
- 3 Lift assist that reduces the feel of weight
- 4 Options of Silent Close Damping Unit & Stop Damping Unit
- 5 Anti-Jemmy Device



COLORS

- Black
- Inox Satine
- Natural Anodized

Sash Depth		50	mm
Visible Height		118	mm
Middle Mullion Width Successive		[sash 88 mm] 98 [sash 43 mm] 48 [sash 25 mm] 25	mm
Meeting Stile Construction Width Meeting Stile		184	mm
Max Sash Height		3.500	mm
Max Sash Width		3.000	mm
Max Sash Weight		400	kg
Max Glass Thickness		[mullion width 98 mm & 48 mm] 36 [mullion width 25 mm] 34	mm

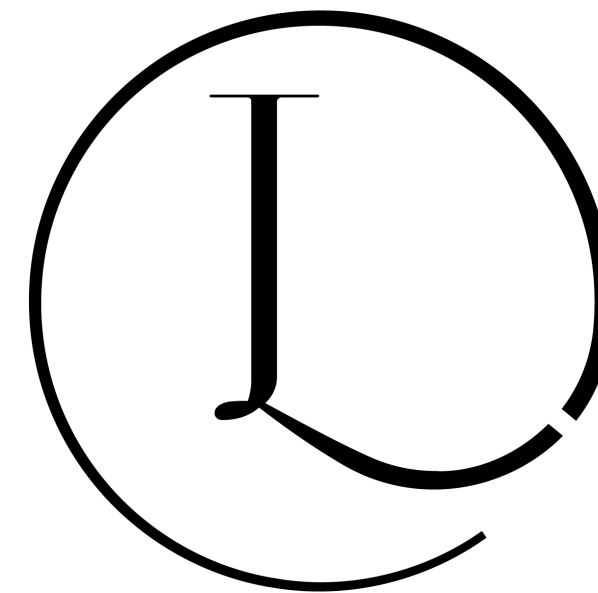
2-Sash successive construction 6.000 x 3.500 mm	Double glazing, Ug = 11W/m K with Swisspacer Ultimate	Uw ≥ 1.42W/m K
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SL50 HI²



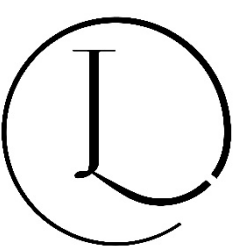
SLIDING SYSTEM

With a 25mm mullion width option, linear design, and typologies that meet every architectural demand, it represents a durable and aesthetically pleasing solution for high-end spaces. SL50 HI2 CLASSIC is the ideal lift and slide and sliding solution for maximum openings, maximum natural light, and absolute construction superiority.

