MASTERING SUN PROTECTION

FABRIC SUN PROTECTION

RENSON®

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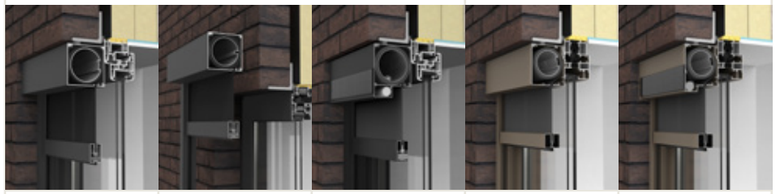
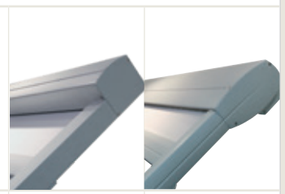
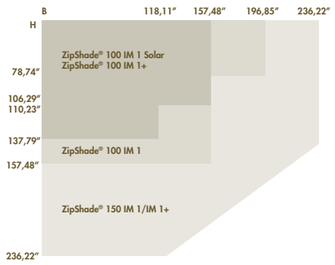
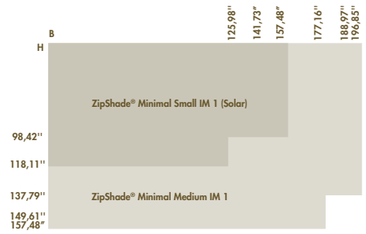
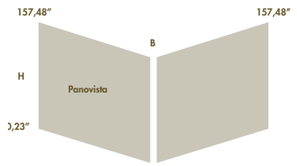
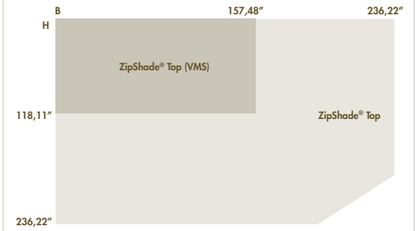
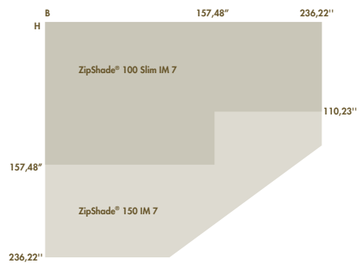
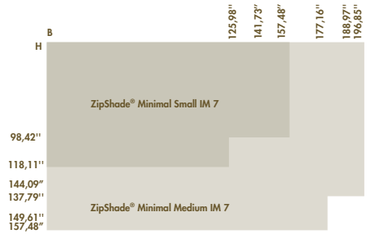
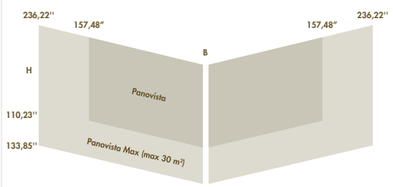
Our passion lies in creating innovative products and complete solutions that turn every home into a healthy and comfortable place to live. Our commitment to "creating healthy spaces" is the foundation of everything we do.

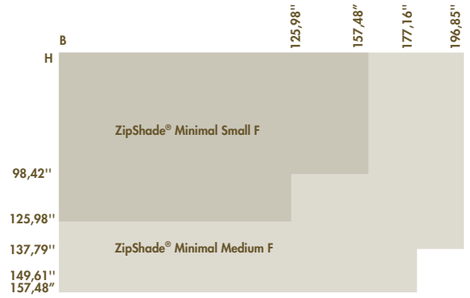
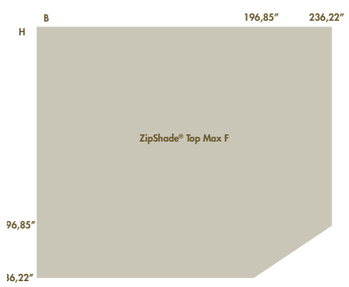
Paul Renson

RANGE OVERVIEW

Surface-mounted fabric sun protection	Vertical glazing					Vertical glazing	Horizontal glazing		
Window type	Standard glazing or sliding window					Corner window	Conservatories, sunrooms, skylights, roof windows or Velux Modular Skylight		
Sun Protection Type	ZipShade®			ZipShade® Minimal		Panovista®			
									
	Standard	Surface-mounted with mounting feet	Solar	Standard	Solar	Standard		Windproof	Not windproof
	Page 26	Page 30	Page 36	Page 70	Page 74	Page 100	ZipShade® Top	Page 114	-
							ZipShade® Top Max	Page 122	-
Maximum dimensions									

Recessed in front of the window	Vertical glazing			
Window type	Vertical glazing or sliding window			Corner window
Sun Protection Type	ZipShade®	ZipShade® Minimal		Panovista® (Max)
	Standard	Standard		Standard
	Page 42	Page 80		Page 104
Maximum dimensions				

Note: Maximum dimensions may vary depending on fabric type.

Freestanding	Without construction behind			Without construction behind	
Application	Vertical			Vertical	Horizontal
Sun Protection Type	ZipShade®			ZipShade® Minimal	ZipShade® Top Max F
	Surface-mounted IM 1 F	Recessed IM 7 F		Surface-mounted IM 1 F	Recessed IM 7 F	Standard
	Page 52	Page 56		Page 88	Page 92	Page 126
Maximum dimensions					

Note: Maximum dimensions may vary depending on fabric type.

WHY FABRIC SUN PROTECTION

Fabric sun protection efficiently and effectively keeps the sun's heat out while ensuring you enjoy the best of natural light, outdoor views, and easy control.

1

KEEP TEMPERATURES UP TO 32°F COOLER

Fabric screens effectively block sun rays before they hit your windows, making them a powerful solution to maintain cooler indoor temperatures. With the right setup, fabric sun protection can reduce indoor temperatures by up to 32°F.

2

SAVE ON ENERGY

During the summer, indoor temperatures stay pleasant without the need for air conditioning. In the winter, by keeping the screens up, you can maximize the benefits of the low sun and enjoy the warmth it brings, ensuring energy savings throughout the year.

3

FOR EVERY PROJECT

Renson offers wind and weather-resistant fabric sun protection for surface areas up to 236.81 ft² thanks to ZipShade® Technology. There are also numerous installation options, with a suitable screen setup for every window and building.

4

DURABLE AND STYLISH

Opting for aluminum means selecting durability along with a sleek appearance. It guarantees that your screens will retain a modern, tidy look over time. The elegant finish of each component and their seamless integration into the façade – whether during new installation or retrofitting – enhance the overall appeal.

ALWAYS COMFORTABLE

VISUAL AND AESTHETIC COMFORT

Natural light is important for our health and well-being, offering a free source of light that boosts productivity and improves mental and physical health. We try to let in as much natural light as possible by adding more windows. However, when the sun is high, especially in summer, too much light can make our homes uncomfortable. The right sun protection systems can help with this, allowing us to enjoy natural light and a view outside without the discomfort of direct sunlight.

A business case for green building, WGBC Report 2013

OUTSIDE VIEW

Cognition & memory **10-25% Better**	Phone calls **6-12% Better**	Hospital admissions **8.5% Shorter**

DAYLIGHT

Cognition & memory 10-25% **Better**	Employees are **18% more productive**	**15-40% Increase** in sales

SYSTEMS

A **23%** productivity increase
Thanks to better lighting **11%**
Thanks to better ventilation **3%**
Thanks to individual temperature control

People now spend almost 90% of their time indoors during the day. Fifty years ago, people spent 90% of their time outdoors during the day!

THERMAL COMFORT AND ENERGY – SAVING SOLUTION

Beyond visual comfort, thermal comfort is a major reason to choose dynamic fabric sun protection as an energy-saving solution. When used with windows, fabric sun protection adds insulation and helps prevent overheating. This means you can avoid active cooling in the summer, leading to significant energy savings. In winter, it can also capture solar heat, reducing heating costs.

Sun protection goes beyond being just a product. A high-quality, dynamic solution optimizes both sun and shade. That's why architects and construction companies should incorporate it into every project, whether new builds or renovations. The greatest energy savings come from dynamic and automated sun protection, and various studies have highlighted its added value.

- **ESCORP EU-25 study (European study):**
  Roller shutters and exterior and interior sun protection installed on at least half the buildings will cut building energy consumption by nearly 10%.
- **TU Delft: TNO 2015 R10396 (Dutch study):**
  Savings on heating due to sun protection-related thermal insulation. The calculated savings on heating can reach up to 17% for the reference townhouse and up to 29% for the reference apartment.
- **ESSO 2014 Study (European study):**
  "Dynamic shading solutions for energy-efficient buildings." Dynamic sun protection leads to over a 36% reduction in cooling costs (all types of glazing and climate conditions in Europe). The highest savings are achievable with southwest facing façades, i.e., up to 65–70%.
- **ESSO 2021 Study (European study):**
  "Solar shading – Synergizing mitigation of GHG emissions and adaptation to climate change." Thanks to dynamic fabric sun protection, greenhouse gas emissions in MT CO_2/year could be reduced by up to 58% more by 2050 than with air conditioning.

More daylight and outdoor views lead to increased productivity and concentration, and an improved overall sense of well-being.

ENJOY ALL SEASONS

Everyone wants a nice view and lots of natural light in their home while staying comfortable. Sun protection enhances comfort during hot summer months and chilly winters. Additionally, it can have a positive impact on your energy consumption.

CUSTOMIZED COMFORT FOR ALL SEASONS

New buildings are often well-insulated and airtight, which helps lower energy bills. However, on hot days, the sun can shine directly through large windows, making indoor temperatures uncomfortably high. Once that heat gets in, it's difficult to remove in a well-insulated space.

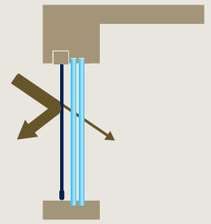
The key challenge is managing sunlight for optimal comfort throughout the day. For example, retracting your outdoor sun protection in winter allows more natural heat indoors, while keeping the screens down in summer is essential for maintaining a comfortable indoor temperature.

Summer

Winter

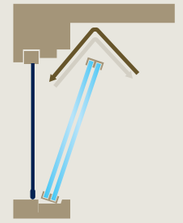
SUMMER DAYTIME

During the day, lower the sun protection to keep indoor temperatures comfortable. That also helps reduce glare, prevents furniture fading and eliminates the need for active cooling.



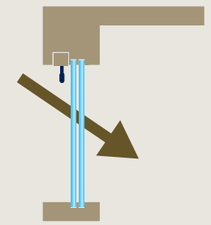
SUMMER NIGHTTIME

At night, lower your sun protection and open the window to let in the cooler night air. This helps cool your home, so you can start the day comfortably while keeping insects outside.



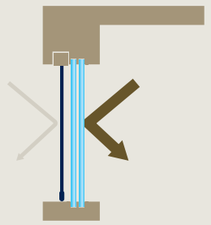
WINTER DAYTIME

During the day, maximize the amount of daylight entering your windows to naturally warm your rooms and reduce energy costs.

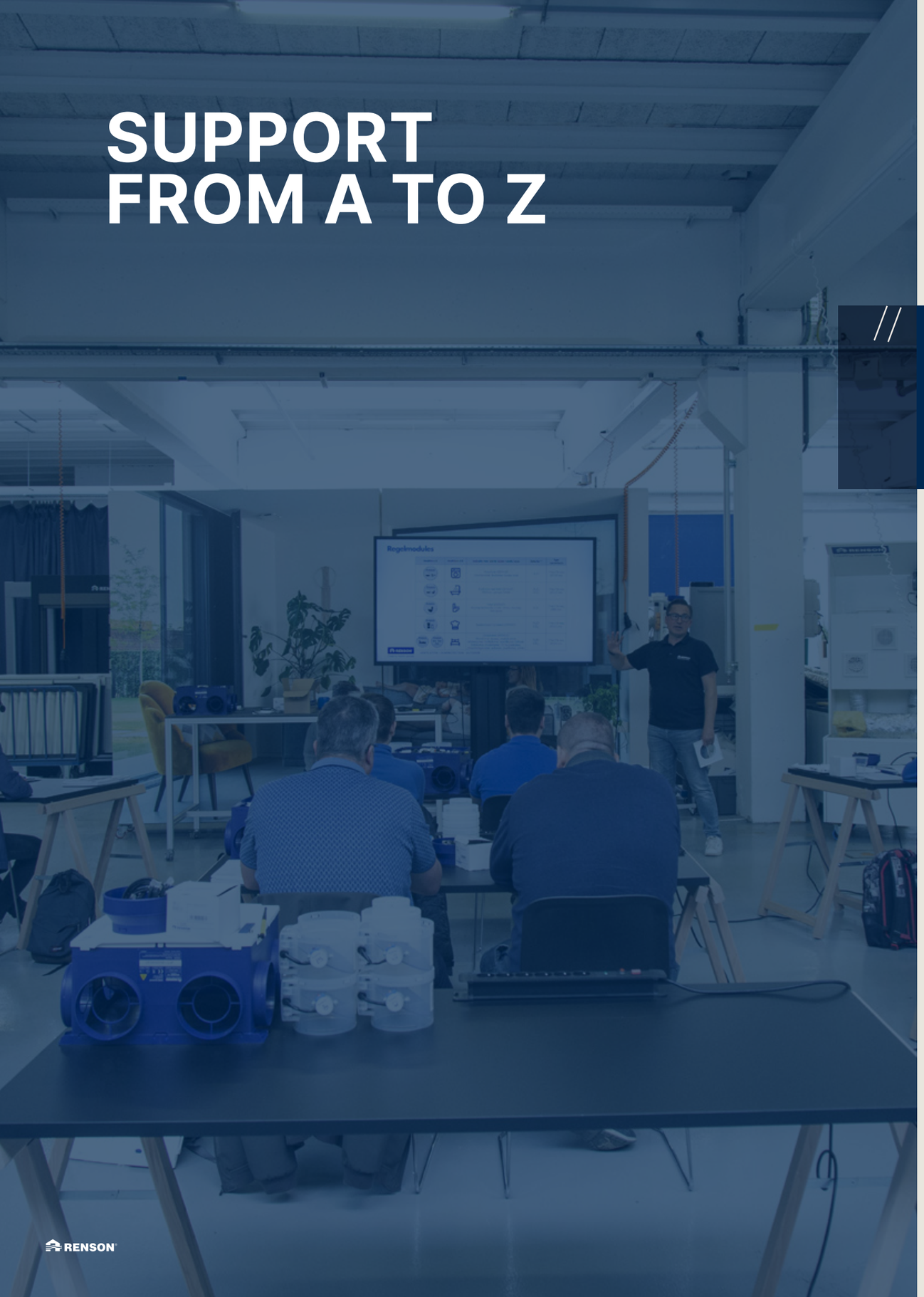


WINTER NIGHTTIME

At night, lower the sun protection so the air between your sun protection solution and the window acts as insulation. This keeps the heat inside so you wake up in a warm and cozy home.



SUPPORT FROM A TO Z



We are here for you (and your team)! Need training? How about on-site technical assistance or an intervention?

SUPPORT

One call to the HOTLINE was enough to get my team back on track at the construction site. We promptly got the technical information we were looking for. Perfect service that saved a lot of time!

Hotline

Struggling with a specific technical issue at the construction site? Contact one of our distribution partners or call a Renson representative via the **HOTLINE** on +1 (469) 381-9268 (WhatsApp only). We'll even send a Renson technician to your site if needed. That will save you time and give you less to worry about!

Renson Academy

A well-installed shading system begins with precision and expertise. With the right product knowledge and technical skills, you can save valuable time and ensure peak performance. Join us for:

- A product knowledge update
- A skills refresher
- Training on new techniques

Renson Services

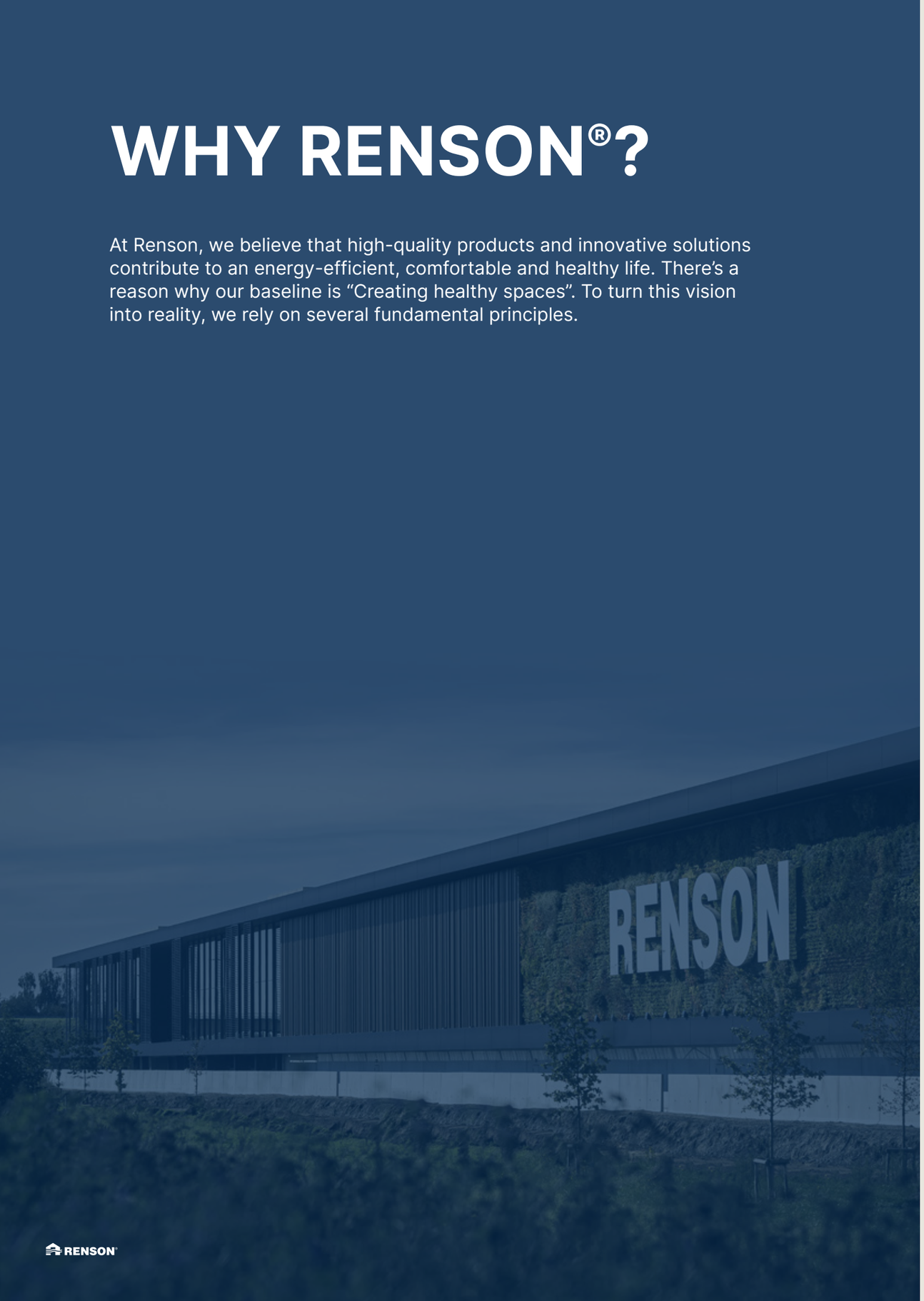
Have you finalized your project specifications? Renson Services collaborates with you to identify the best solution for your project, following the relevant standards. Our team of trained professionals is ready to address any questions you may have. Feel free to reach out for after-sales support or inquiries related to installation.

RENSON.NET

Our website has a wealth of information for customers and professionals alike. From technical manuals and data sheets to ecolabels, customer brochures, and specification sheets – you'll find everything you need in one place. Can't find what you're looking for? Reach out to our HOTLINE for direct assistance.

WHY RENSON®?

At Renson, we believe that high-quality products and innovative solutions contribute to an energy-efficient, comfortable and healthy life. There's a reason why our baseline is "Creating healthy spaces". To turn this vision into reality, we rely on several fundamental principles.



MINIMALIST DESIGN

We aim high when it comes to design. Renson® solutions seamlessly blend with every project, thanks to their detailed finishes and perfect integration.

THE POWER OF INNOVATION

Our passion for innovation fuels our progress. By developing and implementing cutting-edge technologies, we achieve remarkable results together.

ENDLESS CUSTOMIZATION

Whether it's for your home or the office, in a contemporary or countryside look – our customized solutions are quick and easy for satisfied customers and extraordinary buildings.

SUSTAINABLE ENTREPRENEURSHIP

Healthy living environments rely on nurturing a healthy planet. We are committed to doing business sustainably, from the materials we choose to logistics and production.

ULTIMATE EASE OF USE AND MAINTENANCE

Solid engineering enables convenient, low-maintenance sun protection. Our digital platform, RIO, is the driving force behind this simplicity, streamlining everything from configuration and ordering to fast, hassle-free installation.

PRODUCT OVERVIEW

Vertical fabric sun protection

ZipShade® **22**
- Surface-mounted **24**
- Recessed in front of the window **40**
- Freestanding **50**

ZipShade® Minimal **62**
- Surface-mounted **68**
- Recessed in front of the window **78**
- Freestanding **86**

Panovista® (Max) **96**

Horizontal fabric sun protection

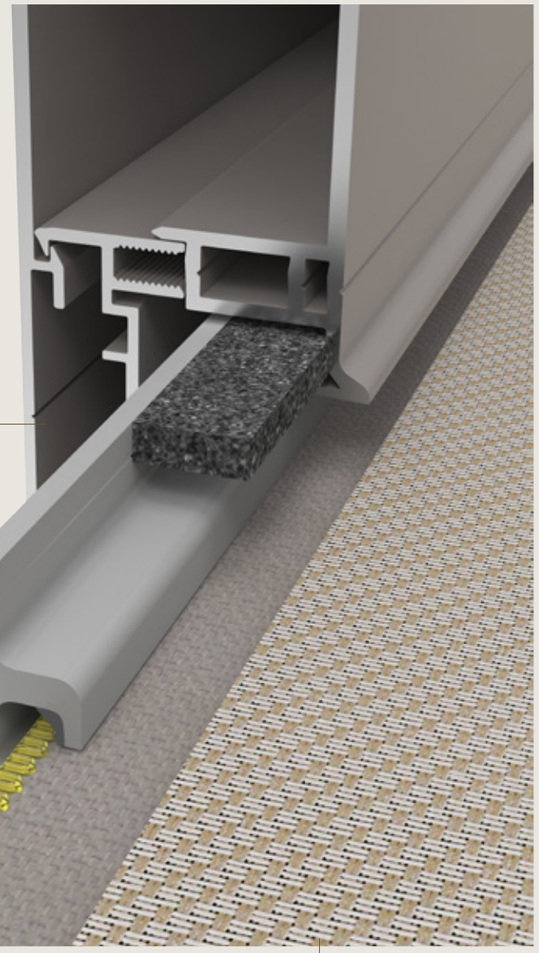
ZipShade® (Max) **110**
- ZipShade® Top **110**
- ZipShade® Top VMS **112**
- ZipShade® Top Max F **120**
- ZipShade® Top Max Freestanding **126**

VERTICAL FABRIC SUN PROTECTION

Vertical fabric sun protection effectively blocks direct sunlight, ideal for various applications, including standard, corner, sliding, and glass-on-glass windows, as well as freestanding installations. Renson's innovative ZipShade® Technology provides robust, windproof, and insect-proof coverage for expansive areas – up to 236.81 ft², or up to 322.92 ft² with the Panovista Max. This windproof vertical sun protection is the perfect choice for both new constructions and renovations, ensuring lasting durability and comfort.

ZIPSHADE®

In 2005, Renson launched ZipShade®, the first windproof external sun protection screen designed to withstand wind speeds of up to 80.78 mph. How does it work? The screen zips securely into dual side channels as it lowers, eliminating flapping and preventing tears. This innovation marked a major milestone and was the first chapter in a remarkable success story, setting the standard for resilient, high-performance sun protection.



Suitable for large glass surfaces
ZipShade® covers up to 236.81 ft²

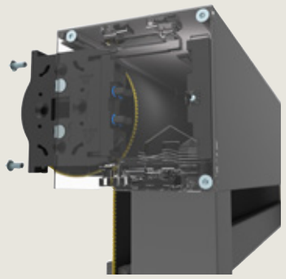
Durable inner rail equipped with Smooth Technology
The patented, co-extruded, wear-resistant top layer in our HPVC inner rail ensures fabric movement is smooth, durable and silent.

SMOOTH TECHNOLOGY

ZipShade® Technology guarantees high wind resistance
High wind guarantee up to 80.78 mph, thanks to symmetrical zippers.

ZIPSHADE TECHNOLOGY

Vast collection of fabrics and powder coating colors
For the perfect match for every building style



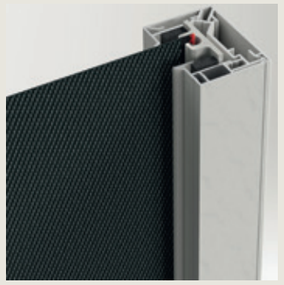
FABRIC SET INSTALLATION AND DISASSEMBLING

Fast, safe fabric set installation and disassembly with **Connect&Go Technology**

CONNECT & GO

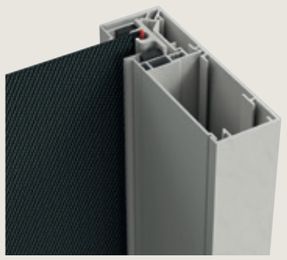
UNIQUE FABRIC TUBES

The standard fabric tube is fitted with a unique recessed groove to limit the impression of the fabric eyelet, i.e., to keep horizontal lines from with forming in the fabric. The ZipShade® Minimal, ZipShade® Medium IM 1, ZipShade® Slim IM 7 and freestanding models also have a detachable click-profile for large widths. This ensures easy (dis)assembly when replacing the fabric.



SIDE GUIDING CHANNEL FOR HIDING CABLES

The open side guiding channel S is equipped with an extra channel for concealing the motor's power supply cable.



THREE-PART SIDE GUIDING CHANNEL

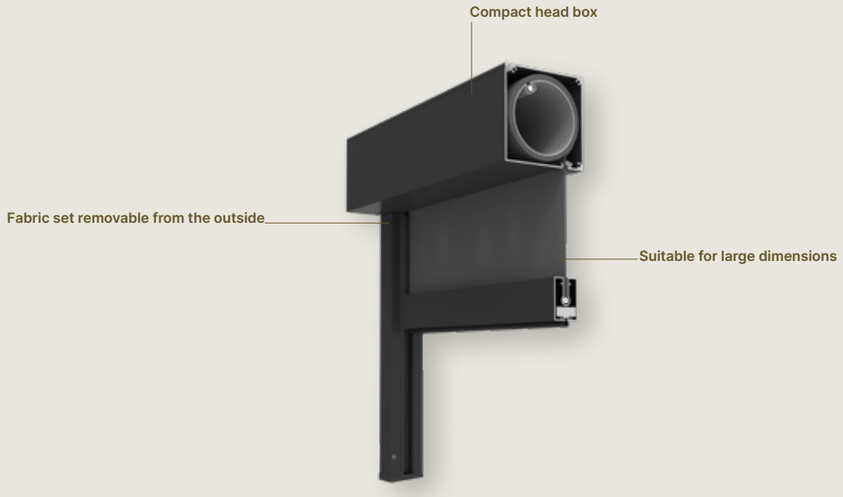
The deep side guiding channel D for recessed screens ensures head box accessibility after installation. This three-part guiding channel has a U-shaped base profile, allowing the fabric set to be easily disassembled without having to completely disassemble the side guiding channel itself. This eliminates the need for cutting or breaking, and maintains its water and wind tightness.

ZIPSHADE®
SURFACE-MOUNTED

ZIPSHADE®

Surface-mounted IM 1

RETROFIT



80 mph

SMOOTH TECHNOLOGY

ZIPSHADE TECHNOLOGY

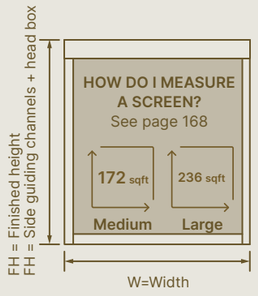
CONNECT & GO

Design	ZipShade® Medium	ZipShade® Large
Head box dimensions (HxD)	3.94" x 3.94"	5.91" x 6.10"
Head box extension	19.69"	
Square	✓	
Softline	✓	
Retractable bottom bar	–	✓ (to FH ≤110.24")
Recessed fabric tube	✓	
Base plate side guiding channel	At a 0° or 5° angle	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 80.78 mph in closed position depending on dimensions	
Control		
Somfy mechanical motor	✓	
Somfy RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

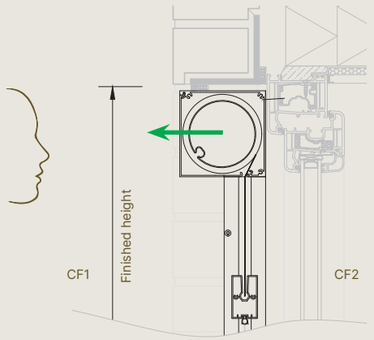
Dimensions		ZipShade® Medium		ZipShade® Large	
Single screen					
Fiberglass fabric Sergé / Natté Polyester fabric Soltis Veozip Tuffscreen insect mesh	Min. width	27.56"		35.63"	
	Max. width	157.48"	196.85"	236.22"	
	Max. height	157.48"	78.74"	236.22"	
	Max. surface area	172.22 ft²	107.64 ft²	236.81 ft²	
Fiberglass fabric Privacy Polyester fabric Soltis Horizon 86 / Soltis Perform 92	Min. width	27.56"		35.63"	
	Max. width	157.48"	118.11"	236.22"	
	Max. height	106.30"	137.80"	236.22"	
	Max. surface area	116.25 ft²	113.02 ft²	236.81 ft²	
Blackout fiberglass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Min. width	39.37"		39.37"	
	Max. width	157.48"		157.48"	236.22"
	Max. height	106.30"		157.48"	102.36"
	Max. surface area	120.56 ft²		172.22 ft²	
Coupled screen with 1 motor					
Fiberglass fabric Sergé / Natté / Privacy Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92 Tuffscreen insect mesh	Min. section width	31.5"		71.26"	
	Max. overall width	236.22"		236.22"	
	Max. section width	157.48"		196.85"	
	Max. height	106.30"		236.22"	
	Max. total surface area	174.39 ft²		236.81 ft²	
Blackout fiberglass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Min. section width	39.37"		71.26"	
	Max. overall width	236.22"		236.22"	
	Max. section width	157.48"		196.85"	
	Max. height	106.30"		157.48"	
	Max. total surface area	174.39 ft²		172.22 ft²	
Coupled screen with 2 motors					
Possible dimensions per section, per fabric type according to "single screen" table	Max. overall width	236.22"		236.22"	
	Max. total surface area	258.33 ft²		387.50 ft²	

NOTE
- ZipShade® Large: The product requires at least two people for installation. Weight: ± 50.71 lbs/win.

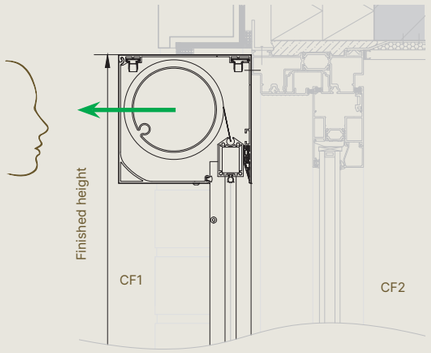
Motors:
- *For Somfy Maestria IO the restrictions below apply: ZipShade® Medium: Square: width ≥ 47.24" - height ≤ 106.30" / Softline: width ≥ 70.87" - height ≤ 106.30" ZipShade® Large: width ≥ 47.24"
- Detecto Renson motor Safety First and Somfy Maestria IO: always coupled with 2 motors



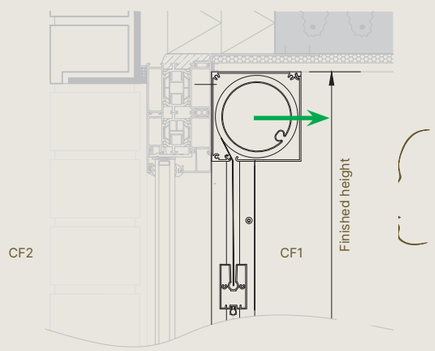
ZipShade® Medium - Drawing surface-mounted masonry



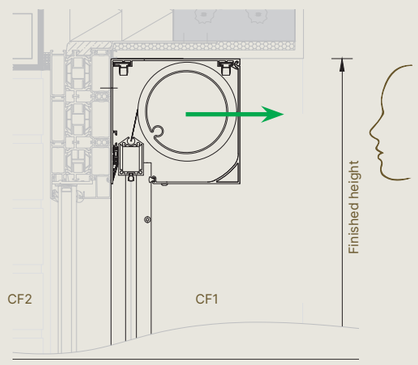
ZipShade® Large - Drawing surface-mounted masonry



ZipShade® Medium - Drawing surface-mounted indoor application

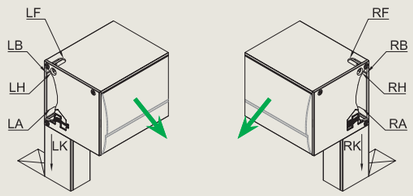


ZipShade® Large - Drawing surface-mounted indoor application



Base plate side guiding channel

Cable feed

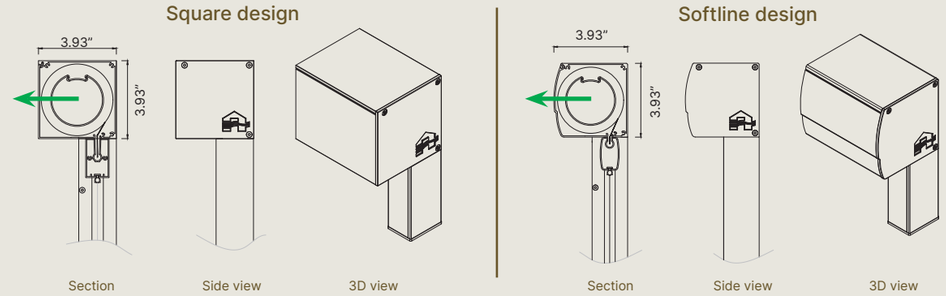


Feed	Feed location
A*	rear
B	rear
F	top
H	side
K	open side guiding channel

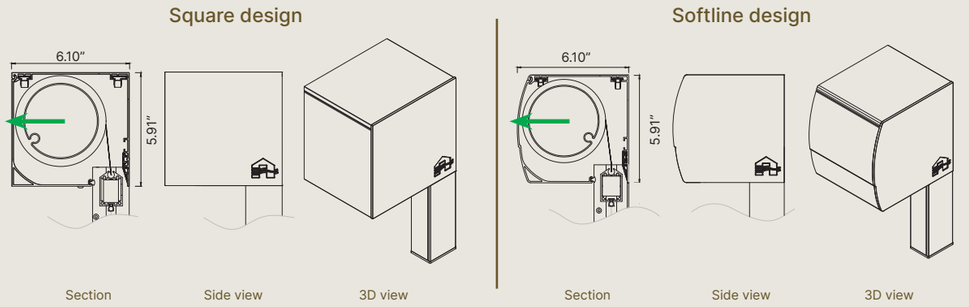
* Only possible for ZipShade® Medium

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
⊠ Window position

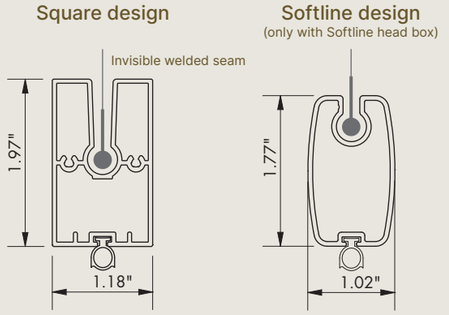
ZipShade® Medium - Head box



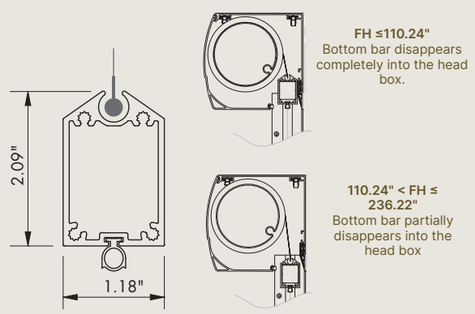
ZipShade® Large - Head box



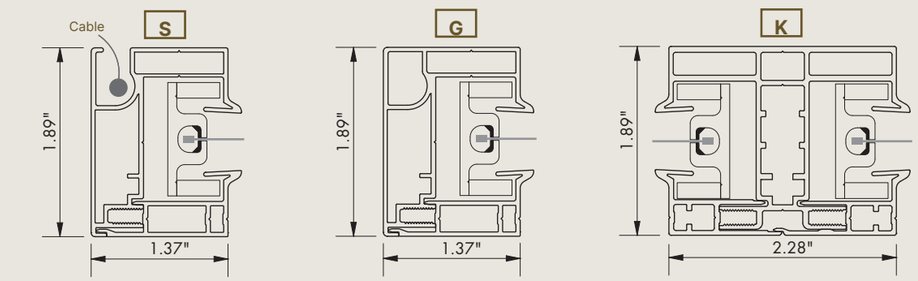
ZipShade® Medium - Bottom bar



ZipShade® Large - Bottom bar



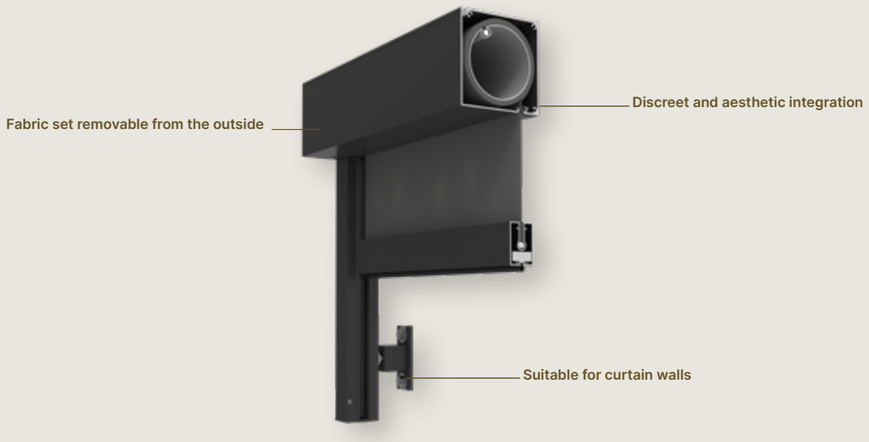
Side guiding channels



ZIPSHADE®

Surface-mounted with mounting feet IM 1+

RETROFIT



50 mph

SMOOTH TECHNOLOGY

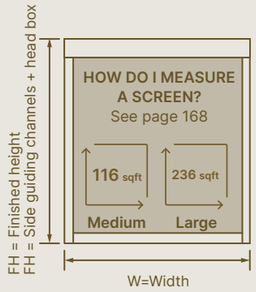
ZIPSHADE TECHNOLOGY

CONNECT & GO

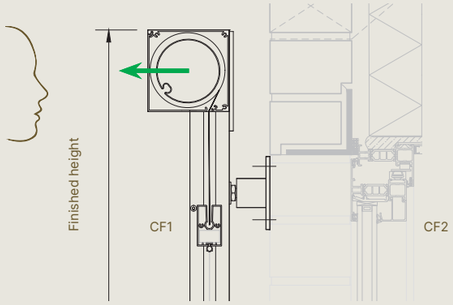
Design	ZipShade® Medium	ZipShade® Large
Head box size (HxD)	3.94" x 3.94"	5.91" x 6.10"
Head box extension	19.69"	
Square	✓	
Softline	✓	
Retractable bottom bar	-	✓ (to FH ≤110.24")
Recessed fabric tube	✓	
Base plate side guiding channel	At a 0° angle	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°114-31926	N°113-25809
Guaranteed wind resistance	Up to 49.71 mph in closed position	
Control		
Somfy mechanical motor	✓	
Somfy RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		ZipShade® Medium		ZipShade® Large
Single screen				
Fiberglass fabric Sergé / Natté Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92	Min. width	31.30"		35.63"
	Max. width	157.48"	118.11"	236.22"
	Max. height	106.30"	137.80"	236.22"
	Max. surface area	116.25 ft²	113.02 ft²	236.81 ft²
Linkable				
Required intermediate dimension (expansion)	0.20"			

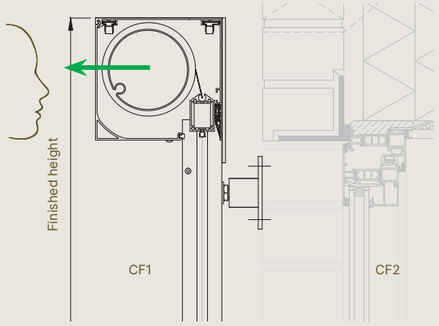
NOTE
- ZipShade® Large: It is recommended that at least two people install the product. Weight: ± 50.71 lbs/win.



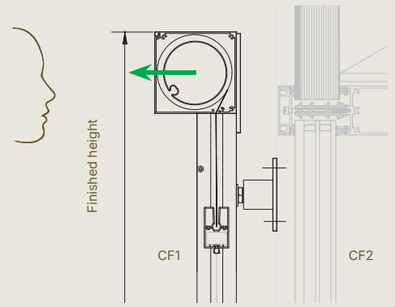
ZipShade® Medium - Drawing surface-mounted masonry



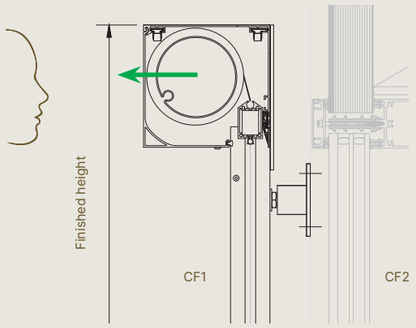
ZipShade® Large - Drawing surface-mounted masonry



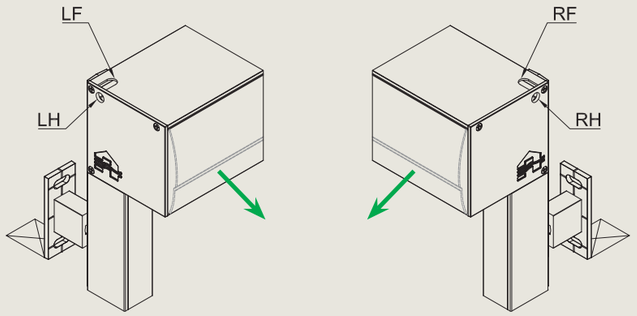
ZipShade® Medium - Drawing surface-mounted curtain wall



ZipShade® Large - Drawing surface-mounted curtain wall

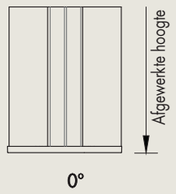


Cable feed

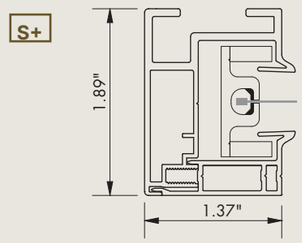


Feed	Feed location
F	top
H	side

Base plate side guiding channel



Side guiding channel

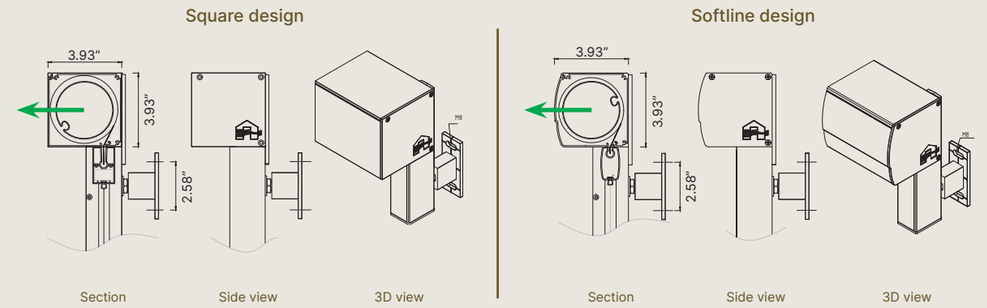


S+ = open side guiding channel

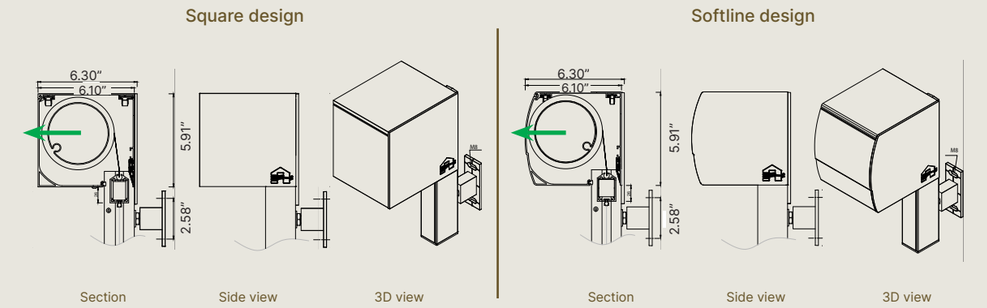
Viewing direction determines choice of left or right cable feed
⊠ Window position

← direction in which fabric set should be removed

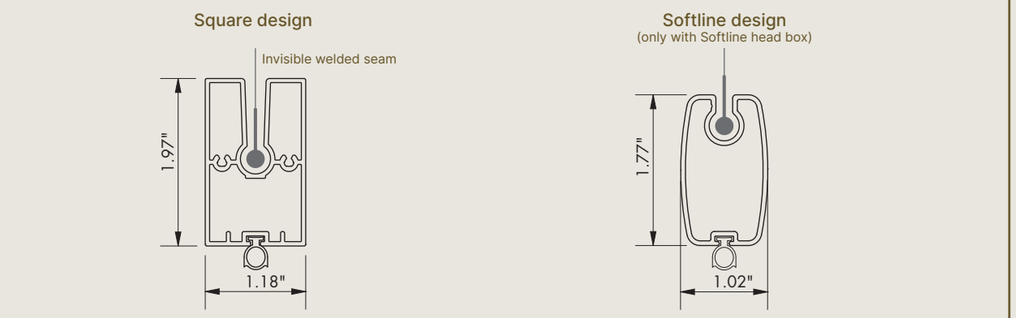
ZipShade® Medium - Head box



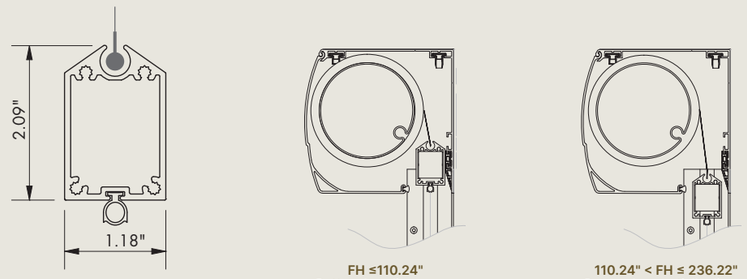
ZipShade® Large - Head box



ZipShade® Medium - Bottom bar



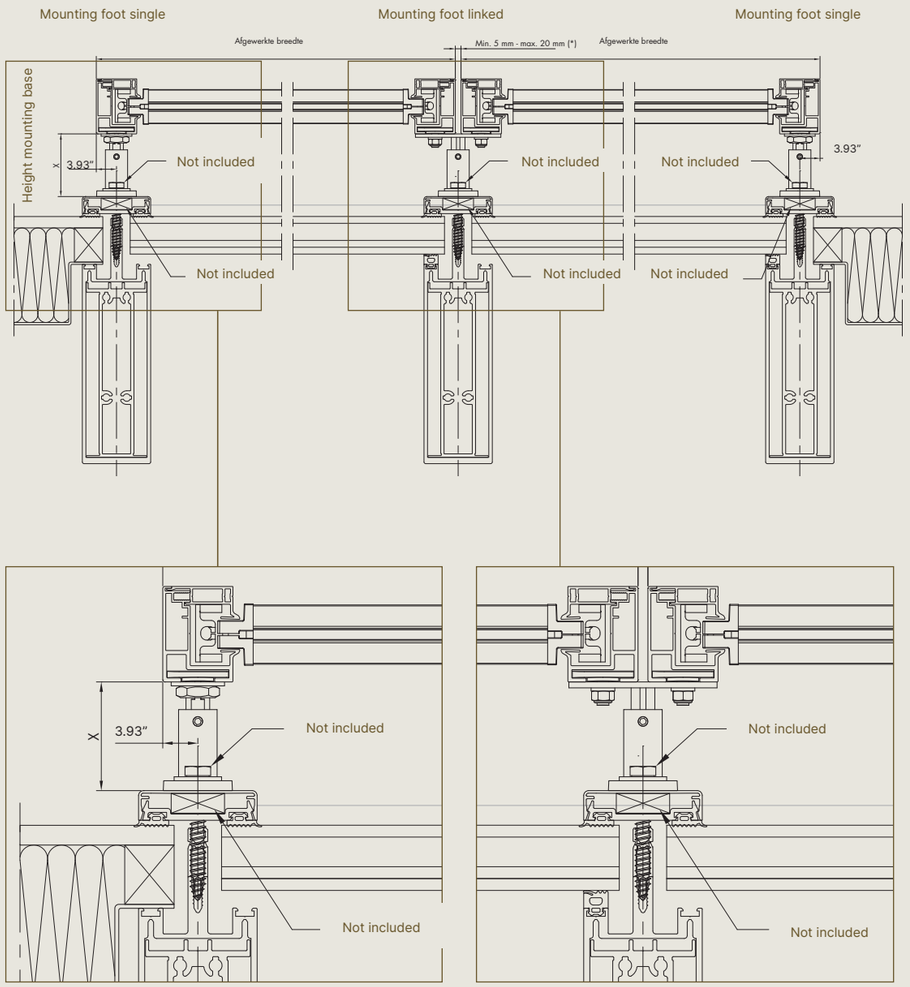
ZipShade® Large - Bottom bar



FH ≤110.24"
Bottom bar disappears completely into the head box.

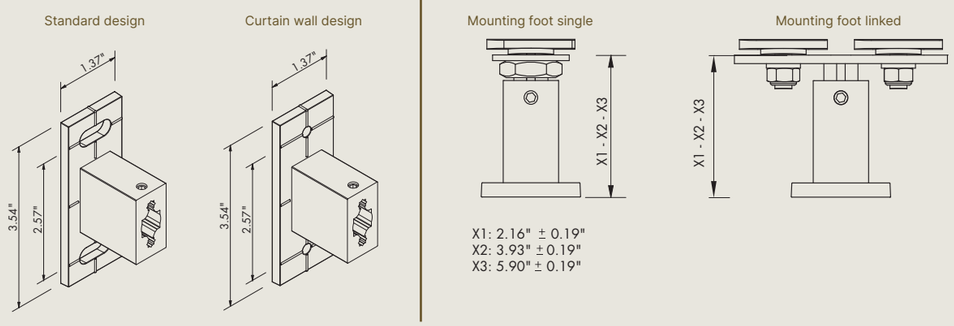
110.24" < FH ≤ 236.22"
Bottom bar partially disappears into the head box

Section installation method linked



(*) Take into account the expansion of the facade and/or case when installing connected products. Renson® is obliged to apply an intermediate distance (min. 5 mm) during installation.