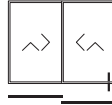
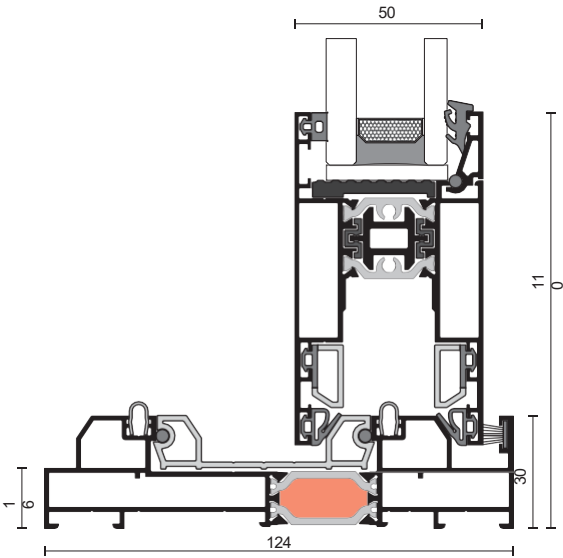
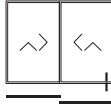
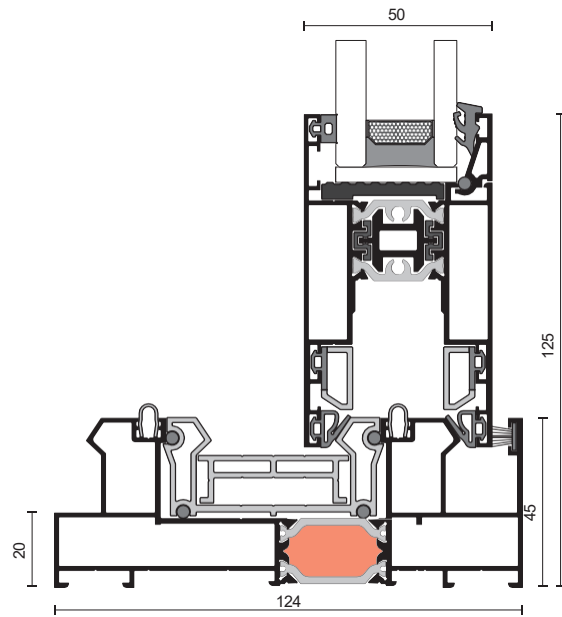
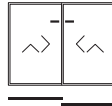
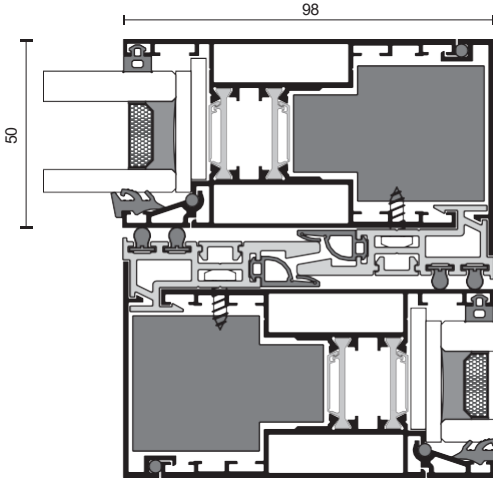
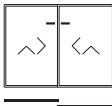
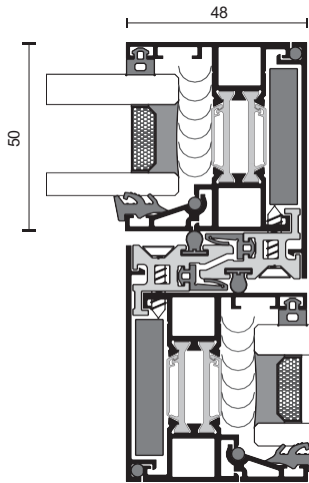
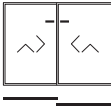
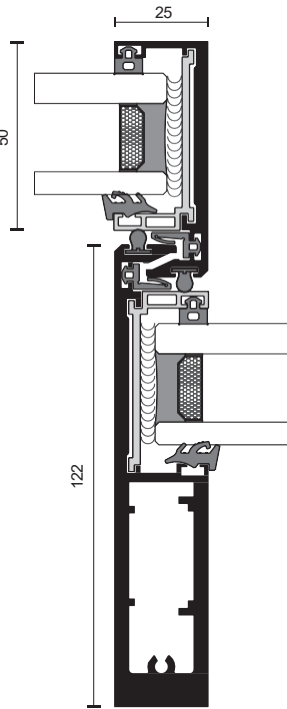


LUMINAIRE

EUROPEAN WINDOWS & DOORS



SL50 HI²

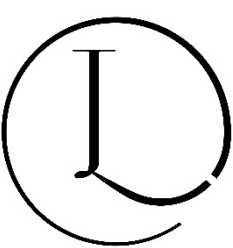


SLIDING AND LIFT & SLIDE SUCCESSIVE CONSTRUCTIONS

INWALL SLIDING AND LIFT & SLIDE CONSTRUCTIONS

TYPOLOGIES

	2-Sash		5-Sash with multi-track
	2-Sash with fixed part		6-Sash meeting stile with fixed parts
	2-Sash with flyscreen		2-Sash angular - Inner angle
	2-Sash with fixed part and flyscreen		2-Sash angular - Outer angle
	3-Sash		2-Sash angular with flyscreen - Inner angle
	3-Sash with fixed part		2-Sash angular with flyscreen - Outer angle
	4-Sash meeting stile		3-Sash angular - Inner angle
	4-Sash meeting stile with flyscreen		3-Sash angular - Outer angle
	4-Sash meeting stile with fixed parts and flyscreen		2-Sash with fixed part (hotel edition)
	4-Sash with multi-track		3-Sash with fixed parts (hotel edition)
	1-Sash inwall		1-Sash inwall with flyscreen and shutter
	1-Sash inwall with flyscreen		2-Sash inwall meeting stile with flyscreen and shutter
	1-Sash inwall with shutter		