Type of mounting feet



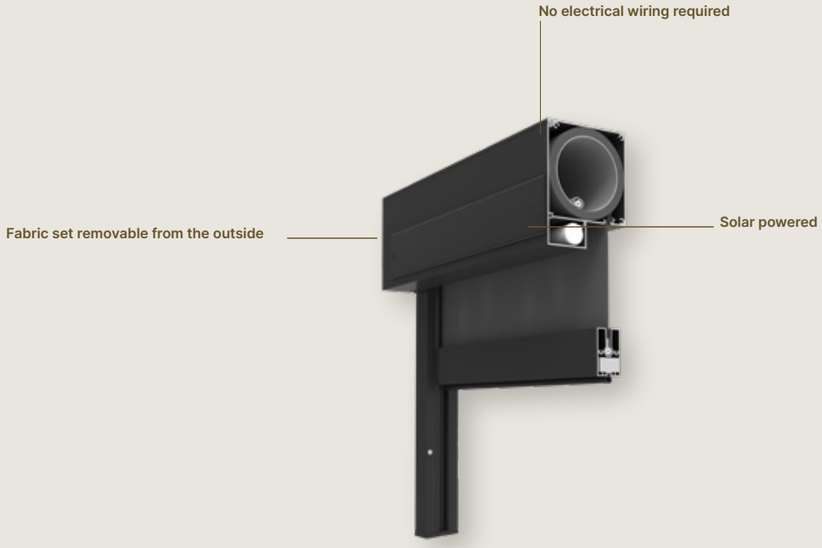
The number of bases required depends on width and height (W x H)*. Single or linked product					
(in inches)	number of 'mounting feet single' per side guiding channel		+	number of 'mounting feet linked' per link	
	bases left / right			bases middle	
type 2.17"					
Width ≤	157.48	236.22		157.48	236.22
Height ≤					
78.74	2	2		2	2
157.48	2	2		2	3
204.72	3	3		3	3
236.22	4	4		4	4
type 3.94"					
Width ≤	157.48	236.22		157.48	236.22
Height ≤					
78.74	3	3		3	4
122.05	4	4		4	5
157.48	5	5		5	7
181.10	7	7		7	7
208.66	8	8		8	8
236.22	9	9		9	9
type 5.91 in.					
Width ≤	157.48	236.22		157.48	236.22
Height ≤					
78.74	3	4		3	4
122.05	4	5		4	5
157.48	5	7		5	7
181.10	7	7		7	7
208.66	8	8		8	8
236.22	9	9		9	9

* Verify possible dimensions on page 31

ZIPSHADE® SOLAR

Surface-mounted IM 1

RETROFIT



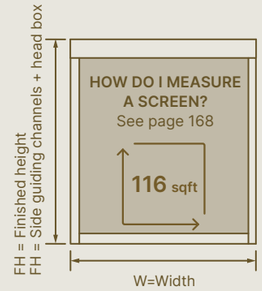
Dimensions			
Single screen			
Fiberglass fabric Sergé / Natté / Privacy **Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92** **Tuffscreen insect mesh**	Min. width	25.60"	
	Max. width	157.48"	118.11"
	Max. height	106.30"	137.80"
	Max. surface area	116.25 ft²	113.02 ft²
Blackout fiberglass fabric Satiné 21154 **Blackout polyester fabric Soltis Opaque B92**	Min. width	39.37"	
	Max. width	78.74"	
	Max. height	106.30"	
	Max. surface area	58.13 ft²	

80 mph

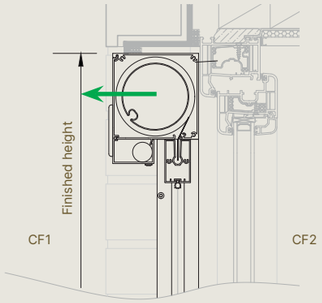
SMOOTH TECHNOLOGY

ZIPSHADE TECHNOLOGY

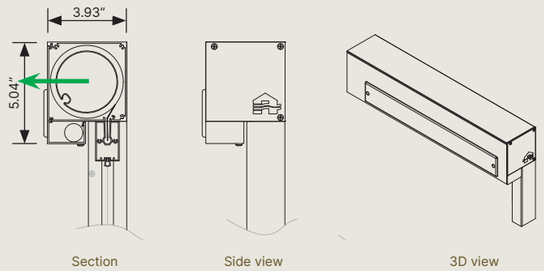
Design	ZipShade® Medium Solar
Head box size (HxD)	5.04" x 3.94"
Head box extension	-
Square	✓
Softline	-
Bottom bar partially retractable	✓
Recessed fabric tube	✓
Base plate side guiding channel	At a 0° or 5° angle
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	N°113-25809
Guaranteed wind resistance	Up to 80.78 mph in closed position
Control	
Somfy RTS radio controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-2015SC00002
Durability test report	WTCB N°651 XE823 CAR4139



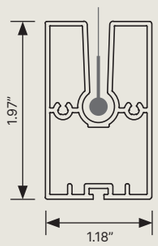
Drawing surface-mounted masonry



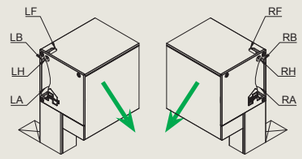
Head box



Bottom bar

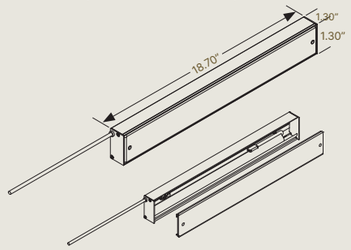


Cable feed with separate solar cell

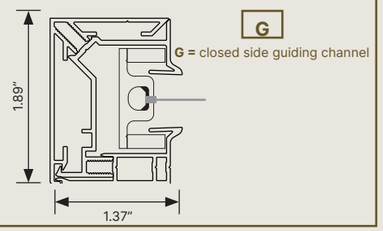


Feed	Feed location
F	top
B	rear
H	side
A	rear

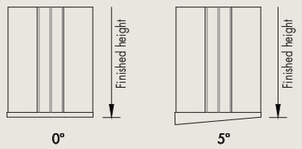
Separate solar cell option



Side guiding channel



Base plate side guiding channel



Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
⊠ Window position

RENSON®

VERTICAL SUN PROTECTION

ZIPSHADE®
RECESSED IN FRONT OF THE WINDOW

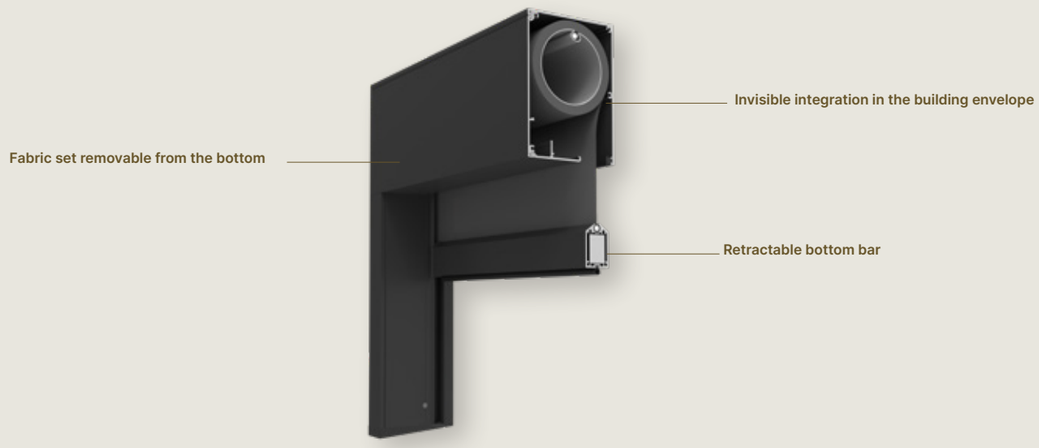
RENSON®

ZIPSHADE®

Recessed in front of the window IM 7

Installation method **7A** fabric close to the window
Installation method **7B** fabric away from the window Combines perfectly with insect screens, door handles, and more.

NEW BUILDS AND MAJOR RENOVATIONS



80 mph | SMOOTH TECHNOLOGY | ZIPSHADE TECHNOLOGY | CONNECT & GO

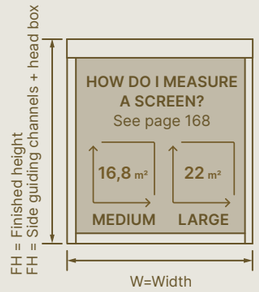
Design	ZipShade® Medium Slim	ZipShade® Large
Head box dimensions (HxD)	5.91" x 4.33"	5.91" x 6.10"
Head box extension	19.69"	
Square	✓	
Softline	-	
Retractable bottom bar	✓	✓ (to FH ≤110.24")
Recessed fabric tube	✓	
Base plate side guiding channel	At a 0° or 5° angle	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 80.78 mph in closed position depending on dimensions	
Control		
Detecto Renson motor Safety First	✓	
Somfy mechanical motor	✓	
Somfy (Meastria*) RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		ZipShade® Medium Slim		ZipShade® Large	
Single screen					
Fiberglass fabric Sergé/Natté Soltis Veozip polyester fabric Tuffscreen insect mesh	Min. width	27.56"		35.79"	
	Max. width	236.22"	157.48"	236.22"	
	Max. height	110.24"	157.48"	236.22"	
	Max. surface area	180.83 ft²	172.22 ft²	236.81 ft²	
Privacy fiberglass fabric Polyester fabric Soltis Horizon 86 / Soltis Perform 92	Min. width	27.56"		35.79"	
	Min. height	11.81"		11.81"	
	Max. width	177.17"	118.11"	236.22"	
	Max. height	110.24"	137.80"	236.22"	
	Max. surface area	135.63 ft²	113.02 ft²	236.81 ft²	
Blackout fiberglass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Min. width	39.37"		39.37"	
	Min. height	11.81"		11.81"	
	Max. width	157.48"		157.48"	236.22"
	Max. height	110.24"		157.48"	102.36"
	Max. surface area	120.56 ft²		172.22 ft²	167.92 ft²
Coupled screen with 1 motor (IM 7A)					
Fiberglass fabric Sergé/Natté Tuffscreen insect mesh Soltis Veozip polyester fabric	Min. section width	31.5"		71.57"	
	Max. overall width	236.22"		236.22"	
	Max. section width	196.85"		196.85"	
	Max. height	110.24"		236.22"	
	Max. total surface area	180.83 ft²		236.81 ft²	
Blackout fiberglass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Min. section width	39.37"		71.57"	
	Max. overall width	236.22"		236.22"	
	Max. section width	157.48"		196.85"	
	Max. height	110.24"		102.36"	
	Max. total surface area	180.83 ft²		167.92 ft²	
Coupled screen with 2 motors (IM 7A)					
Dimensional options per section, per fabric type according to "single screen" table	Max. Total width	236.22"		236.22"	
	Max. Total surface area	258.33 ft²		387.50 ft²	

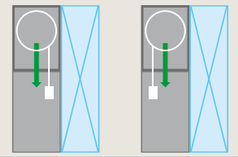
NOTE
- Head box extension not possible with side guiding channel D
- Plaster profile and mounting bracket optional.

Motors:
- *For Somfy Maestria IO the restrictions below apply:
  ZipShade® Medium Slim: width ≥ 63" - height ≤ 110.24"
- Detecto Renson motor Safety First and Somfy Maestria IO: always coupled with 2 motors

IM 7B:
Note that the system must be accessible across the full width from the inside...
- in case of a motor fault while the screen is down. Otherwise the fabric needs to be cut.
- for adjusting the end points in the case of a mechanical motor

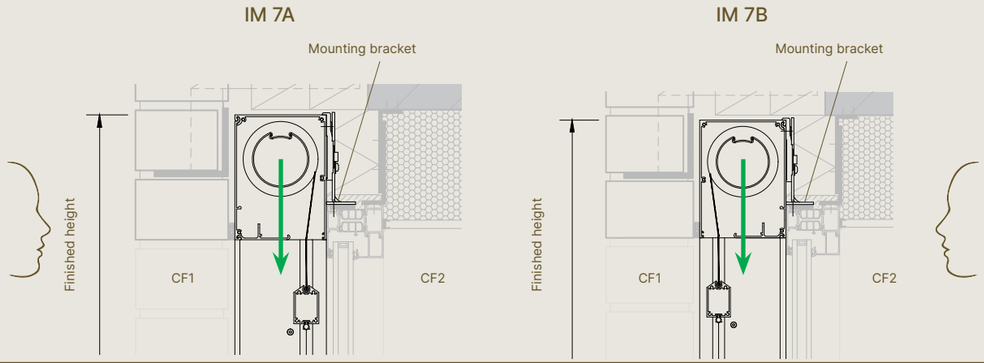


TIP: If a door handle, sliding door handle or fly screen could possibly prevent the free running of the fabric, choose installation method 7B. This ensures the fabric runs away from the window and free running is assured. Note that the system must be accessible across the full width from the inside.

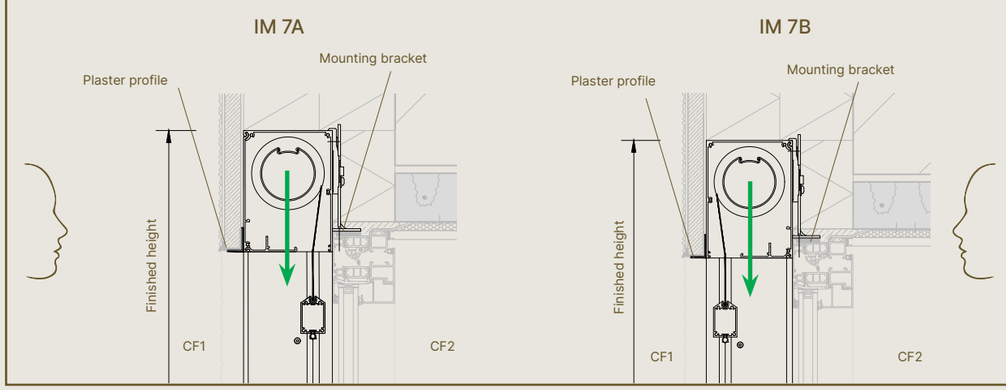


VERTICAL SUN PROTECTION

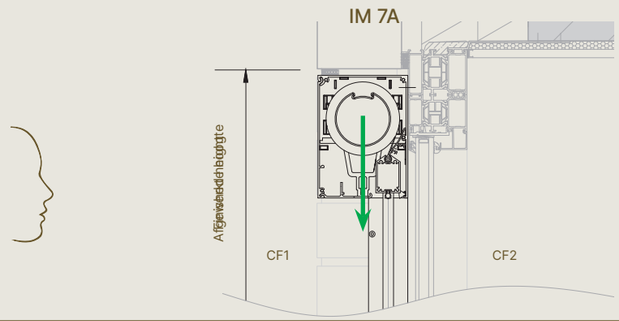
ZipShade® Medium Slim - Drawing recessed masonry



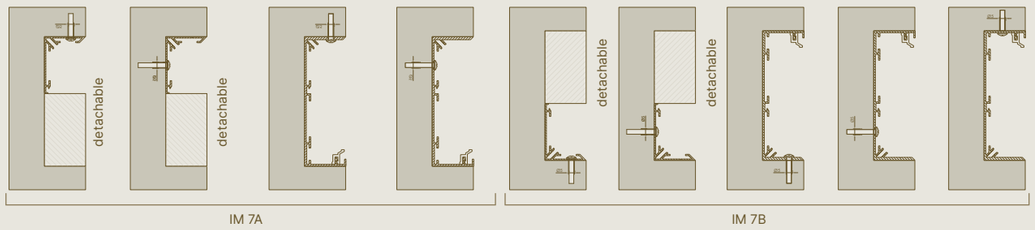
ZipShade® Medium Slim - Drawing recessed plaster



ZipShade® Medium Slim - Drawing surface-mounted masonry

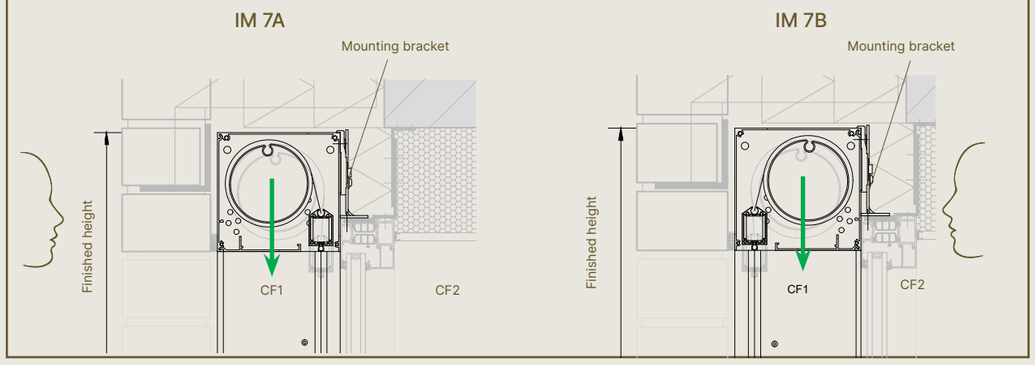


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

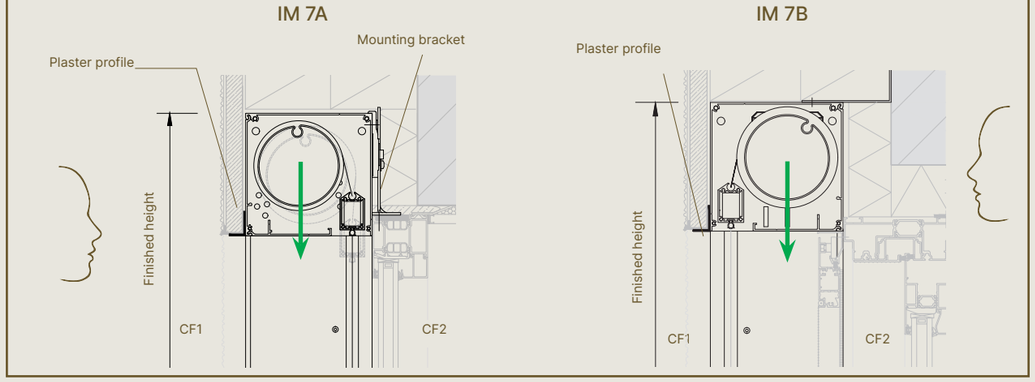


Note: When choosing the narrow side guiding channel G, the customer must foresee something detachable under the head box to disassemble the fabric set underneath (H = min. 26.77").

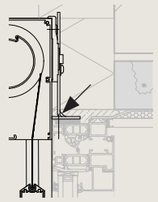
ZipShade® Large - Drawing recessed masonry



ZipShade® Large - Drawing recessed plaster

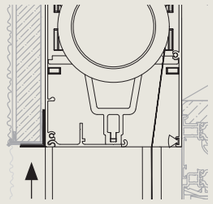


Mounting bracket



Bracket height min. 3.15" - max. 7.28"

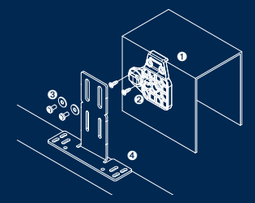
Plaster profile



Plaster profile 0.79" x 1.18" of 1.18" x 1.18"

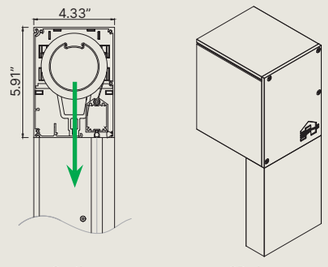
Mounting bracket for rapid installation

The mounting brackets provide a quick, efficient solution for securing screens to any window frame. Thanks to a smart, universal design, these brackets work seamlessly across all screen types, simplifying installation with a single accessory. Discover more at www.renson.eu/fixation-brackets.



Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

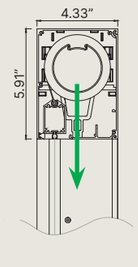
ZipShade® ® Medium Slim - IM 7A - Head box



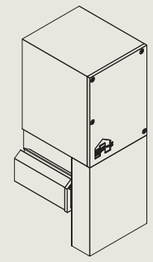
Section

3D view

ZipShade® ® Medium Slim - IM 7B - Head box

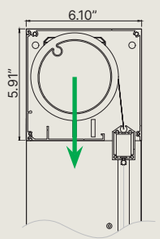


Section



3D view

ZipShade ® Large - IM 7A - Head box



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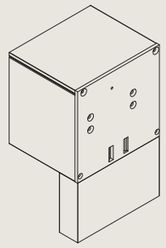
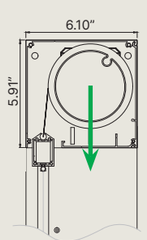


3D view

ZipShade ® Large - IM 7B - Head box



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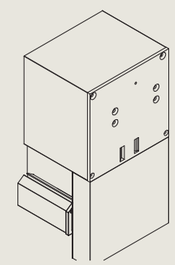
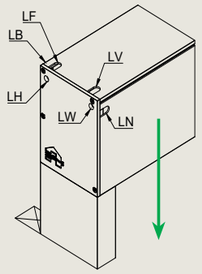
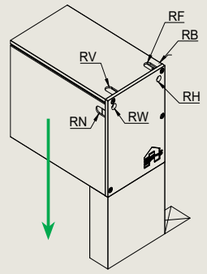


3D view

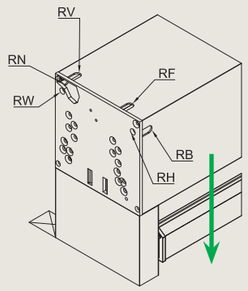
Cable feed - IM 7A

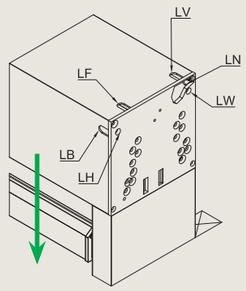




Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

Cable feed - IM 7B

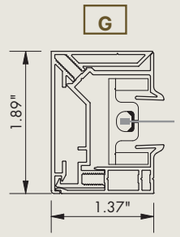




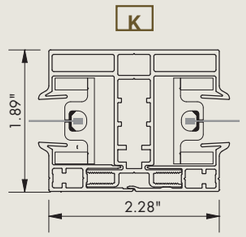
Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
⊠ Window position

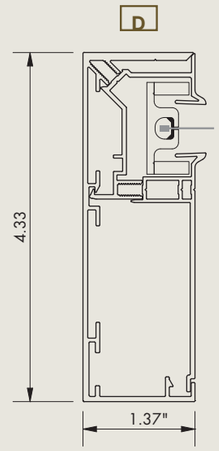
RENSON® ZipShade ® Medium Slim - Side guiding channels



G = closed side guiding channel

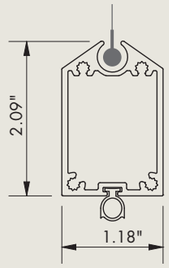


K = coupling side guiding channel*

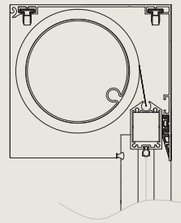


D = deep side guiding channel (standard)

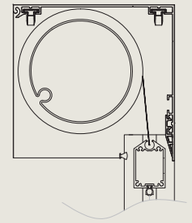
Bottom bar



ZipShade® Large

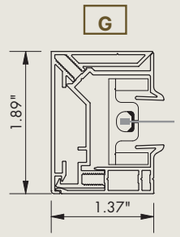


FH ≤110.24"
Bottom bar disappears completely into the head box.

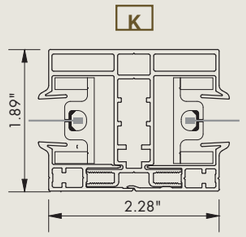


110.24" < FH ≤ 236.22"
Bottom bar partially disappears into the head box

ZipShade ® Large - Side guiding channels

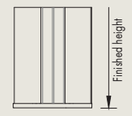


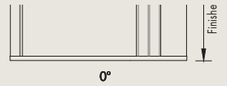
G = closed side guiding channel

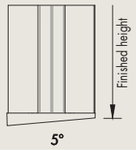


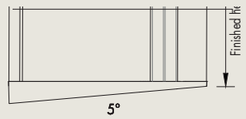
K = coupling side guiding channel*

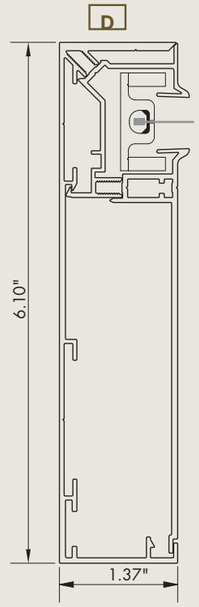
Base plate side guiding channel









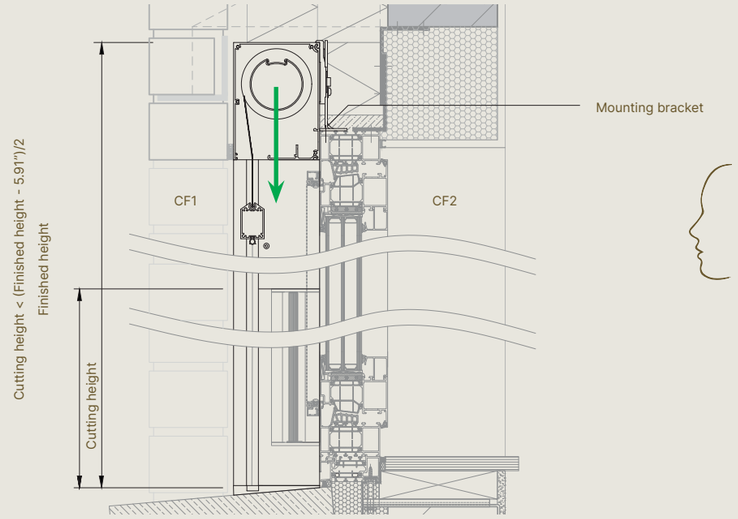


D = deep side guiding channel (standard)

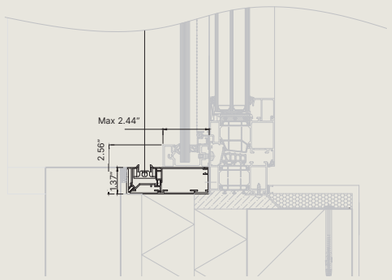
Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
⊠ Window position

*Only possible with IM 7A

ZipShade® Medium Slim - IM 7B - Drawing recessed balustrade

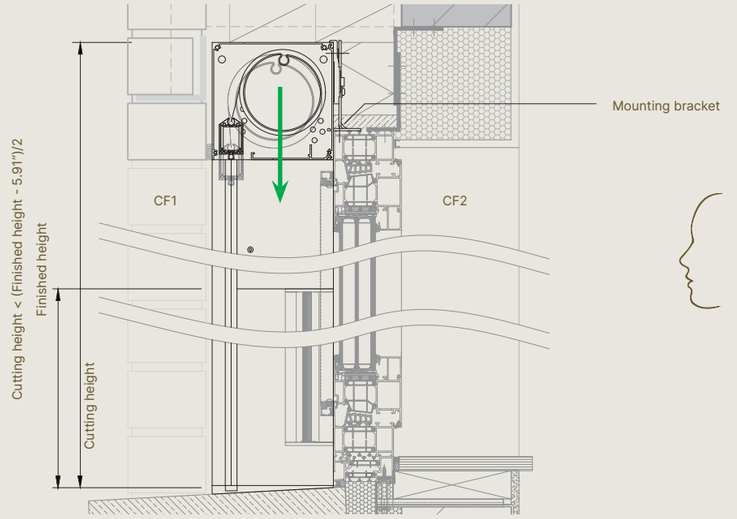


Section



Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

ZipShade® Large - IM 7B - Drawing recessed balustrade



Section

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

With ZipShade® Medium Slim IM 7B and ZipShade® Large IM 7B, a cut can be made in the deep side guiding channel for balustrade installations. This allows for easy removal of the middle and front profiles for service after installation.

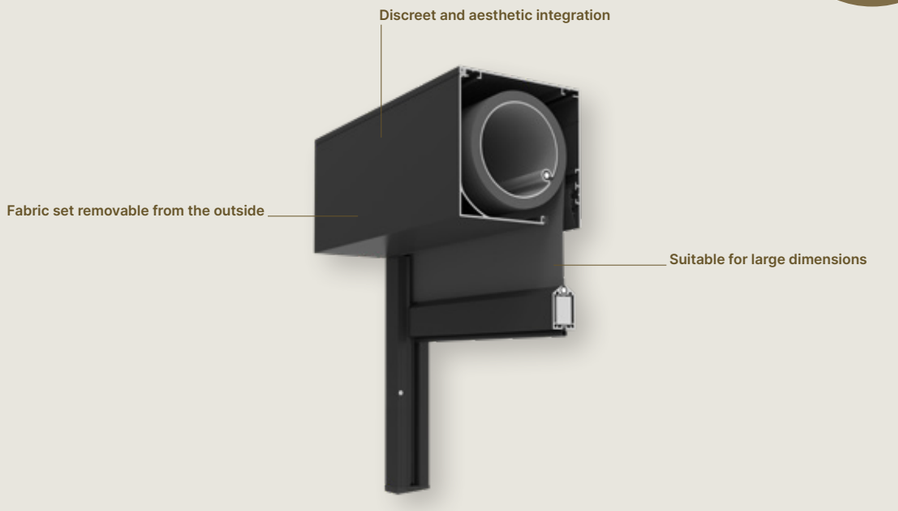
ZIPSHADE®
FREESTANDING

RENSON®

ZIPSHADE®

Freestanding IM 1F

FREESTANDING RETROFIT

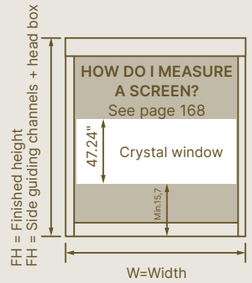


37 mph | SMOOTH TECHNOLOGY | ZIPSHADE TECHNOLOGY | CONNECT & GO

Design	
Head box dimensions (HxD)	5.91” x 6.10"
head box extension	19.69"
Square	✓
Softline	✓
Retractable bottom bar	✓ (to FH ≤231.5")
Recessed fabric tube	✓
Base plate side guiding channel	At a 0° or 5° angle
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	N°113-25809
Guaranteed wind resistance	Up to 37.28 mph in closed position
Control	
Detecto Renson motor Safety First	✓
Somfy mechanical motor	✓
Somfy (Meastria*) RTS radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-2015SC00002
Durability test report	WTCB N°651 XE823 CAR4139

Dimensions		
Single screen		
Fiberglass fabric Sergé / Natté / Privacy Tuffscreen insect mesh	Min. width	35.63"
	Max. width	236.22"
	Max. height	118.11"
	Max. surface area	193.75 ft²

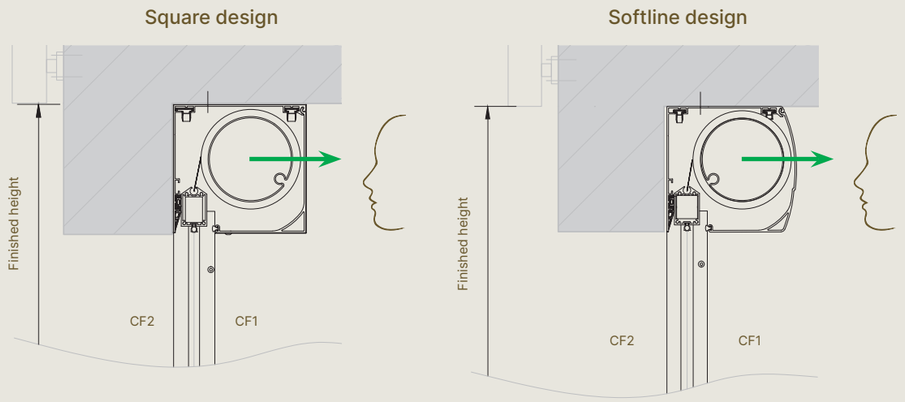
NOTE
- A wind sensor must be used for a finished height > 110.24".
- *For Somfy Maestria IO, the restriction applies: width ≥ 47.24"
- It is recommended that at least two people install the product. Weight: ± 50.71 lbs/win.



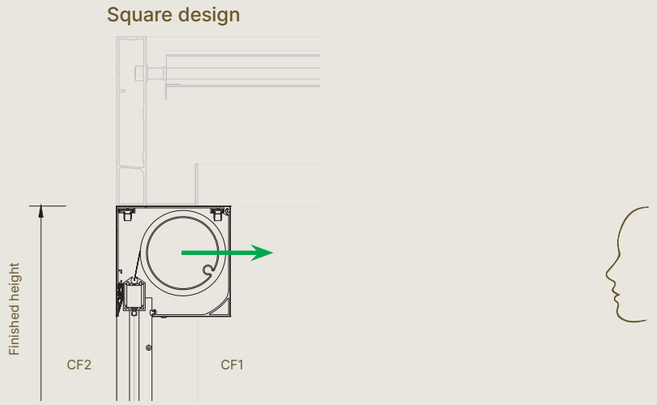
Full-width crystal window option

The crystal window option spans the full width of the screen, allowing for uninterrupted outdoor views. This transparent Crystal fabric, integrated into a ZipShade® fiberglass fabric, enhances visibility while maintaining durability in a freestanding application. The full-width Crystal window has a height of 47.24” and must be positioned with a 15.74” clearance from the bottom of the screen.

Drawing surface-mounted balcony

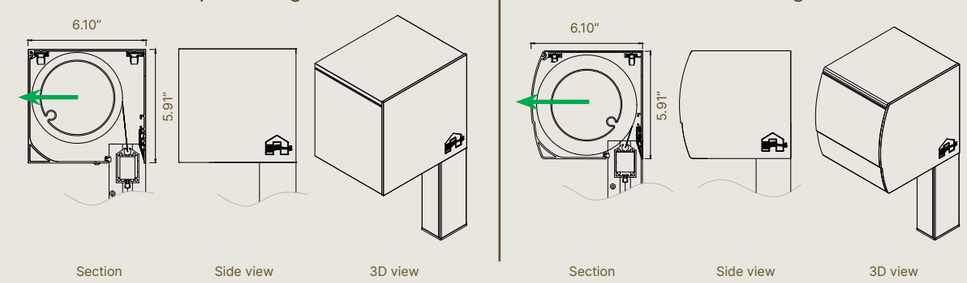


Drawing Algarve

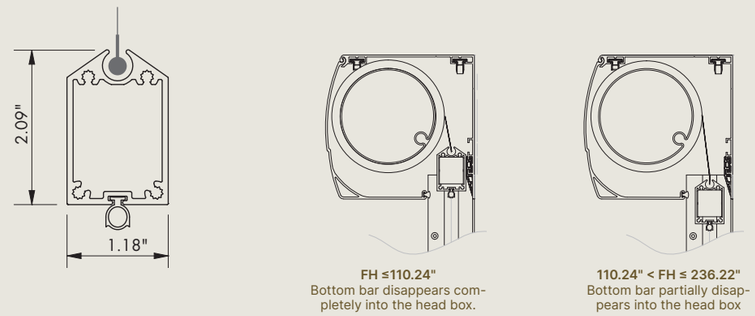


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

Head box



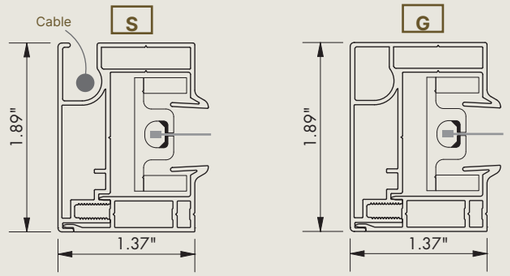
Bottom bar



FH ≤110.24"
Bottom bar disappears completely into the head box.

110.24" < FH ≤ 236.22"
Bottom bar partially disappears into the head box

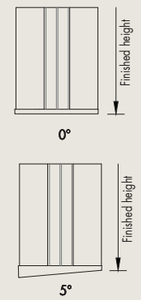
Side guiding channels



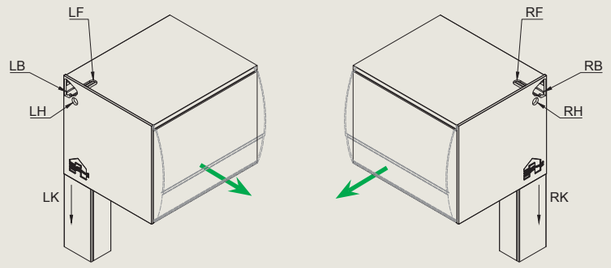
S = open side guiding channel (standard)

G = closed side guiding channel

Base plate side guiding channel



Cable feed



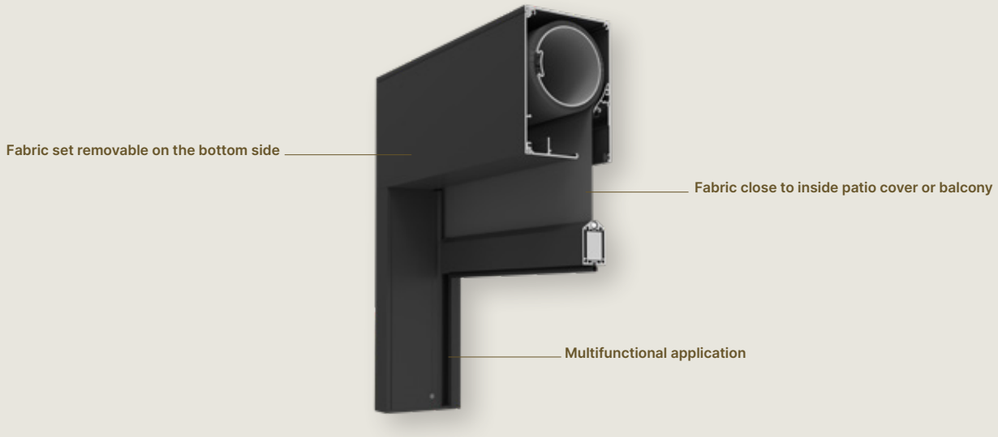
Feed	Feed location
B	rear
F	top
H	side
K	open side guiding channel

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
⊠ Window position

ZIPSHADE®

Freestanding IM 7F

FRONT FREESTANDING CONSTRUCTION



37 mph

SMOOTH TECHNOLOGY

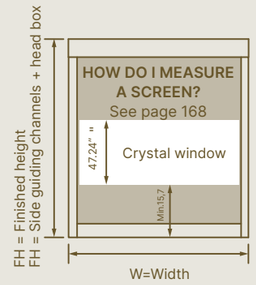
ZIPSHADE TECHNOLOGY

CONNECT & GO

Design	ZipShade® Medium Slim	ZipShade® Large
Head box dimensions (HxD)	5.91” x 4.33”	5.91” x 6.10"
head box extension	19.69"	
Fabric tube with click-profile	✓	
Square	✓	
Softline	-	
Retractable bottom bar	✓	✓ (to FH ≤231.5")
Recessed fabric tube	✓	
Base plate side guiding channel	At a 0° or 5° angle	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 37.28 mph in closed position	
Control		
Detecto Renson motor Safety First	✓	
Somfy mechanical motor	✓	
Somfy (Meastria*) RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		ZipShade® Medium Slim	ZipShade® Large
Single screen			
Fiberglass fabric Sergé / Natté Soltis Veozip polyester fabric Tuffscreen insect mesh	Min. width	39.37"	35.79"
	Max. width	236.22"	236.22"
	Max. height	110.24"	118.11"
	Max. surface area	180.83 ft²	193.75 ft²
Privacy fiberglass fabric	Min. width	39.37"	-
	Max. width	177.17"	-
	Max. height	110.24"	-
	Max. surface area	135.63 ft²	-

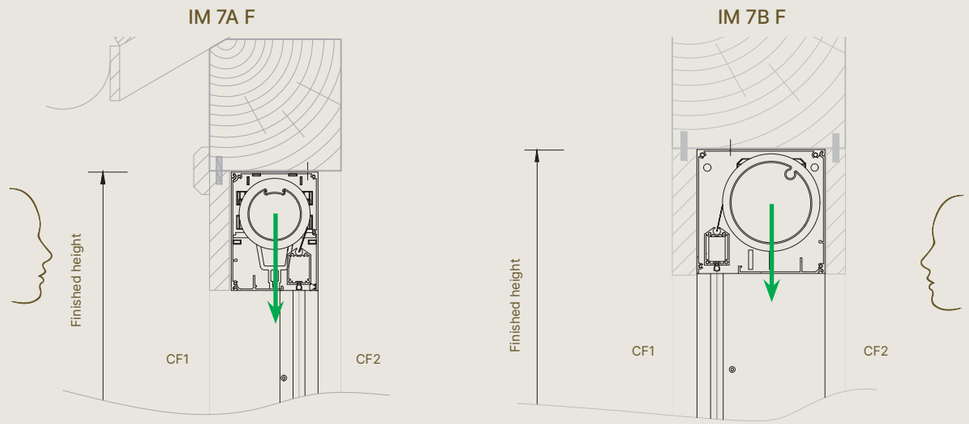
NOTE
- ZipShade® Large: The product requires at least two people for installation. Weight: ± 50.71 lbs/win.
- Head box extension not possible with side guiding channel D
- Plaster profile is optional
- ZipShade® Medium Slim F: Crystal window in the full width can be applied up to a maximum system width of 177.17".
- A wind sensor must be used for a finished height > 110.24".
- *For Somfy Maestria IO the restrictions below apply: ZipShade® Medium Slim: Width ≥ 47.24" - Height ≤ 110.24" ZipShade® Large: Width ≥ 47.24"
- Joining is not possible



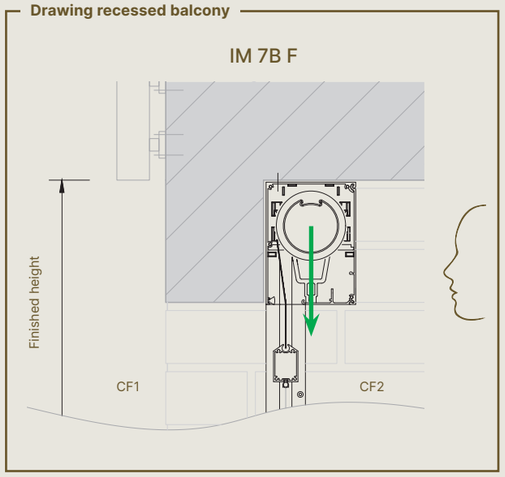
Full-width crystal window option

The crystal window option spans the full width of the screen, allowing for uninterrupted outdoor views. This transparent Crystal fabric, integrated into a ZipShade® fiberglass fabric, enhances visibility while maintaining durability in a freestanding application. The full-width Crystal window has a height of 47.24” and must be positioned with a 15.74” clearance from the bottom of the screen.

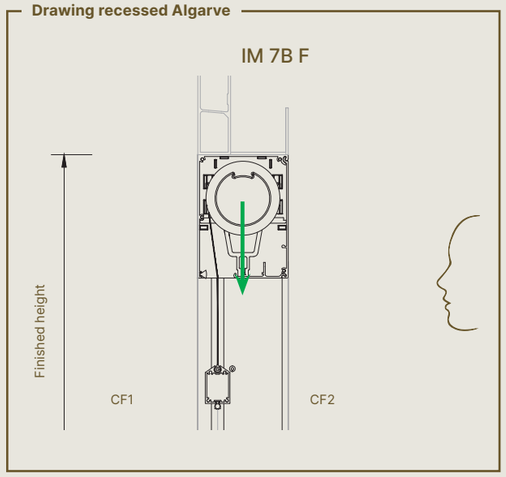
Drawing recessed wood patio cover



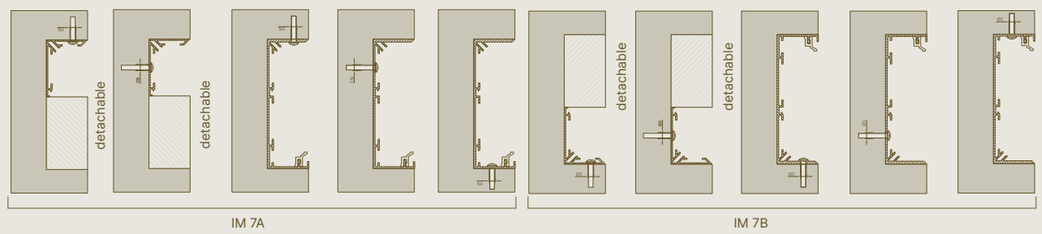
Drawing recessed balcony



Drawing recessed Algarve

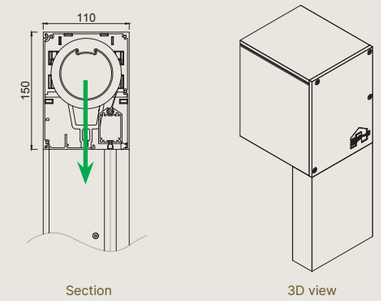


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

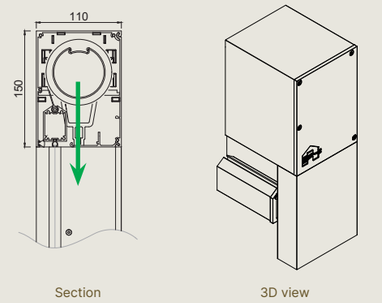


Note: When choosing the narrow side guiding channel G, the customer must foresee something detachable under the head box to disassemble the fabric set underneath (H = min. 26.77").

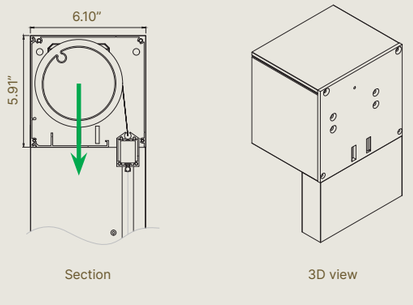
ZipShade® Medium Slim - IM 7A F - Head box



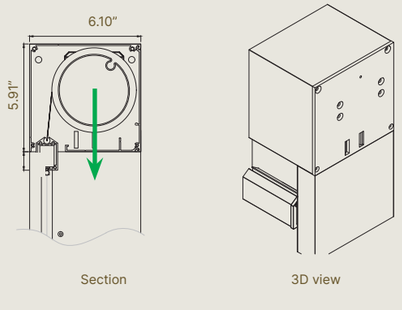
ZipShade® Medium Slim - IM 7B F - Head box



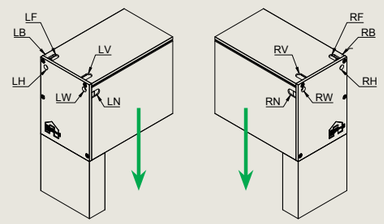
ZipShade® Large - IM 7A F - Head box



ZipShade® Large - IM 7B F - Head box

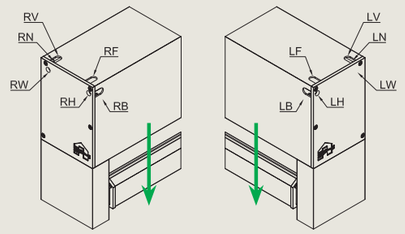


Cable feed - IM 7A F



Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

Cable feed - IM 7B F

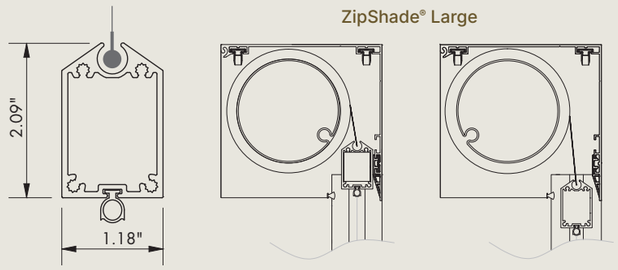


Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
⊠ Window position

Bottom bar

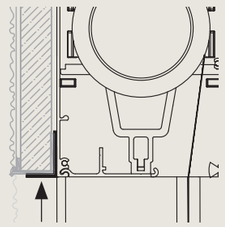
ZipShade® Large



FH ≤110.24"
Bottom bar disappears completely into the head box.

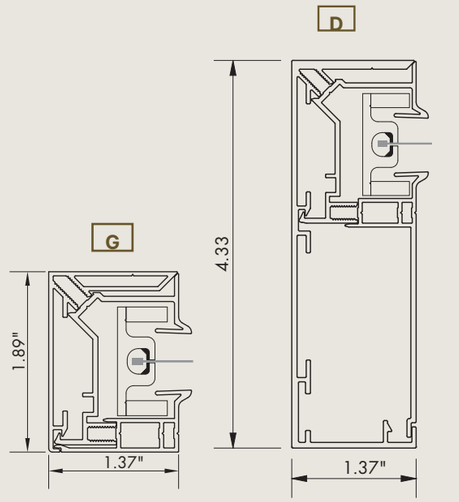
110.24" < FH ≤ 236.22"
Bottom bar partially disappears into the head box

Plaster profile



Plaster profile 0.79" x 1.18" or
1.18" x 1.18"

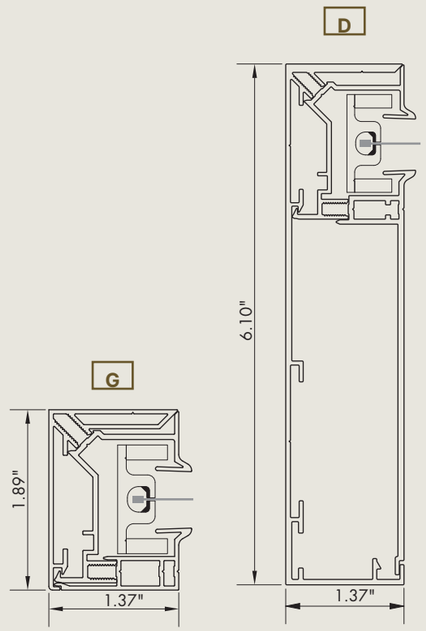
ZipShade® Medium Slim - Side guiding channels



G = closed side guiding channel

D = deep side guiding channel (standard)

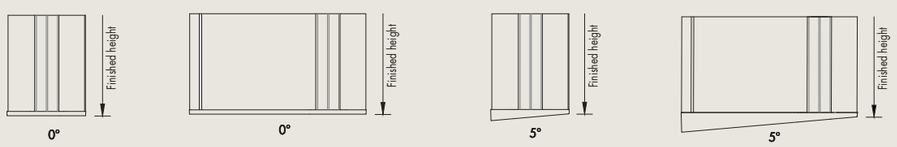
ZipShade ® Large - Side guiding channels



G = closed side guiding channel

D = deep side guiding channel (standard)

Base plate side guiding channel



Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
☒ Window position

RENSON®

VERTICAL SUN PROTECTION

ZIPSHADE® MINIMAL

Renson, a leader in wind-resistant sun screens capable of withstanding winds up to 80.78 mph, introduces the ZipShade® Minimal, setting a new standard in discreet, resilient design. The ZipShade® Minimal is engineered for renovations and retrofits, with every component – from the head box and side guiding channels to the fabric set and tensioning – meticulously refined to achieve an ultra-compact, seamlessly integrated installation.

Maximum possibilities with minimum impact
Minimum head box size with limited depth to fit

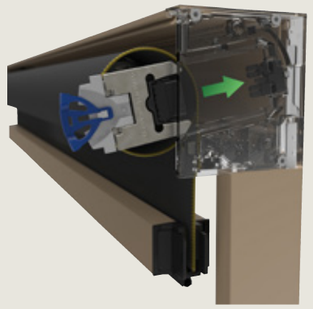
Super-thin 0.79" side guiding channel
Extensive range of side guiding channels for window type, view width limited to 0.79"

High-end design
Screwless and with a powder-coated aluminum inner rail

Aesthetic connection to a sill
Powder-coated base plate of 0° or 5° for seamless connection to the sill

Minimalist bottom bar
The small bottom bar with a height of 1.38" also has an invisible integrated welded seam

Wide range of RAL and fabric colors



FABRIC SET INSTALLATION

Thanks to the ZipShade® Minimal **Connect&Go technology**, installing the fabric set is now even faster and safer. The integration of the **Click&Safe Technology** ensures the fabric set can be clicked into the head box without screws so the installer has their hands free to complete the installation safely.