TECHNOLOGY

THERMAL INSULATION

ADVANCED
SEALING
SYSTEM

EXTRA
FEATURES

FUNCTIONALITY

- 1

Insulation bars are set on all system's tracks
- 2

Complete filling of the middle chamber on all system's tracks using the innovative insulation technology of **ELVIAL I**
- 3

A foam insulating profile (LDPE) is fitted at the perimeter of the glazing zone, minimizing thermal energy loss
- 1

Q-LON in the successive area insulating bars, even in the narrow mullion width edition
- 2

Specially designed **gaskets** that apply efectively in 2 points in the successive area
- 3

Specially designed gaskets and vulcanized gasket corners, guaranteeing a high level perimetrical waterproofing of the sash with the track
- 4

Elastometric **central sealants** of excellent design, which fit perfectly on the surface of the aluminium, giving a high sealing performance
- 5

Ghost glazing gaskets minimizes the visible facet and renders the gaskets practically invisible



IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

Sash Depth			50	mm
Visible Height		[sash 88 mm]	125 110	mm
		[sash 72 mm]	109 94	mm
Middle Mullion Width Successive		[sash 88 mm]	98	mm
		[sash 43 mm]	48	mm
		[sash 25 mm]	25	mm
Meeting Stile Construction Width Meeting Stile		[sash 88 mm]	184	mm
		[sash 72 mm]	152	mm
Middle Mullion Width Fixed T		[sash 88 mm]	98	mm
		[sash 43 mm]	48	mm
Max Sash Height			3.500	mm
Max Sash Width			3.000	mm
Max Sash Weight			400	kg
Max Glass Thickness		[mullion width 98 mm & 48 mm]	36	mm
		[mullion width 25 mm]	34	mm

2-Sash successive construction 6.000 x 3.500 mm	Double glazing, Ug = 1.1W/m K with Swisspacer Ultimate	Uw ≥ 1.35 W/m K
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E900 [900Pa]
Resistance to Wind Load	EN 12210	C3/B3 [1.200Pa]
Sound Reduction	EN 14351-1	44dB ^{Glazing} 44.2/15/66.2
Operating Force	EN 13115	Class 1



LIFT & SLIDE
EDITION



SLIDING
EDITION



Black

Inox Satine

Natural Anodized

The FINISHINGS

The right choice of color may uplift the aesthetic result and add value to the building image, contributing, at the same time, to the well-being of everyday users.

There are 2 basic technologies developed for surface treatment. Powder Coating and Anodizing.

BUT if you want to achieve the ultimate combination of these 2 methods the solution is given by Pre-anodizing.

PRE-ANODIZING 2IN1

- // Zero waiting time
- // Spotless environment
- // Robotic handling

THIS IS WHAT Pre-Anodizing 2in1 is all about.

The first, and one out of seven worldwide, fully automated serial pre-anodizing and powder coating lines.

Pre-Anodizing 2in1 facility is robotic. No human hand meddles with the materials; the production environment is free of dust and other aggravating factors.

The profiles are subdued to an electrochemical procedure identical to that of anodizing.

STRONGER THAN TIME. STRONGER THAN ELEMENTS.

The aluminum profiles are placed in an underground tunnel and submerged in a sulfuric acid solution. Pre-anodizing produces an anodic substrate on the surface of the aluminum profile that protects it from corrosion.

Then the profiles are serially painted, eliminating waiting time, whilst the pores on the aluminium surface of the profile are completely sealed.

Pre-anodized aluminum profiles are automatically categorized as Sea Proof Plus.

Pre-Anodizing 2in1 is uniquely combined with Class 2 Super Durable powder coatings.

Our
COLOR COLLECTION

Colors can be playful and eye catching. They can be soothing and encompassing. The hues and textures are of utmost importance because they highlight the design.

We form them keeping in mind prominent architects' preferences and international trends

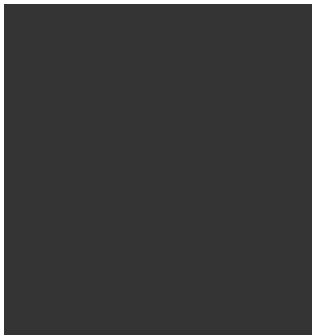
CLASS 2
SUPER DURABLE

Make the right choice.