CONNECT & GO

CLICK & SAFE

SMOOTH TECHNOLOGY

This aluminum zipper guide also features the unique, successful **Smooth Technology** formula. This ensures the zipper glides silently into the guide that, in combination with the **Zipshade® Technology** guarantees high, long-term wind resistance.

SMOOTH TECHNOLOGY

ZIPSHADE TECHNOLOGY

EXTREME HIGH WIND GUARANTEE

In addition to the wind warranty on standard applications for up to 80.78 mph in closed position, there is also a high winds warranty of up to 62.14 mph for freestanding applications. What better way to enjoy your patio or balcony while being shielded from the wind and sun?

MINIMUM IMPACT ON THE ARCHITECTURE

With its compact fabric box, the ZipShade® Minimal offers a discreet installation, suitable for both surface-mounted (IM 1) and recessed (IM 7) setups. The sleek, square design of the head box minimizes architectural impact:

- The “small” head box is 3.54” deep, accommodating screens up to 107.64 ft².
- The “medium” head box is 4.33” deep, suitable for screens up to 193.75 ft².

Alongside the head box, both the side guiding channels and bottom bar feature a slimmer profile. The side guiding channels boast a narrow view width of just 0.79”, a market-unique feature, while the bottom bar has been streamlined to a height of only 1.38”.

ZipShade® Minimal IM1 Small

ZipShade® Minimal IM 7 Small

TIP: ZipShade® Minimal can also be perfectly and discreetly concealed inside, in combination with the quiet Sonesse motor.

EASE OF INSTALLATION

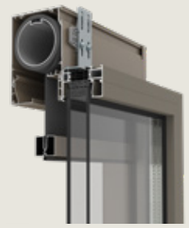
This new product range prioritizes ease of installation across various configurations:

- Surface-mounted installation: The head box can be easily mounted using a hook profile, while for recessed installations, it can be secured with a mounting bracket, making both methods quick and simple.
- Recessed installation (1.57” in front of the window): The Medium head box can attach to the **M.W+ base box**, offering a seamless solution for minimalist windows with typical reinforcement profiles.
- Freestanding applications: A fill profile provides a refined finish for the head box, enhancing aesthetics.

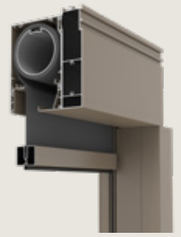
For added convenience, the head box connects to the side guiding channel with an adjustable pin, and the guiding channels come pre-drilled for easy attachment to the window. The bottom bar now detaches from the fabric, reducing weight during installation or simplifying removal. Additionally, a new detachable click-profile on the fabric tube minimizes horizontal lines on the fabric, allowing for quick and straightforward fabric removal.

Hook profile

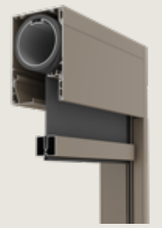
Mounting bracket



Base box M.W+

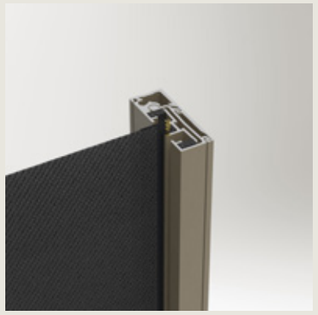


Fill profile



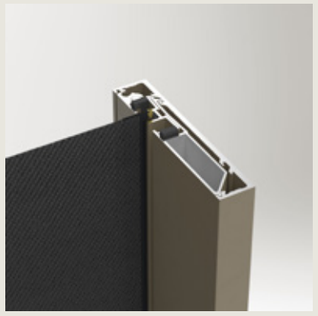
A GUIDING FOR EVERY APPLICATION

The ZipShade® Minimal range offers a variety of side guiding channels compatible with all window types:
XS-Side Guiding Channel: Ultra-slim at 0.79” x 2.17”, perfect for both surface-mounted and recessed setups on traditional and slim window frames.



XS-side guiding channel

The deep recessed side guiding channel (**S/M/L**) is mainly used in freestanding applications. This type is matched to the depth of the corresponding head box and is installed **sideways** to the structure.

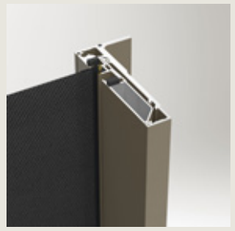


M side guiding channel

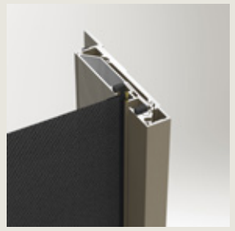
In addition, the ZipShade® Minimal IM 7 application includes two side guiding channel types for **window frame mounting**:

- Window Front (.WF): For front mounting to the window frame.
- Window Side (.WS): For side mounting to the window frame.

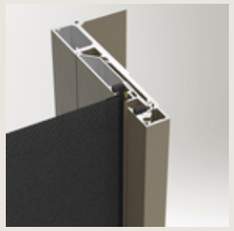
These guiding channels are available for all head box sizes (**S.WF/S.WS – M.WF/M.WS**) and as expanded versions with the M.W+ base box (**M.WF+/M.WS+**). Each side guiding channel includes an integrated rubber detail, ensuring a rainproof seal with the window.



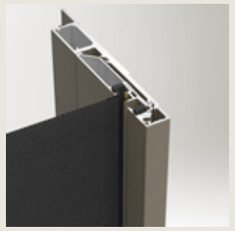
M.WF side guiding channel



M.WS side guiding channel

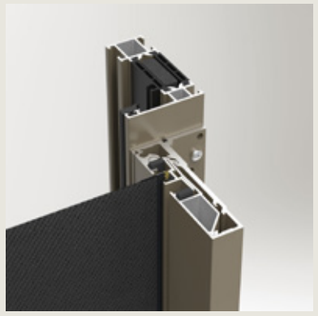


M.WF+ side guiding channel

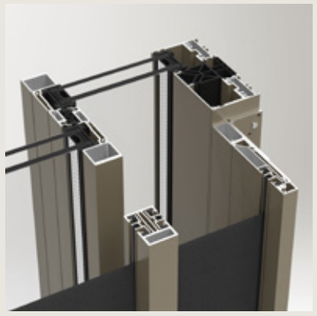


M.WS+ side guiding channel

The window type determines whether side or front mounting is the best choice. The **.WF side guiding channels** will now be a perfect combination with minimalist window frames, as well as wider standard window frames.

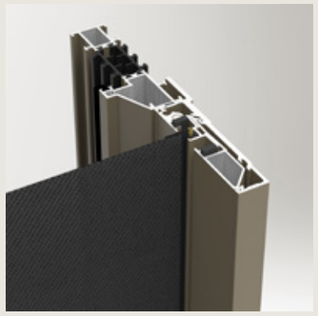


S.WF in combination with a fixed window

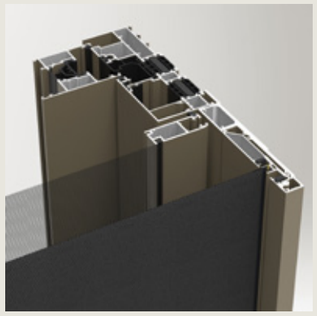


M.WF+ in combination with C.F and a minimalist window

The **.WS guiding channels** are ideally suited for slim, steel-look windows, modern narrow sliding windows, and minimalist windows, including setups with sliding insect screens. They also seamlessly integrate with Invisivent window louvers. For added convenience, the guiding channels come pre-drilled to streamline installation and save time.



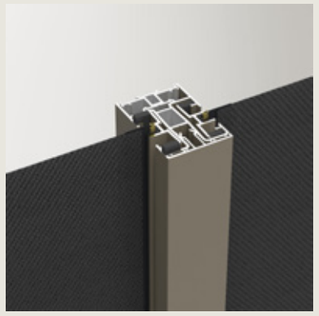
S.WS in combination with a steel look window



M.WS+ in combination with a sliding window and sliding screen

The range is completed with a coupling side guiding channel, the C.40.

- The **C.40** coupling side guiding channel is installed on the window frame and allows two screens to be coupled together, with a maximum overall width of 32.81'. Application in IM1 or IM 7A.



C.40 - Coupling side guiding channel for IM 7A

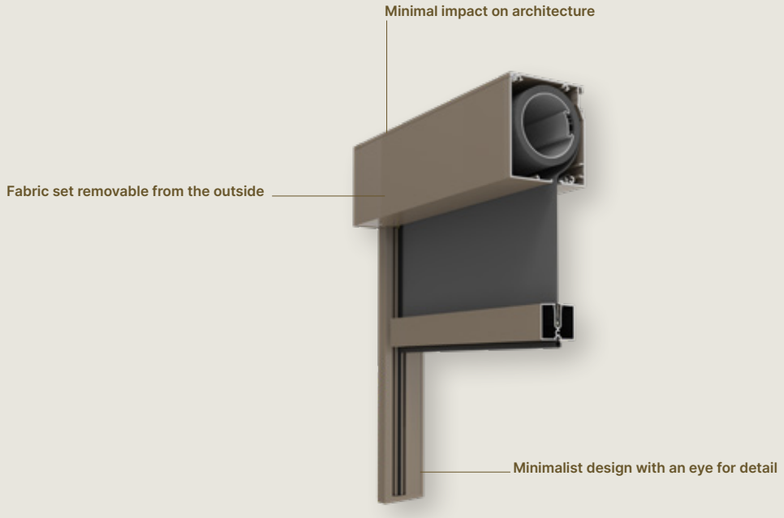
ZIPSHADE® MINIMAL SURFACE-MOUNTED

RENSON®

ZIPSHADE® MINIMAL

Surface-mounted IM 1

RETROFIT

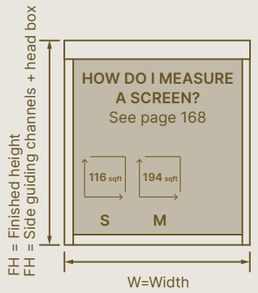


Dimensions		Small		Medium	
Single screen					
Fiberglass fabric Sergé / Natté / Privacy	Min. width Somfy RTS	35.43"		35.43"	
	Min. width Detecto	26.38"		26.38"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.42"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²
Tuffscreen insect mesh	Min. width Somfy RTS	35.43"		35.43"	
	Min. width Detecto	26.38"		26.38"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.42"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²
Blackout fiber-glass fabric Satiné 21154	Min. width Somfy RTS	35.43"		35.43"	
	Min. width Detecto	26.38"		26.38"	
	Max. width	125.98"		157.48"	
	Max. height	98.42"		157.48"	
	Max. surface area	86.11 ft²		172.22 ft²	
Linked screens					
The dimensions of a single screen also apply to an interconnected screen. Maximum total width of 32.81 ft.					

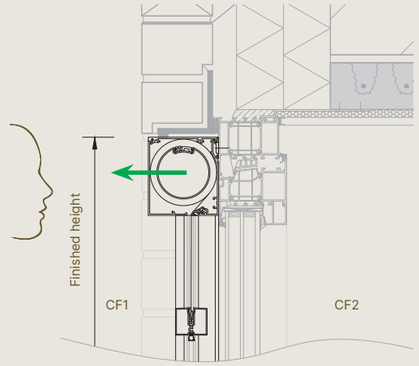
NOTE
Fixation:
- Small head box does not need to be secured.
- Medium head box must be secured centrally starting from a width > 141.74"

80 mph | SMOOTH TECHNOLOGY | ZIPSHADE TECHNOLOGY | CONNECT & GO | CLICK & SAFE

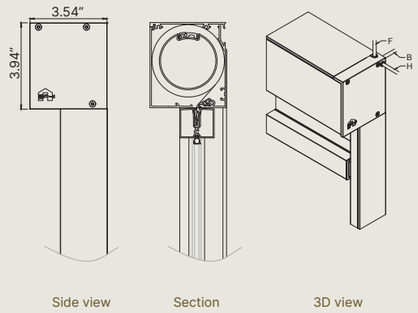
Design	Small	Medium
Head box dimensions (HxD)	3.94" x 3.54"	4.72" x 4.33"
Head box extension	-	
Square	✓	
Retractable bottom bar	-	
Base plate side guiding channel	Lacquered aluminum 0° or 5°	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	WTT17-003	
Guaranteed wind resistance	Up to 80.78 mph in closed position depending on dimensions	
Control		
Somfy RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00006	



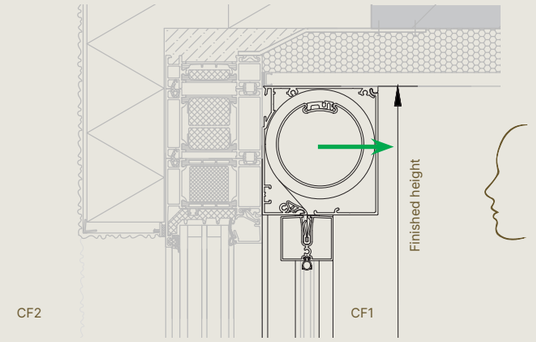
Small - Drawing surface-mounted masonry



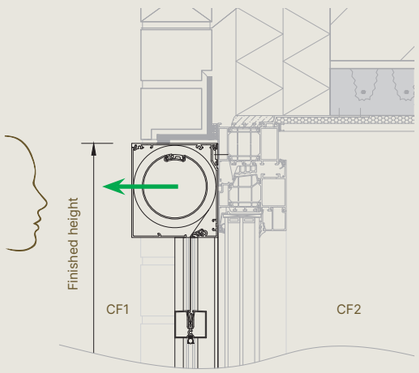
Small - Head box



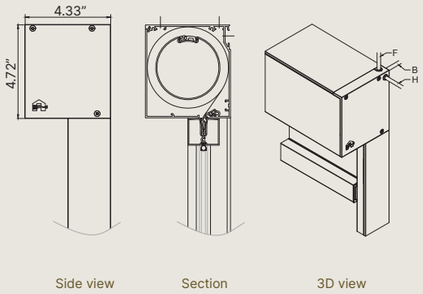
Small - Drawing surface-mounted indoor application



Medium - Drawing surface-mounted masonry



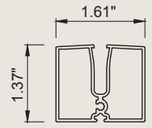
Medium - Head box



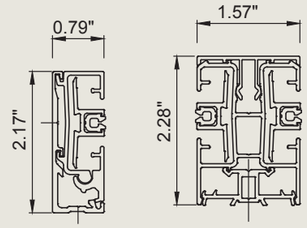
Hook profile

0.2" extra required for hook-in

Bottom bar



Side guiding channels

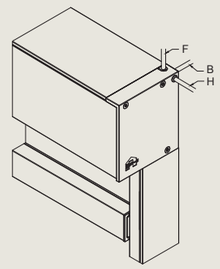


XS

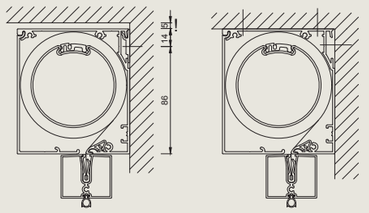
C.40
Coupling side guiding channel

Base plate side guiding channel

Cable feed B/F/H



Feed	Feed location
B	rear
F	top
H	side



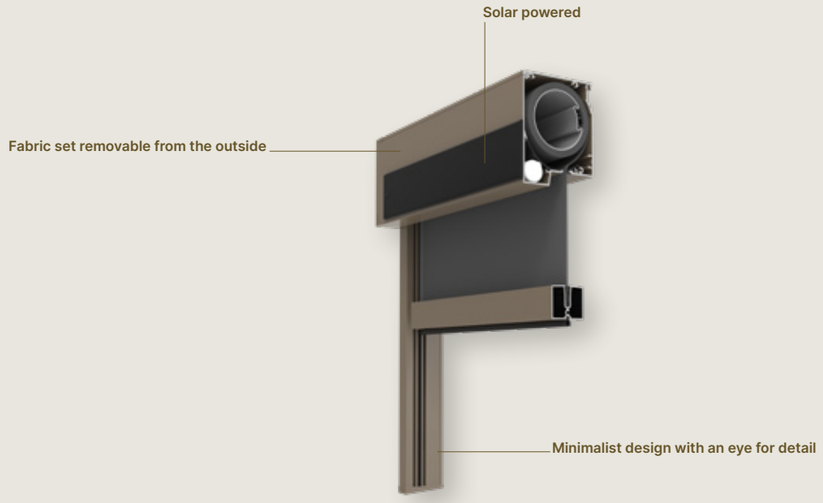
Hook profile

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
Make sure you use the correct viewing direction in indoor applications.

ZIPSHADE® MINIMAL SOLAR

Surface-mounted IM 1

RETROFIT



80 mph

SMOOTH TECHNOLOGY

ZIPSHADE TECHNOLOGY

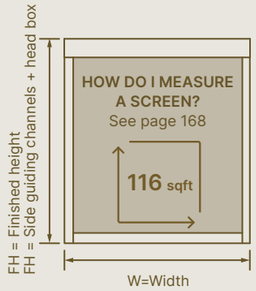
CONNECT & GO

CLICK & SAFE

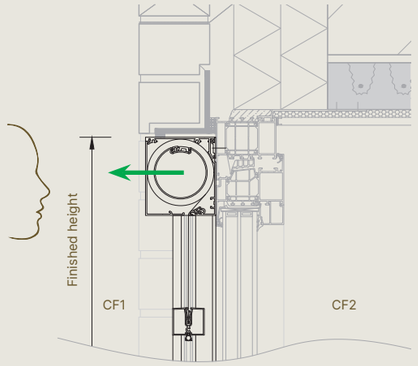
Design	Small
Head box dimensions (HxD)	4.52” x 3.54"
Head box extension	-
Square	✓
Retractable bottom bar	-
Base plate side guiding channel	Lacquered aluminum 0° or 5°
Fabric tube with click-profile	✓
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	WTT236.81-001
Guaranteed wind resistance	Up to 80.78 mph in closed position
Control	
Somfy radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-2015SC00006

Dimensions		Small	
Single screen			
Fiberglass fabric Sergé / Natté / Privacy Tuffscreen insect mesh	Min. width Somfy	29.53”	
	Max. width	157.48"	125.98"
	Max. height	98.42”	118.11"
	Max. surface area	107.64 ft²	103.33 ft²
Blackout fiberglass fabric Satiné 21154	Min. width Somfy	29.53”	
	Max. width	125.98"	
	Max. height	98.42”	
	Max. surface area	86.11 ft²	
Linked screens			
The dimensions of a single screen also apply to an interconnected screen. Maximum total width of 32.81 ft.			

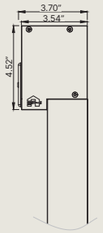
NOTE
Fixation:
- Small head box does not need to be secured.



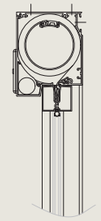
Small - Drawing surface-mounted masonry



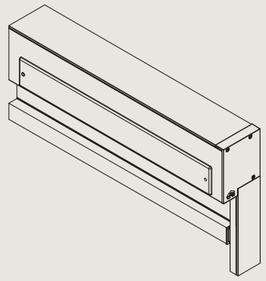
Small - Head box



Side view



Section



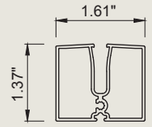
3D view

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
Make sure you use the correct viewing direction in indoor applications.

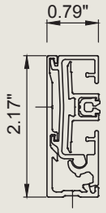
Hook profile

0.2" extra required for hook-in

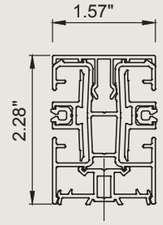
Bottom bar



Side guiding channels

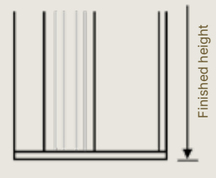


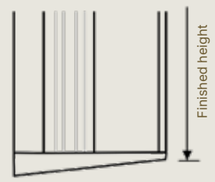
XS



C.40
Coupling side guiding channel

Base plate side guiding channel





ZIPSHADE® MINIMAL RECESSED

reddot winner 2022

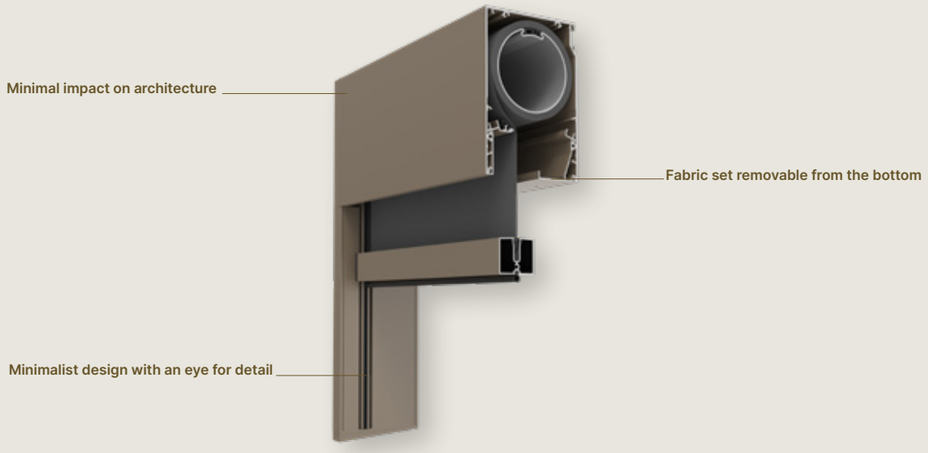
RENSON®

ZIPSHADE® MINIMAL

NEW BUILDS AND MAJOR RENOVATIONS

Recessed in front of the window IM 7

Installation method **7A**, fabric close to the window
Installation method **7B**, fabric away from the window
Combines perfectly with insect screens, door handles, and more.

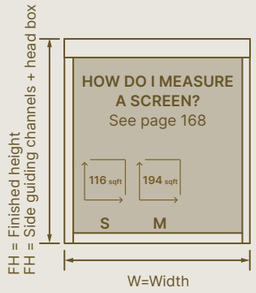


80 mph | SMOOTH TECHNOLOGY | ZIPSHADE TECHNOLOGY | CONNECT & GO | CLICK & SAFE

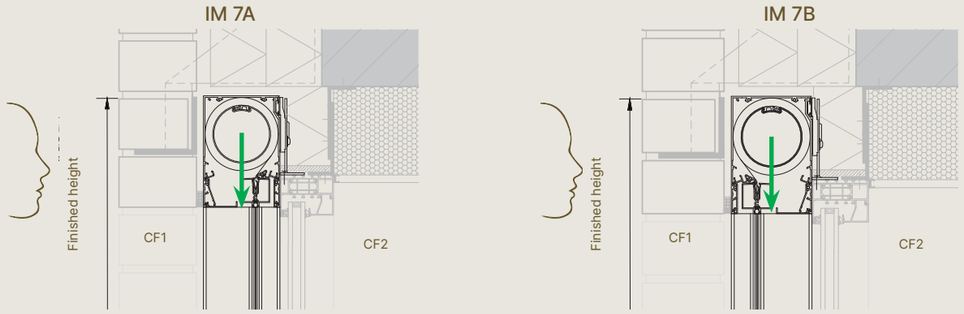
Design	Small	Medium
Head box dimensions (HxD)	5.51″ x 3.54"	6.30″ x 4.33"
Head box extension	-	
Square	✓	
Retractable bottom bar	✓	
Base plate side guiding channel	Lacquered aluminum 0° or 5°	
Fabric tube with click-profile	✓	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	WTT17-001	
Guaranteed wind resistance	Up to 80.78 mph in closed position	
Control		
Somfy RTS radio-controlled motor*	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00006	

Dimensions		Small		Medium	
Single screen					
Fiberglass fabric Sergé / Natté / Privacy	Min. width Somfy RTS	35.43"		35.43"	
	Min. width Detecto	26.38"		26.38"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.43"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²
Tuffscreen insect mesh	Min. width Somfy RTS	35.43"		35.43"	
	Min. width Detecto	26.38"		26.38"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.43"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²
Blackout fiberglass fabric Satiné 21154	Min. width Somfy RTS	35.43"		35.43"	
	Min. width Detecto	26.38"		26.38"	
	Max. width	125.98"		157.48"	
	Max. height	98.43"		157.48"	
	Max. surface area	86.11 ft²		172.22 ft²	
Linked screens IM 7A					
The dimensions of a single screen also apply to an interconnected screen. Maximum total width of 32.81 ft.					

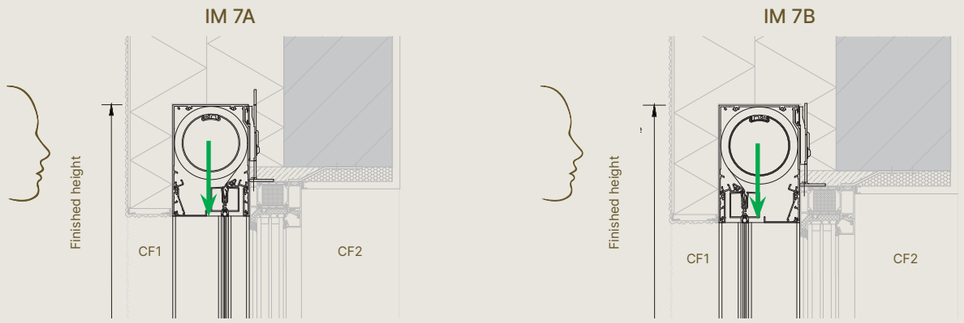
NOTE
Installation:
- Small head box does not need to be secured.
- Medium head box must be secured centrally starting from a width > 141.73"



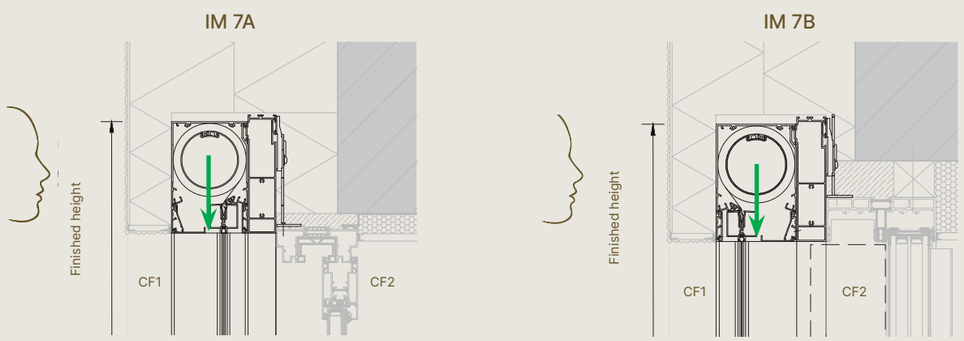
Medium - Drawing recessed masonry



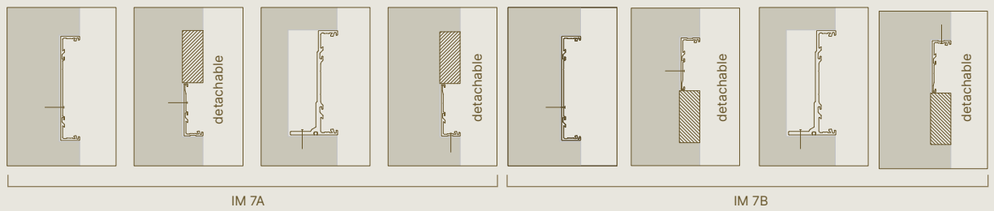
Medium - Drawing recessed plaster



Medium - Drawing recessed plaster - Base box M.W+

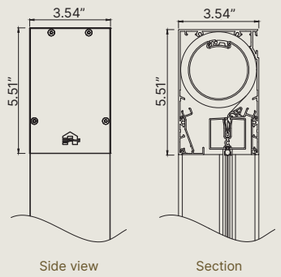


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

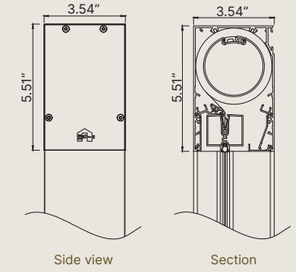


Note: When choosing the narrow side guiding channel XS, the customer must foresee something detachable under the head box in order to be able to disassemble the fabric set underneath (H = min. 26.77").

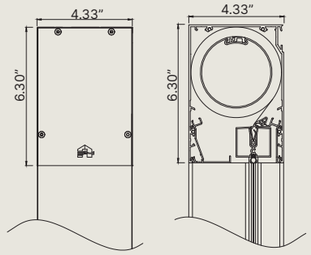
Small - IM 7A - Head box



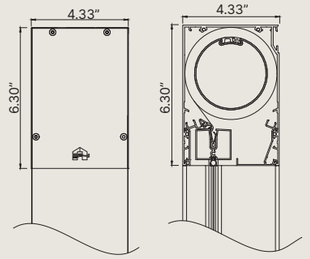
Small - IM 7B - Head box



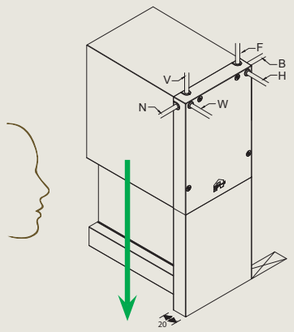
Medium - IM 7A - Head box



Medium - IM 7B - Head box

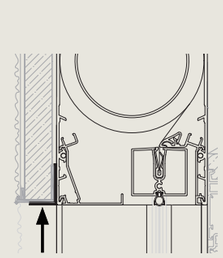


Cable feed



Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

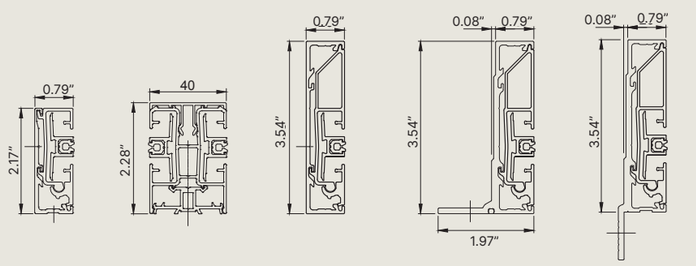
Plaster profile



Plaster profile 0.79" x 1.18"
or 1.18" x 1.18"

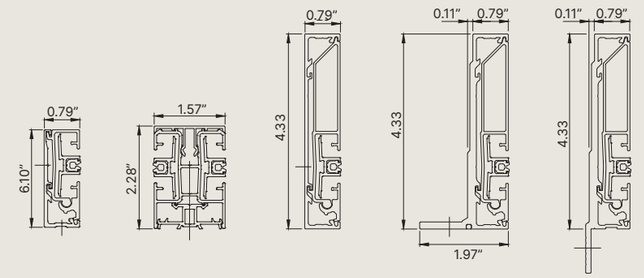
Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
☒ Window position

Small - Side guiding channels



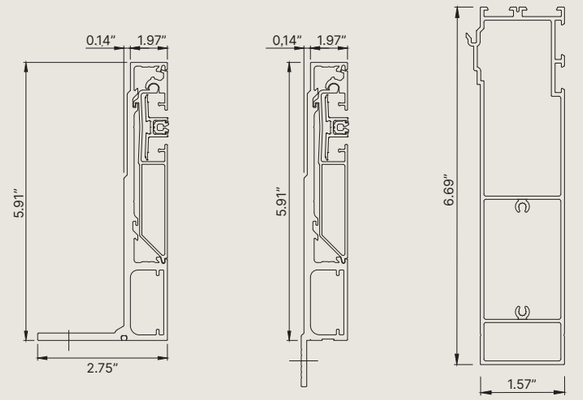
XS **C.40*** **S** Sideways mounting **S.WF** Front mounting to the window **S.WS** Sideways mounting to the window

Medium - Side guiding channels



XS **C.40*** **M** Sideways mounting **M.WF** Front mounting to the window **M.WS** Sideways mounting to the window

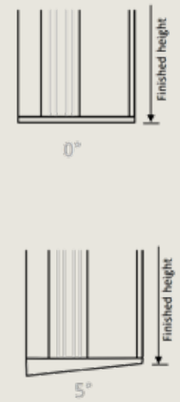
Medium - Extra 1.57"



M.WF+ Front mounting to the window **M.WS+** Sideways mounting to the window Base box **M.W+**

Facilitates installation if the product is to be installed 1.57" in front of the window

Base plate side guiding channel



Side guiding channel M.WF+ / M.WS+ only 0° possible

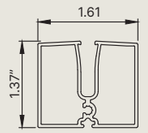
Mounting bracket

Bracket height min. 3.15" - max. 7.28"

Hook profile

3 pieces per screen.
0.2" extra needed for hooking.

Bottom bar



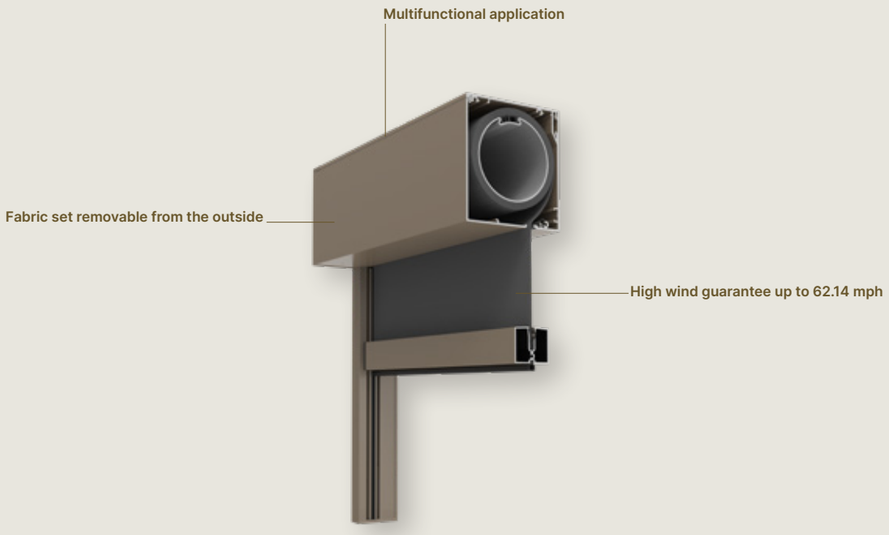
ZIPSHADE® MINIMAL FREESTANDING

RENSON®

ZIPSHADE® MINIMAL

Freestanding IM 1F

FREESTANDING RETROFIT

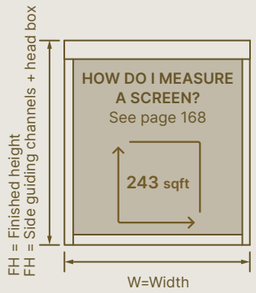


62 mph | SMOOTH TECHNOLOGY | ZIPSHADE TECHNOLOGY | CONNECT & GO | CLICK & SAFE

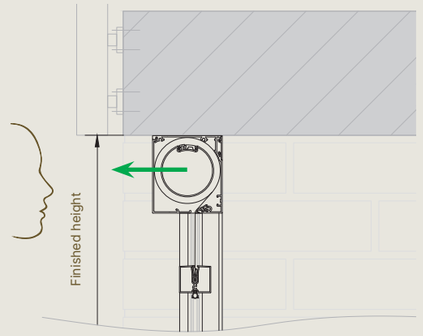
Design	Small	Medium
Head box dimensions (HxD)	3.94" x 3.54"	4.72" x 4.33"
Head box extension	-	
Square	✓	
Retractable bottom bar	-	
Base plate side guiding channel	Lacquered aluminum 0° or 5°	
Fabric tube with click-profile	✓	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	WTT117-003	
Guaranteed wind resistance	Up to 62.14 mph in closed position	
Control		
Somfy RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00006	

Dimensions		Small		Medium	
Single screen					
Fiberglass fabric Sergé / Natté / Privacy	Min. width	35.43"		35.43"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.43"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²
Tuffscreen insect mesh	Min. width	35.43"		35.43"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.43"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²

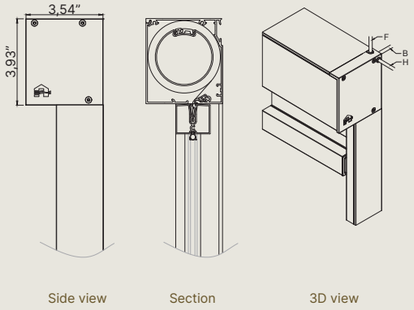
NOTE
Installation:
- Small head box does not need to be secured.
- Medium head box must be secured centrally starting a width > 141.73"



Small - Drawing surface-mounted balcony

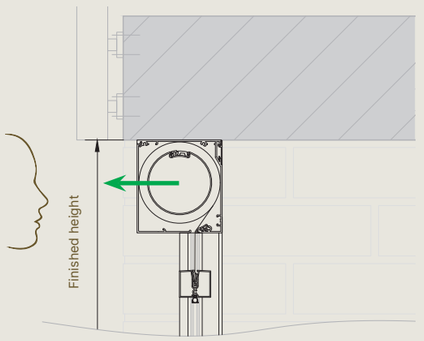


Small - Head box

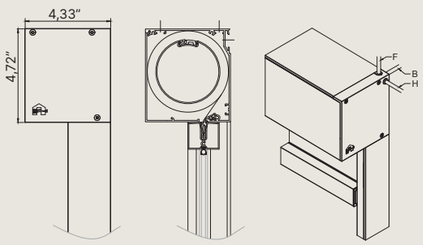


Side view Section 3D view

Medium - Drawing surface-mounted balcony



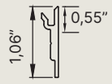
Medium - Head box



Side view Section 3D view

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed
Make sure you use the correct viewing direction in indoor applications.

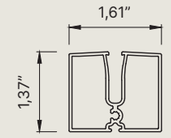
Hook profile



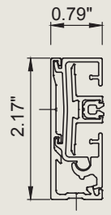
0.2" extra required for hook-in

Fill profile

Bottom bar

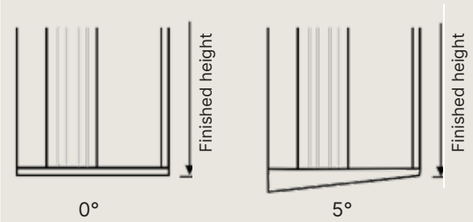


Side guiding channels

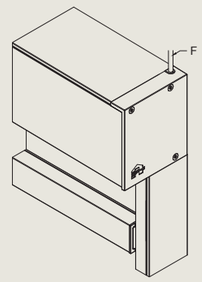


XS

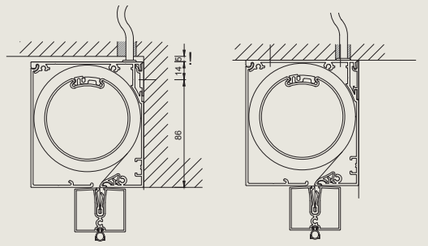
Base plate side guiding channel



Cable feed F

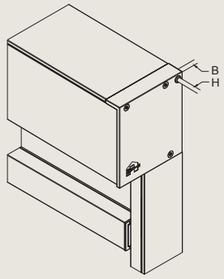


Feed	Feed location
F	top

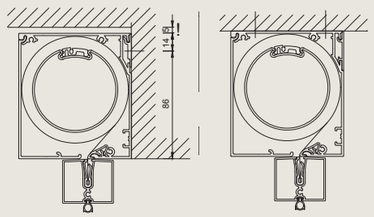


Hook profile Finishing profile

Cable feed B/H



Feed	Feed location
B	rear
H	side

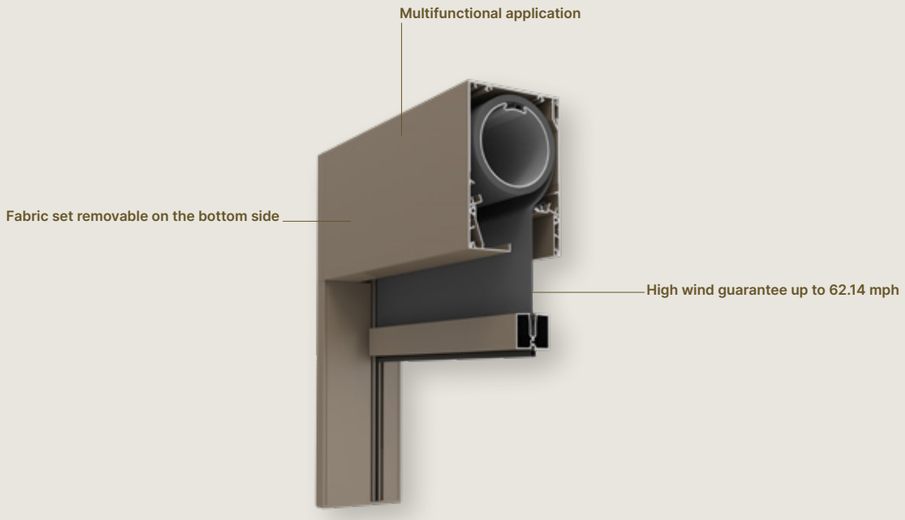


Hook profile Finishing profile

ZIPSHADE® MINIMAL

Freestanding IM 7 F

FREESTANDING
RECESSED

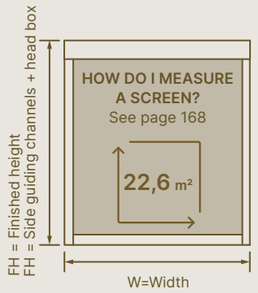


62 mph | SMOOTH TECHNOLOGY | ZIPSHADE TECHNOLOGY | CONNECT & GO | CLICK & SAFE

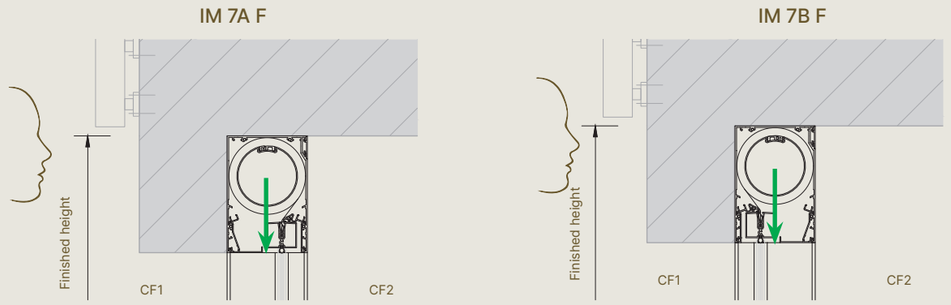
Design	Small	Medium
Head box dimensions (HxD)	5.51" x 3.54"	6.30" x 4.33"
Head box extension	-	
Square	✓	
Retractable bottom bar	✓	
Base plate side guiding channel	Lacquered aluminum 0° or 5°	
Fabric tube with click-profile	✓	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	WTT117-003	
Guaranteed wind resistance	Up to 62.14 mph in closed position depending on dimensions	
Control		
Somfy RTS radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00006	

Dimensions		Small		Medium	
Single screen					
Fiberglass fabric Sergé / Natté / Privacy	Min. width	35.43"		35.43"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.43"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²
Tuffscreen insect mesh	Min. width	35.43"		35.43"	
	Max. width	157.48"	125.98"	196.85"	177.17"
	Max. height	98.43"	118.11"	137.80"	157.48"
	Max. surface area	107.64 ft²	103.33 ft²	188.37 ft²	193.75 ft²

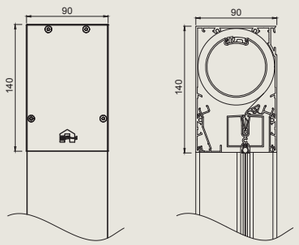
NOTE
Installation:
- Small head box does not need to be secured.
- Medium head box must be secured centrally starting from a width > 141.73"
- Large head box must be secured starting from a width > 141.73". You must secure the sides when using an XS side guiding channel.



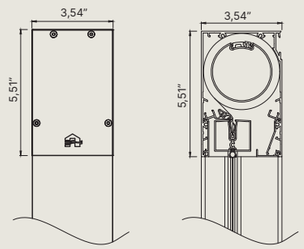
Medium - Drawing recessed balcony



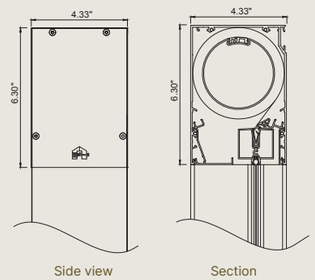
Small - IM 7A F - head box



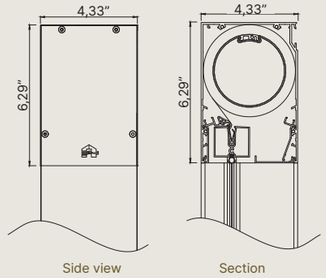
Small - IM 7B F - head box



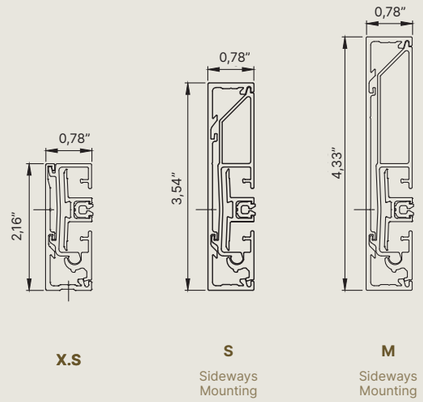
Medium - IM 7A F - head box



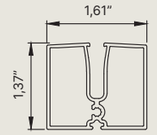
Medium - IM 7B F - head box



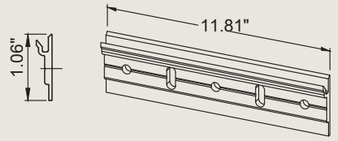
Side guiding channels



Bottom bar

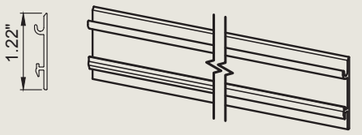


Hook profile

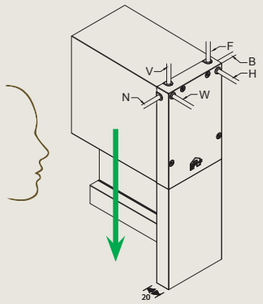


3 pieces per screen.
0.2" extra needed for hooking.

Fill profile



Cable feed



Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

PANOVISTA® (MAX.)

RENSON®

PANOVISTA® (MAX.)

The first sun protection solution for glass-on-glass corner windows

The Panovista (Max) is the first fabric-based sun protection specifically designed for glass-on-glass corner windows. It aligns perfectly with modern architectural trends, offering a sleek solution for large glass areas and minimalist design aesthetics.

1. Uninterrupted panoramic view

Designed specifically for glass-on-glass windows, the Panovista (Max) maintains a clear, unobstructed view with no visible aluminum profiles or cables in the corner, preserving the panoramic outlook.

2. Invisible integration

Both the head box and side guiding channels are aesthetically concealed within the façade, with the bottom bar fully retractable for a seamless appearance.

3. Ideal for large glass surfaces

The Panovista covers up to 241.11 ft², while the Panovista Max extends coverage to an impressive 322.92 ft², perfectly suited to modern architectural trends for large glass areas.

4. High wind resistance

ZipShade® Technology ensures taut, stable fabric, securely held in place even in winds up to 55.92 mph for Panovista Max.

5. Efficient Connect&Go technology

Equipped with patented **Connect&Go** motors, the Panovista (Max) enables quick and safe fabric installation and easy disassembly, enhancing both setup and maintenance.

6. Durable fabric guiding with smooth technology

A patented wear-resistant layer ensures smooth, quiet, and durable operation of the zipper within the side guiding channels, increasing comfort and longevity.

7. Extensive fabric and color options

With a vast collection of fabrics and powder coating colors, the Panovista (Max) can be customized to align perfectly with the building's architectural style.

Choice of two different versions

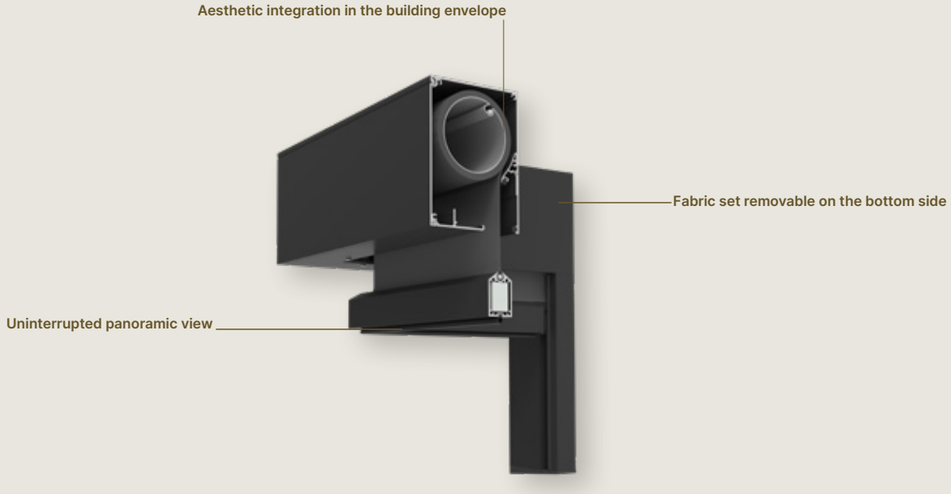
Depending on requirements and expectations, there are two Panovista versions available, both ideal for glass-on-glass corner windows. The main difference lies in the corner connection. The Panovista features an opening between the two fabric sections, providing a clean, open look. The Panovista Max, on the other hand, includes a larger head box that integrates an aesthetic zipper at the corner, fully closing the corner for improved wind resistance up to 55.92 mph. This fully closed corner also makes the Panovista Max insect-proof and supports larger dimensions, offering added durability and functionality.