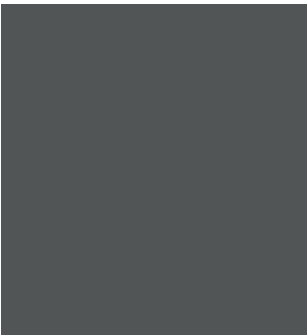
Combine pre-anodizing with class 2 powder coating colours. Achieve maximum anti-corosion and radiance resistance, even under extreme sun light.

The super durable powder coatings are 3 times more resistant to sun radiation and render the profiles practically indestructible.

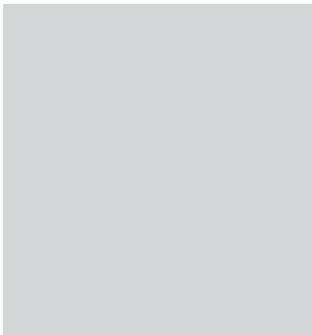
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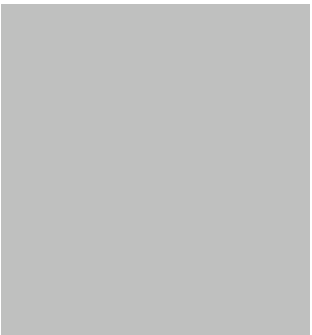
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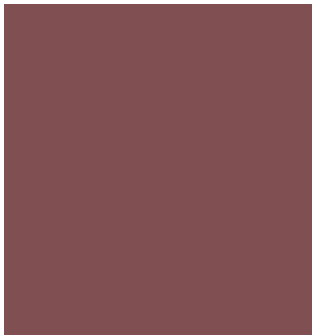
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YW365F.GRIS 2150



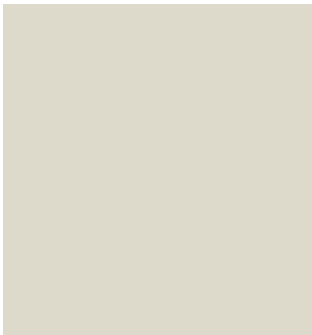
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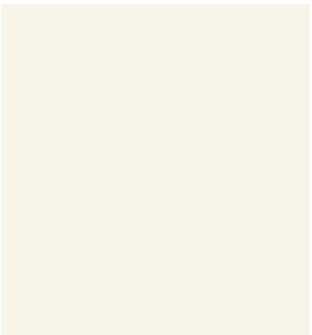
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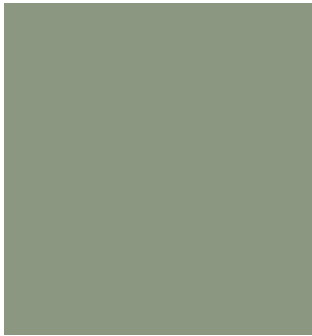
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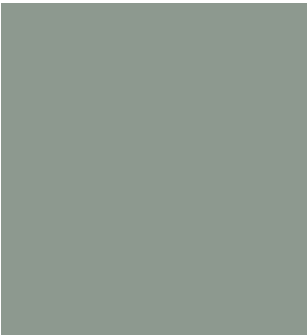
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MESOGIOS.815



MESOGIOS.813



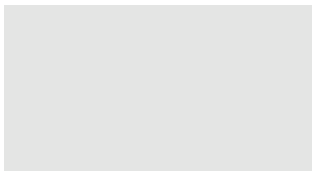
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MESOGIOS.809



AMMOS.7047



YW366F.GRIS 2800

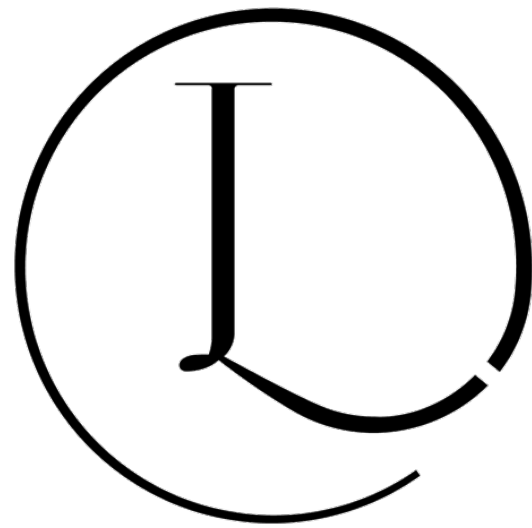


STR.3005



AMMOS.9005





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