Panovista®

Panovista® Max

PANOVISTA®

NEW BUILDS AND MAJOR RENOVATIONS



23 mph

SMOOTH TECHNOLOGY

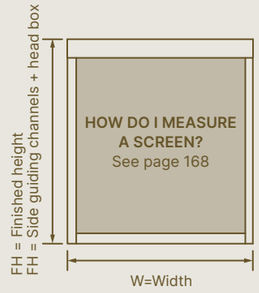
ZIPSHADE TECHNOLOGY

CONNECT & GO

Design	
Head box dimensions (HxD)	5.91" x 4.33"
Head box extension	-
Square	✓
Retractable bottom bar	✓
Recessed fabric tube	✓
Base plate side guiding channel	At a 0° or 5° angle
Wind resistance	
Wind classification EN13561:2004	-
Wind tunnel test report	WTT14-001
Guaranteed wind resistance	Up to 22.3 mph in closed position
Control	
Somfy mechanical motor	✓
Sompfy RTS radio controlled motor	✓
Certificates	
Declaration of Performance (DoP)	CAP-2015SC00004

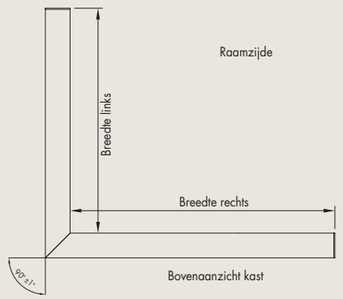
Dimensions		
Panovista		
Fiberglass fabric Sergé / Natté / Privacy	Min. width	25.60" section without motor
		31.50" section with motor
	Max. width	157.48" per section
	Max. height	110.24"
	Max. surface area	120.56 ft² per section
		241.11 ft² total
Panovista Coupled with ZipShade® Medium Slim IM 7A		
Fiberglass fabric Sergé / Natté / Privacy	Min. width Panovista	25.60" section without motor
		31.50" section with motor
	Min. width ZipShade® Medium Slim IM 7A	35.43"
	Max. width Panovista	157.48" per section
	Max. width ZipShade® Medium Slim IM 7A	177.17"
	Total coupled width	236.22"
	Max. height	110.24"

NOTE
- Coupling is only possible with the ZipShade® Medium Slim IM 7A
- A wind sensor is mandatory
- Only applicable on outer corner
- The necessary bearing strength of the construction is 170 N/m head box
- Installation training is mandatory for the installer

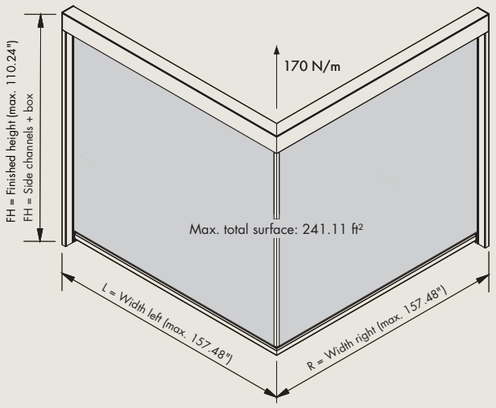


HOW DO I MEASURE A SCREEN?
See page 168

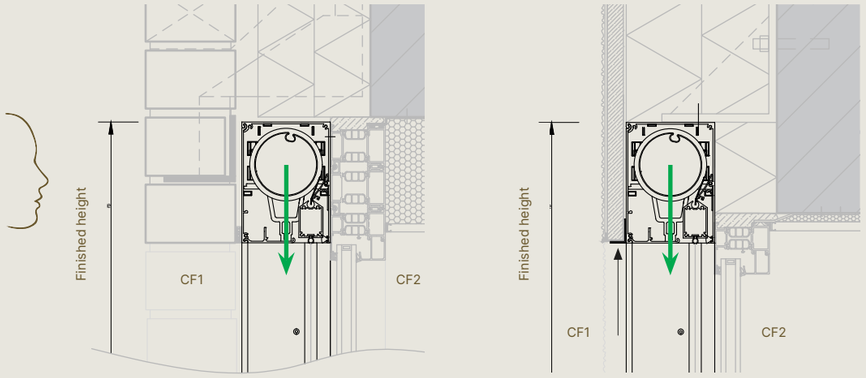
TOP VIEW HEAD BOX



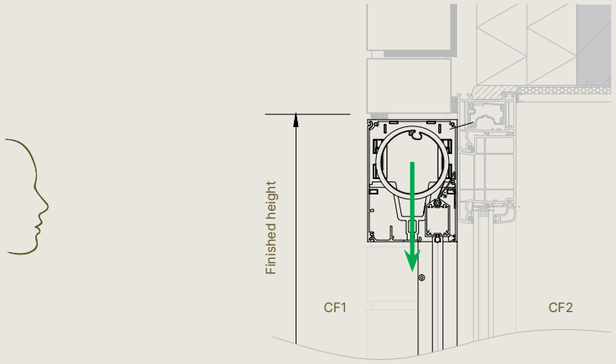
3D VIEW



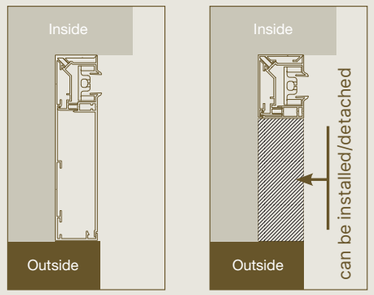
Drawing recessed masonry/plaster



Drawing surface-mounted masonry

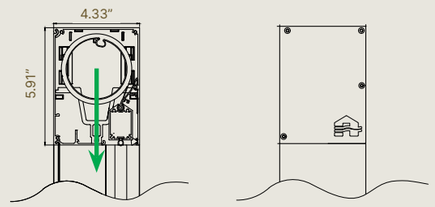


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

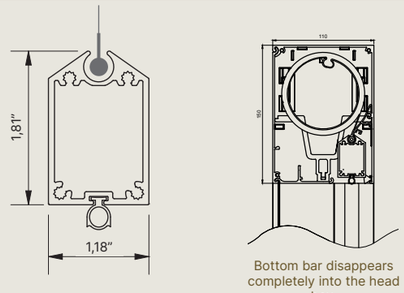


Note: When choosing the narrow side guiding channel G, the customer must foresee something detachable under the head box to disassemble the fabric set underneath (H = min. 26.77").

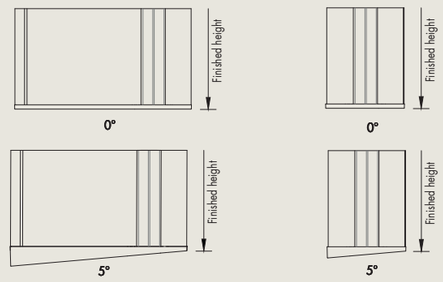
Head box



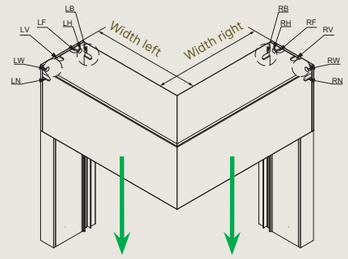
Bottom bar



Base plate side guiding channel



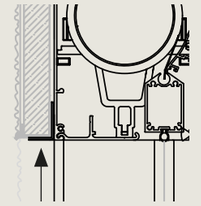
Cable feed



Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

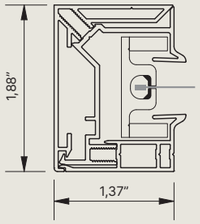
Plaster profile



Plaster profile 0.79" x 1.18" or 1.18" x 1.18"

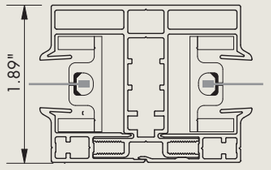
Side guiding channels

G



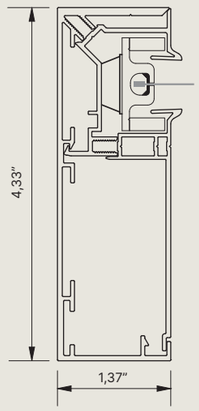
G = closed side guiding channel

K



K = coupling side guiding channel

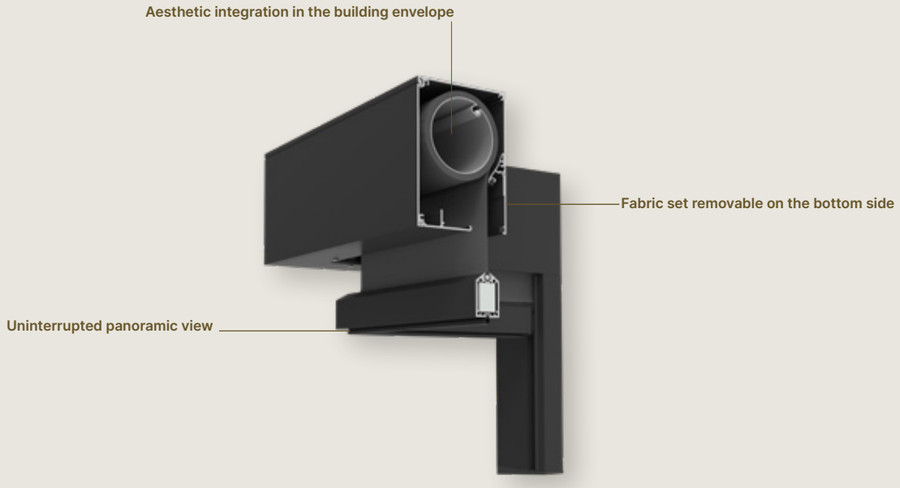
D



D = deep side guiding channel (standard)

PANOVISTA® MAX

NEW BUILDS AND MAJOR RENOVATIONS



56 mph

SMOOTH TECHNOLOGY

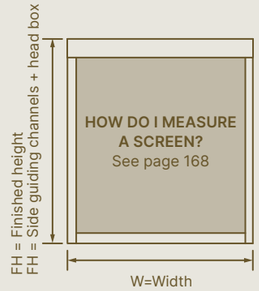
ZIPSHADE TECHNOLOGY

CONNECT & GO

Design	
Head box dimensions (HxD)	5.91" x 6.10"
Head box extension	-
Square	✓
Bottom bar partially retractable	✓
Recessed fabric tube	✓
Base plate side guiding channel	At a 0° or 5° angle
Wind resistance	
Wind classification EN13561:2004	-
Wind tunnel test report	WTT15-001
Guaranteed wind resistance	Up to 55.92 mph in closed position
Control	
Detecto Renson motor Safety First	-
Somfy mechanical motor	✓
Somfy RTS radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	CAP-2015SC00004

Dimensions		
Panovista Max		
Fiberglass fabric Sergé / Natté / Privacy	Min. width	25.60" section (width) without motor
		33.46" section (width) with motor
	Max. width	236.22" per section
		39.37' total
	Max. height	133.86"
	Max. surface area	219.58 ft² per section
		322.92 ft² total

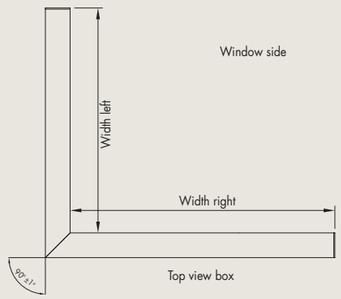
NOTE
- Only applicable on outer corner
- Coupling is not possible
- A wind sensor is mandatory
- Always secure head box and bracket to upper construction/structure. The necessary load-bearing capacity of the structure at the corner brace is 230 N/m per meter (39.37") head box
- Installation training is mandatory for the installer
- Mandatory annual maintenance



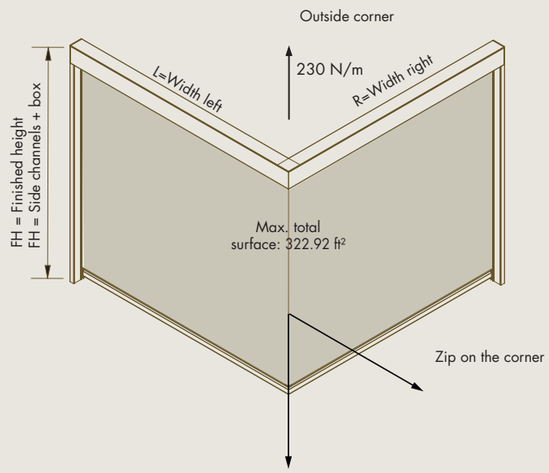
HOW DO I MEASURE A SCREEN?
See page 168

Zipper colors		
Ref.	Color	
02	White	
20	Linen	
32	Beige	
07	Pearl gray	
31	Gray-green	
01	Gray	
06	Bronze	
30	Charcoal	

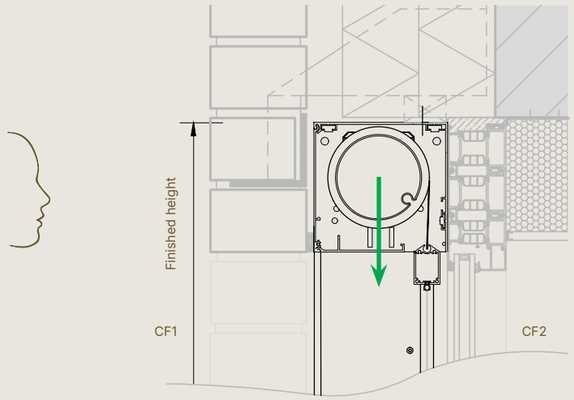
TOP VIEW HEAD BOX



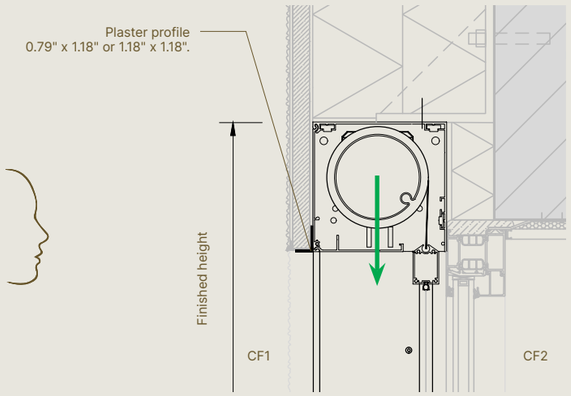
3D VIEW



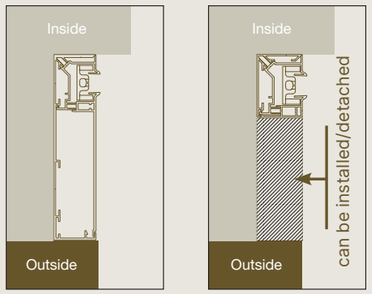
Drawing recessed masonry



Drawing recessed plaster

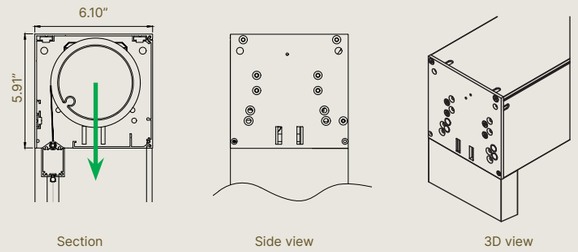


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

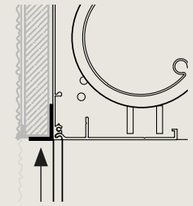


Note: When choosing the narrow side guiding channel G, the customer must foresee something detachable under the head box to disassemble the fabric set underneath (H = min. 26.77").

Head box

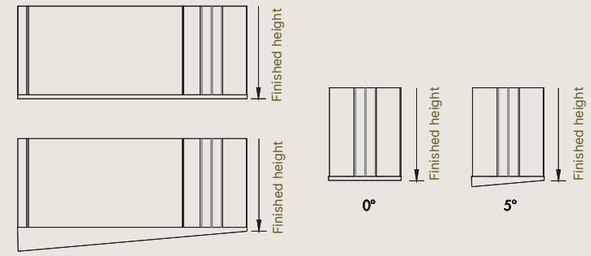


Plaster profile

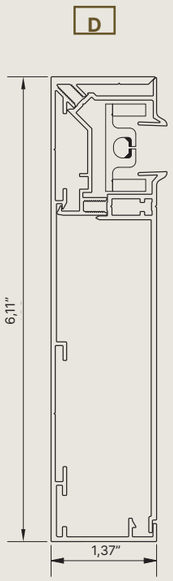


Plaster profile 0.79" x 1.18" or 1.18" x 1.18"

Base plate side guiding channel



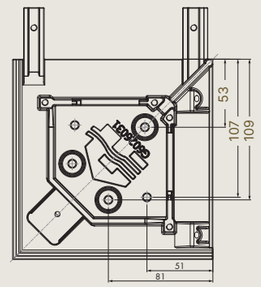
Side guiding channels



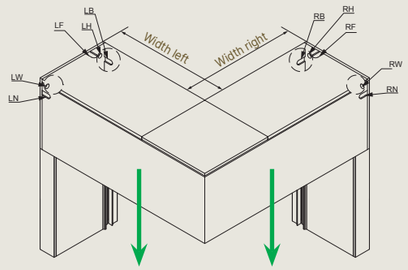
G = closed side guiding channel

D = deep side guiding channel (standard)

Angle bracket (position of drill holes)

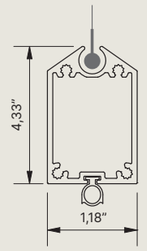


Cable feed



Feed	Feed location
B	rear
F	top
H	side
N	front
W	side

Bottom bar



Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

HORIZONTAL FABRIC SUN PROTECTION

Horizontal fabric sun protection reflects heat from skylights, verandas, and similar structures. It can effectively cover surface areas up to 322.92 sq. ft. Solutions are available in both windproof and non-windproof options. This type of protection is highly suitable for various settings, including homes, hospitals, nursing homes, offices, schools, atriums, and shopping centers.

ZIPSHADE® TOP (MAX)

RENSON®

ZIPSHADE® TOP (VMS)

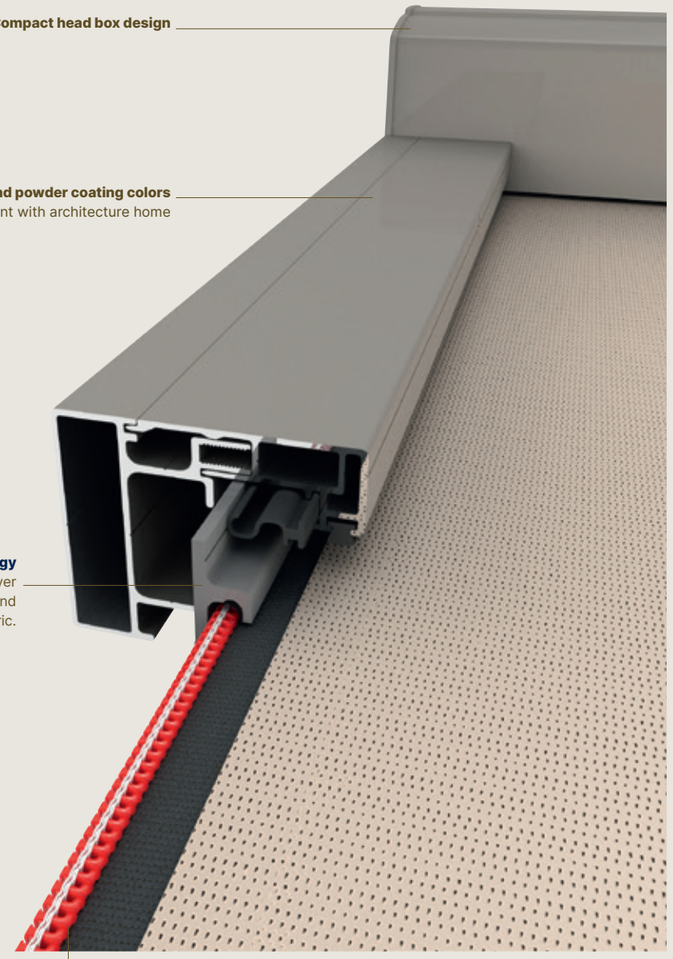
The ZipShade® Top (VMS) is a zenithal, windproof fabric sun protection solution. Its windproofing capabilities come from a revolutionary tensioning technique combined with the trusted ZipShade® Technology, ensuring unmatched fabric tension. Flapping and tearing are completely eliminated, even in extreme wind gusts up to 74.56 mph.

Multi-purpose
Residential or for buildings, on all types of windows. Z

Various installation options
Directly on window or with mounting feet. Top, bottom or side-mounted head box.

Compact head box design

Vast collection of fabrics and powder coating colors
Perfect alignment with architecture home

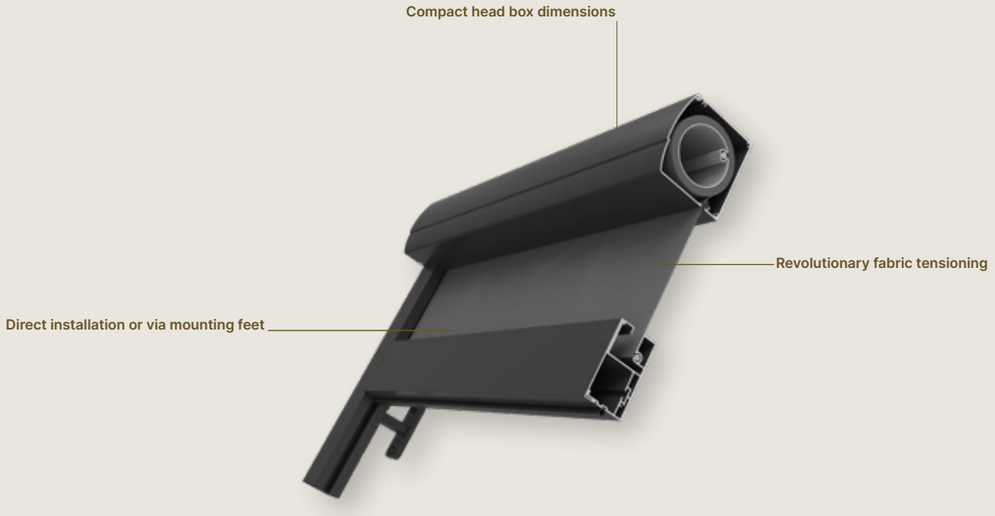


Durable inner rail equipped with Smooth Technology
The patented, co-extruded, wear-resistant top layer in our HPVC inner rail ensures a smooth, durable and soundless guiding of the fabric.

ZipShade® Technology guarantees high resistance
High wind guarantee up to 74.56 mph, thanks to the use of symmetrical zippers.

ZIPSHADE® TOP

RETROFIT



75 mph

SMOOTH TECHNOLOGY

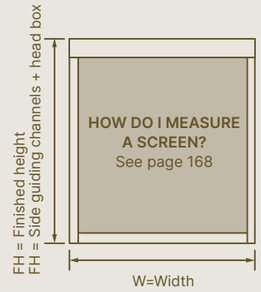
ZIPSHADE TECHNOLOGY

Design	
Head box dimensions (HxD)	4.13" x 3.94"
Head box extension	-
Retractable bottom bar	-
Base plate side guiding channel	-
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	N° EAR0852
Guaranteed wind resistance	Up to 74.56 mph in closed position
Control	
Somfy mechanical motor	✓
Somfy RTS radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-201409 – F003

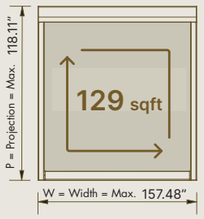
Dimensions		
Single screen		
Polyester fabric Soltis Horizon 86 / Soltis Perform 92 Blackout polyester fabric Soltis Opaque B92	Min. width	39.37"
	Max. width	157.48"
	Max. projection	118.11"
	Max. surface area	129.17 ft²
Coupled screen with 1 motor		
Polyester fabric Soltis Horizon 86 / Soltis Perform 92 Blackout polyester fabric Soltis Opaque B92	Min. width	90.55"
	Max. total width	236.22"
	Max. section width	157.48"
	Max. projection	118.11"
	Max. total surface area	193.75 ft²
Linked screens		
Possible dimensions per section, per fabric type according to 'single screen' table The max. total area is 258.33 ft², of which one section is max 129.17 ft². Required intermediate dimension (expansion): 0.04" per 39.37" width		

NOTE
- In the case of direct window installation, deflection of the bottom bar must be taken into account.
- If the ZipShade® Top is installed across several glass sections, it is strongly recommended to use mounting feet in order to avoid contact between the bottom bar and the window profile.

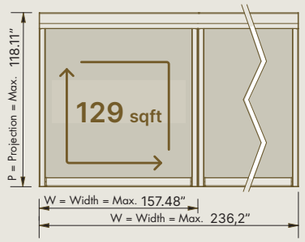
Fabrics:
- Scope of application for fabric depends on the incline. See separate table 'Inclination angle fabrics for horizontal fabric sun protection' on page 134
- In the case of greater widths, there is a risk of the fabric dragging against the glass surface



SINGLE

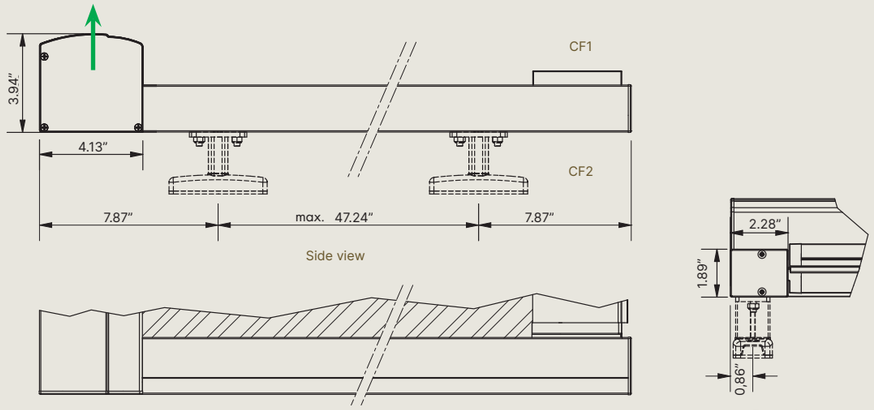


COUPLED



CONNECTED

Section

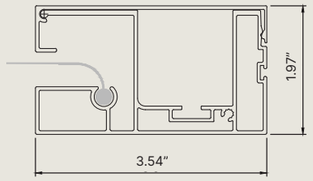


Side view

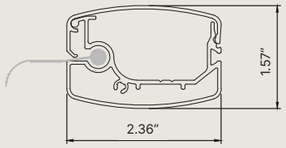
Top view

Front view

Bottom bar



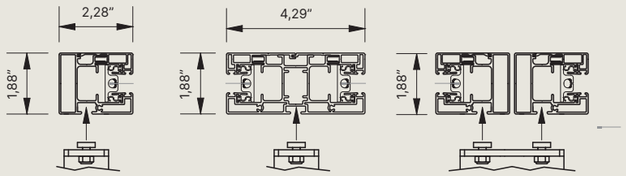
Standard



Optional, while supplies last
(or up to max. width ≤ 118.11")

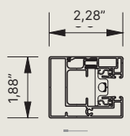
Side guiding channels

Installation with mounting feet



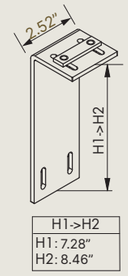
Single Coupled Connected

Installation without mounting feet



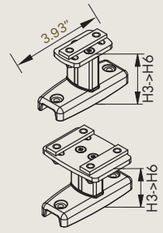
View your ZipShade® Top from the perspective from which you remove the fabric set (→). This determines the left or right cable feed option choice.

Mounting feet



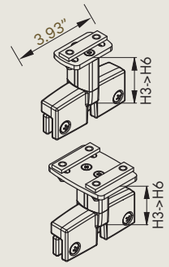
H1->H2
H1: 7.28″
H2: 8.46″

Side

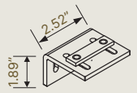


H3->H6
H3: 2.36″
H4: 2.75″
H5: 0.31″
H6: 3.94″

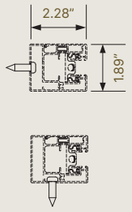
Overhead glass



Underlying glass



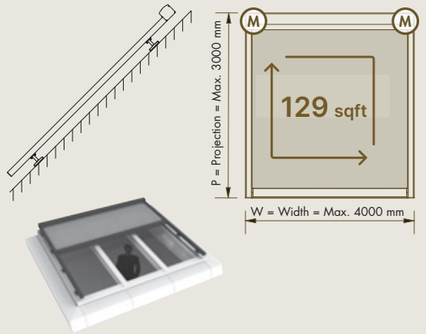
Wall



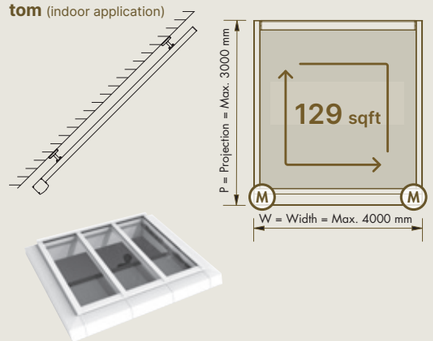
Direct

Installation methods

Head box at the top

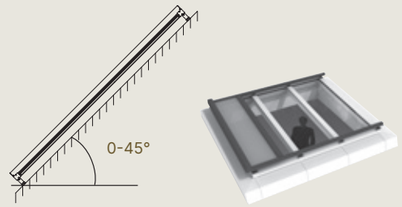


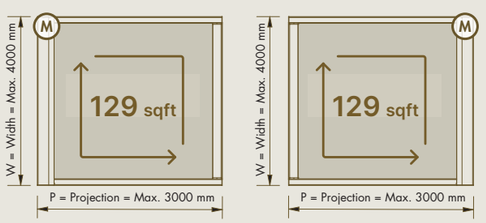
Head box at the bottom (indoor application)



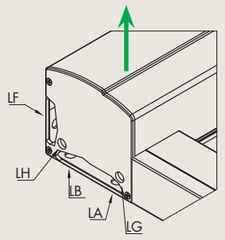
Head box sideways

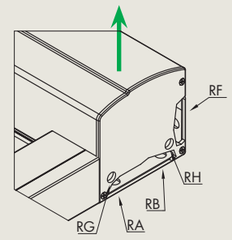
(0-45° - top motor)





Cable feed





Feed	Feed location
A	rear
B	rear
F	top
G	side
H	side

View your ZipShade® Top from the perspective from which you remove the fabric set (→). This determines the left or right cable feed option choice.

ZIPSHADE® TOP MAX. (F)

RENSON®

ZIPSHADE® TOP MAX. (F)

This horizontal sun protection utilizes an innovative tensioning technique that accommodates large surface areas. This integrated system provides exceptional fabric tension, eliminating issues with flapping or torn fabric. ZipShade® Top Max reflects heat from skylights, verandas, and similar structures. When paired with blackout fabric, it can achieve complete darkness in both indoor and outdoor settings, covering areas up to 322.92 sq. ft. Additionally, ZipShade® Top Max Freestanding can be installed in open structures, offering a range of new installation possibilities that enhance the Renson® Outdoor Concept.

1. MULTI-PURPOSE

The ZipShade® Top Max range is versatile enough for use in private homes as well as in projects like hospitals, offices, and schools. It can be applied to all types of windows.

2. VARIOUS INSTALLATION OPTIONS

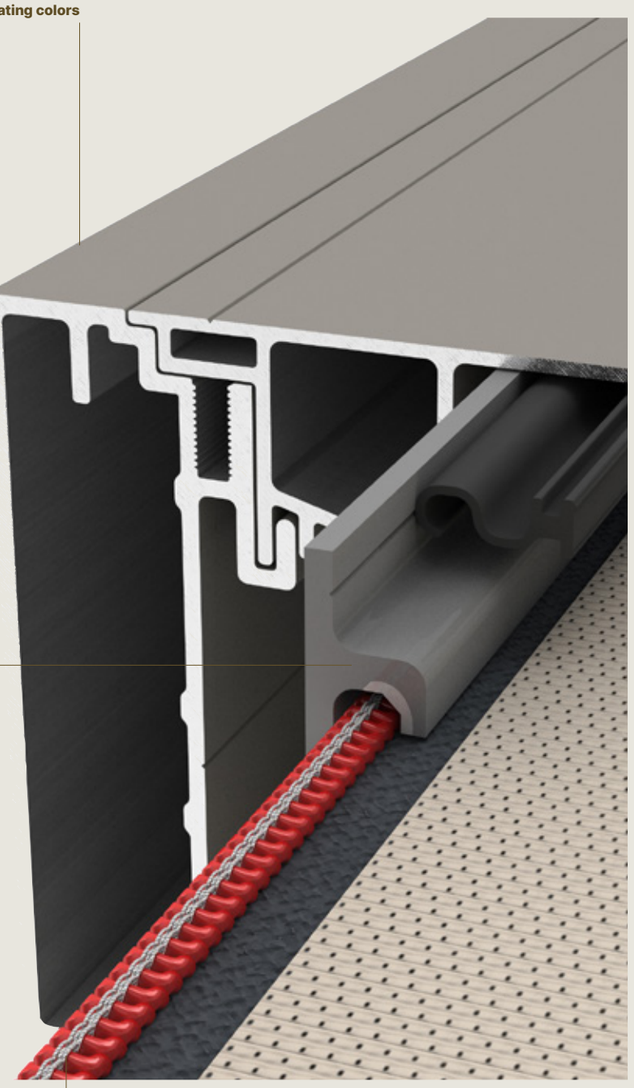
There is a solution for every specific need. The ZipShade® Top Max can be installed directly on the window or with various mounting bases. It is suitable for both indoor and outdoor sun protection. Furthermore, the head box can be positioned at the top or bottom.

3. LARGE SURFACE AREAS

Thanks to its integrated tensioning technology, ZipShade® Top Max (F) is the first windproof fabric sun protection that can handle extremely large surface areas up to 322.92 ft².

With integrated water drainage (ZipShade® Top Max F)

Vast collection of fabrics and powder coating colors



Durable inner rail equipped with Smooth Technology
The patented, co-extruded, wear-resistant top layer in our HPVC inner rail ensures a smooth, durable and soundless guiding of the fabric.

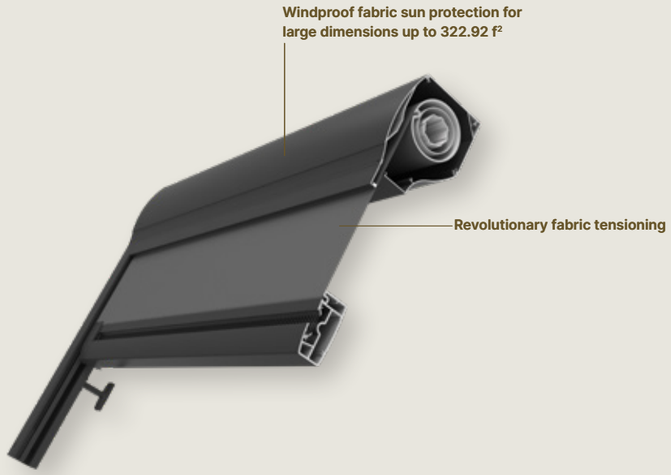
SMOOTH
TECHNOLOGY

ZipShade® Technology guarantees high wind resistance
High wind guarantee up to 74.56 mph, thanks to the use of symmetrical zippers.

ZIPSHADE
TECHNOLOGY

ZIPSHADE® TOP MAX.

RETROFIT



75 mph

SMOOTH TECHNOLOGY

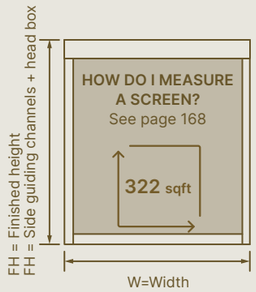
ZIPSHADE TECHNOLOGY

Design	
Head box dimensions (HxD)	10.23” x 7.95”
Head box extension	-
Retractable bottom bar	-
Base plate side guiding channel	-
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	-
Guaranteed wind resistance	Up to 74.56 mph in closed position
Control	
Detecto Renson motor Safety First	-
Somfy mechanical motor	✓
Somfy RTS radio-controlled motor	✓
Wind resistance	
Declaration of Performance (DoP)	DOP-201409 – F003

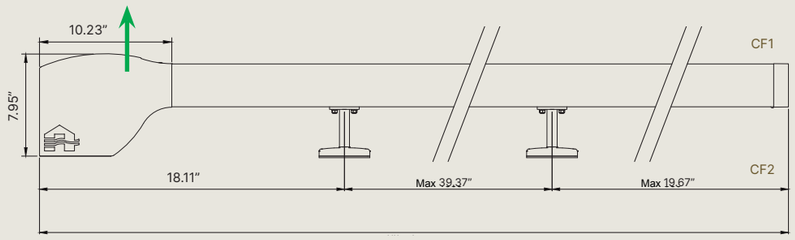
Dimensions			
Single screen			
Polyester fabric Soltis Horizon 86 / Soltis Perform 92 **Blackout polyester fabric Soltis Opaque B92**	Min. width	48.23”	
	Max. width	196.85"	236.22"
	Max. projection	236.22"	196.85"
	Max. surface area	322.92 ft²	
Linked screens			
Possible dimensions per section, per fabric type according to ‘single screen’ table The max. total area is 645.83 ft², of which one section is max 322.92 ft². Required intermediate dimension (expansion): 0.04” per 39.37" width			

NOTE
- Head box must always be supported.
- It is recommended that at least two people install the product. Weight: ± 55.12 to 66.14 lbs/win.
- Depending on the inclination angle (0°-90° in case the head box is positioned at the bottom), an external support bracket is supplied to prevent the head box from sliding out of the side guiding channels.
- Depending on the inclination angle (45°-90° in case the head box is positioned at the top), an internal support bracket is supplied to prevent the head box from sliding out of the fabric set.

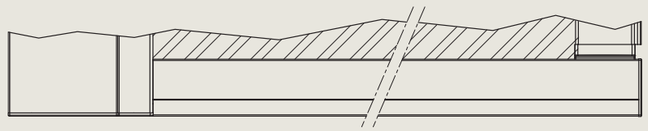
Fabrics:
- Horizontal sun protection ≠ rain protection
- Scope of application for fabric depends on the incline. See separate table ‘Inclination angle fabrics for horizontal fabric sun protection’ on page 134



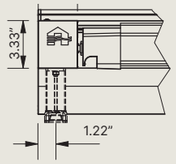
Sections



Side view

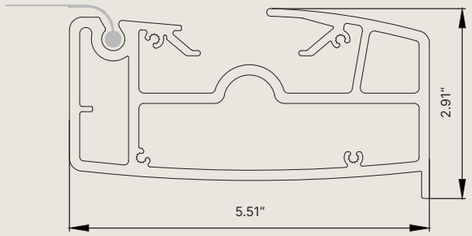


Top view



Front view

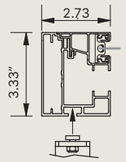
Bottom bar



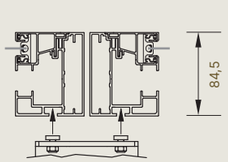
View your ZipShade® Top Max from the perspective from which you remove the fabric set (←). This determines the left or right cable feed option choice.

Side guiding channels

With mounting bases

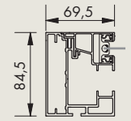


Single

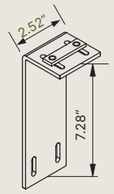


Linked

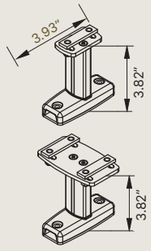
Without mounting bases



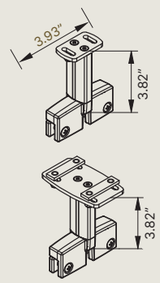
Mounting feet



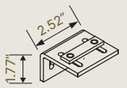
Side



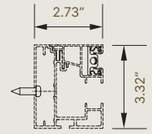
Glass above



Glass below



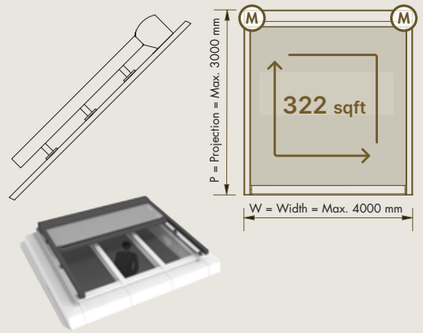
Wall



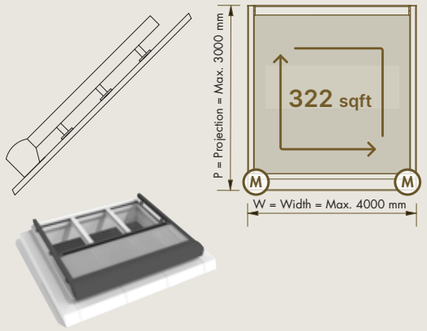
Direct

Installation methods

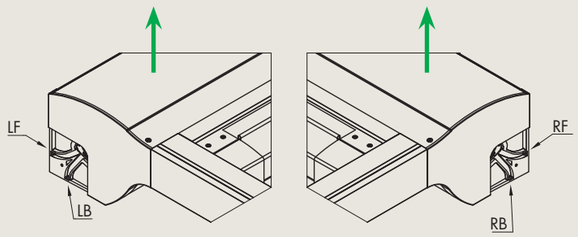
Head box at the top



Head box at the bottom



Cable feed



Feed	Feed location
B	rear
F	top

View your ZipShade® Top Max from the perspective from which you remove the fabric set (→). This determines the left or right cable feed option choice.

ZIPSHADE® TOP MAX. FREESTANDING

FREESTANDING

75 mph

SMOOTH TECHNOLOGY

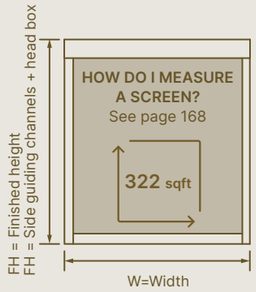
ZIPSHADE TECHNOLOGY

Design	
Head box dimensions (HxD)	10.23” x 7.95”
Head box extension	-
Retractable bottom bar	-
Base plate side guiding channel	-
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	-
Guaranteed wind resistance	Up to 74.56 mph in closed position
Control	
Detecto Renson motor Safety First	-
Somfy mechanical motor	-
Somfy RTS radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-201409 – F003

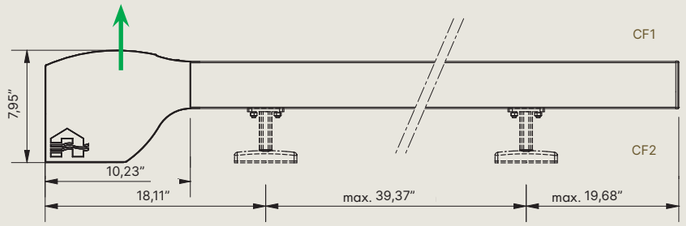
Dimensions			
Single screen			
Polyester fabric Soltis Horizon 86 / Soltis Perform 92 **Blackout polyester fabric Soltis Proof W96**	Min. width	48.23”	
	Max. width	196.85"	236.22"
	Max. projection	236.22"	196.85"
	Max. surface area	322.92 ft²	
Linked screens			
Possible dimensions per section, per fabric type according to ‘single screen’ table The max. total area is 645.83 ft², of which one section is max 322.92 ft². Required intermediate dimension (expansion): 0.04” per 39.37" width			

NOTE
- Head box must always be supported.
- It is recommended that at least two people install the product. Weight: ± 55.12 to 66.14 lbs/win.

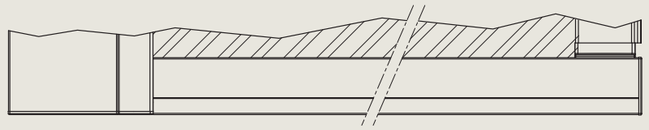
Fabrics:
- Horizontal sun protection ≠ protection against rain
- Scope of application for fabric depends on the incline. See separate table ‘Inclination angle fabrics for horizontal fabric sun protection’ on page 134



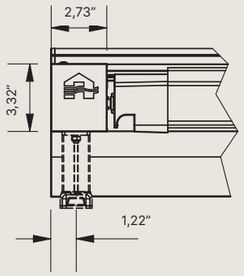
Sections



Side view

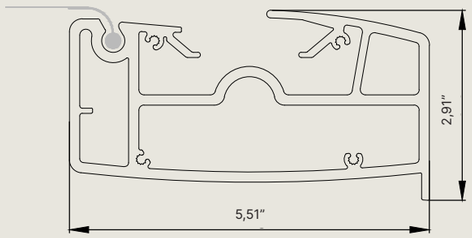


Top view



Front view

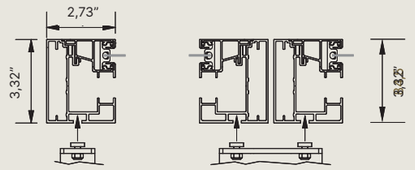
Bottom bar



View your ZipShade® Top Max F from the perspective from which you remove the fabric set (←). This determines the left or right cable feed option choice.

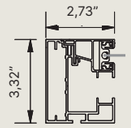
Side guiding channels

With mounting feet

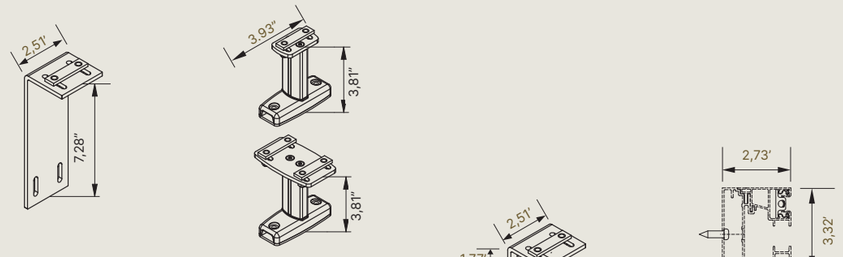


Single Connected

Without mounting feet

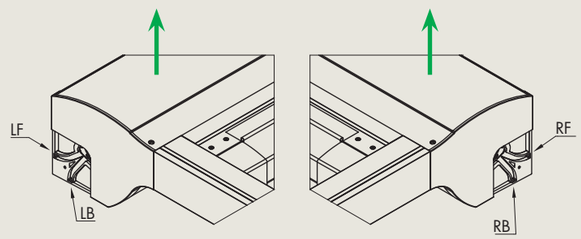


Mounting feet



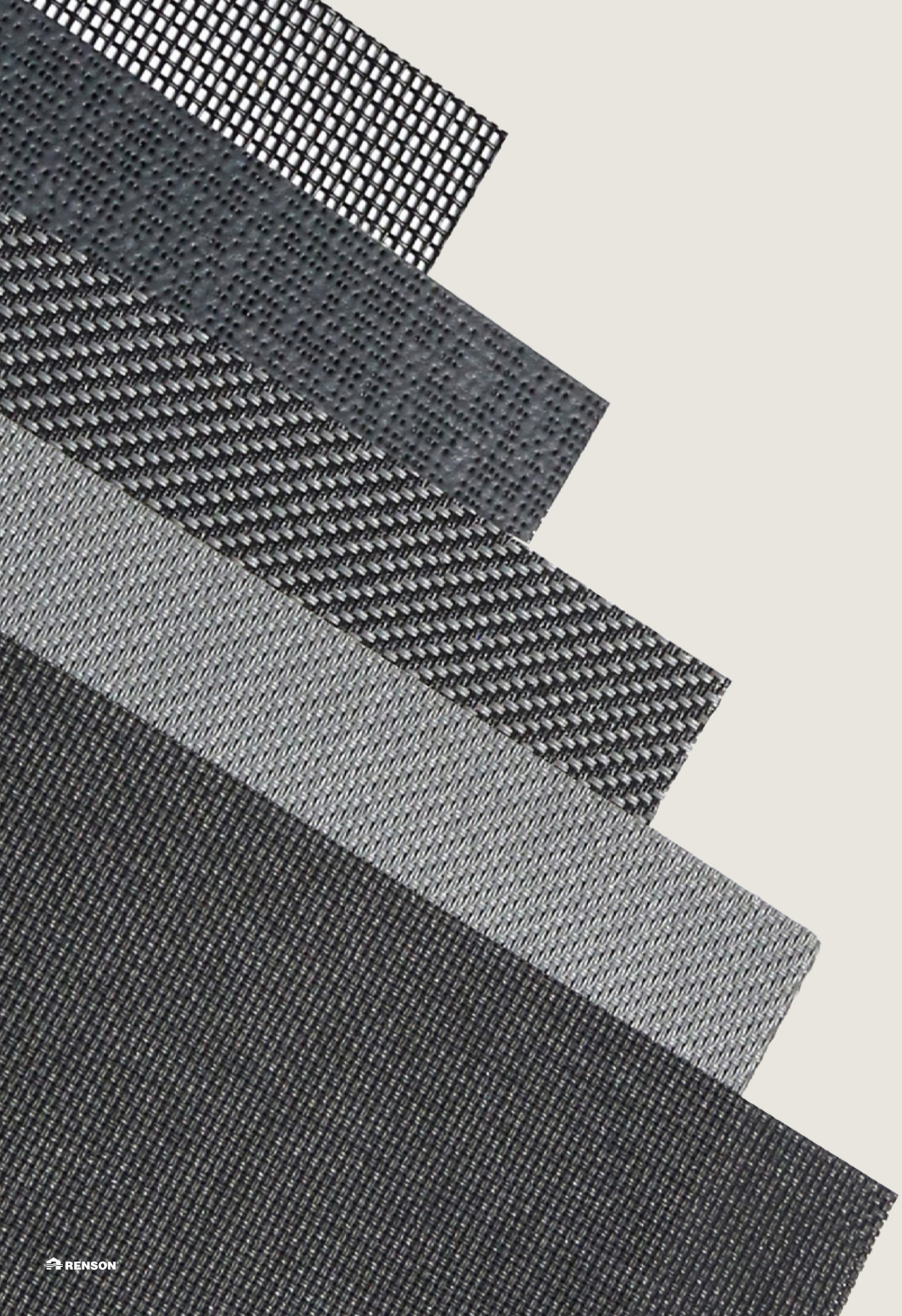
Side Glass above Wall Direct

Cable feed



Feed	Feed location
B	rear
F	top

View your ZipShade® Top Max F from the perspective from which you remove the fabric set (→). This determines the left or right cable feed option choice.



FABRIC RANGE

How do I choose a fabric? 132

Fabric range

- Fiberglass fabric 140
- Polyester fabric Soltis 146
- Tuffscreen 150
- Crystal fabric 152
- Customized print 153

HOW DO I CHOOSE A FABRIC?

In addition to their functional role of blocking sunlight, screen fabrics offer a decorative element that aligns seamlessly with the home's architectural style. These fabrics are designed for exceptional longevity and also provide an effective barrier against insects. Fabrics are distinguished based on their levels of transparency and light transmission, with a wide range of secondary features available. Thanks to their unique properties and extensive color palette, there's a suitable fabric type for every application, combining both aesthetics and practicality.

Screen selector
Try our digital & interactive screen selector online

1 What is the application of the screen?

Fabric sun protection is selected based on specific applications, as not all fabrics are compatible with every product. This selection process helps narrow down suitable options. For instance, fiberglass fabrics are recommended for the ZipShade®, while polyester fabrics are ideal for the ZipShade® Top.

		Transparent sun protection fabric							Transparent sun protection fabric	Insect-proof fabric	Blackout fabric			
		Fiberglass fabric*			Polyester fabric				Polyester fabric		Fiberglass fabric	Polyester fabric		
		Sergé	Natté	Privacy	Soltis® Veozip	Soltis® Horizon 86	Soltis® Perform 92		Soltis® Proof W96	Tuffscreen	Satiné 21154	Soltis® Opaque B92		
Vertical sun protection	ZipShade®	✓	✓	✓	✓	✓	✓		–	✓	✓	✓	ZipShade®	Vertical sun protection
	ZipShade® Freestanding	✓	✓	✓	✓	–	–		–	✓	–	–	ZipShade® F	
	ZipShade® Minimal	✓	✓	✓	–	–	–		–	✓	✓	–	ZipShade® Minimal	
	ZipShade® Minimal Freestanding	✓	✓	✓	–	–	–		–	✓	–	–	ZipShade® Minimal F	
	Panovista® (Max)	✓	✓	✓	–	–	–		–	–	–	–	Panovista® (Max)	
Horizontal sun protection	ZipShade® Top	–	–	–	–	✓	✓		–	–	–	✓	ZipShade® Top	Horizontal sun protection
	ZipShade® Top Max	–	–	–	–	✓	✓		–	–	–	✓	ZipShade® Top Max	
	ZipShade® Top Max Freestanding	–	–	–	–	✓	✓		✓	–	–	–	ZipShade® Top Max F	

* Option crystal window in the full width on page 152

NOTE
For dimensional limitations, please refer to the product pages. Additionally, consult the table for recommended fabric inclination angles (see page 134).

Did you know?

- Dark-colored fabrics provide the best view to the outside.
- Light-colored fabrics reflect more sunlight, making them ideal for reducing heat.
- Fully blackout fabrics are perfect for bedrooms, ensuring maximum light blocking.
- Fiberglass and polyester fabrics can be printed to create unique, personalized designs.
- Insect mesh is effective at repelling insects but offers limited sun protection.

INCLINATION ANGLE FABRICS HORIZONTAL SUN PROTECTION

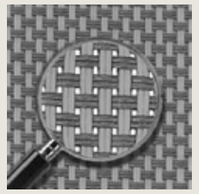
			Polyester fabric				Fiberglass
			Soltis® Horizon 86	Soltis® Perform 92	Soltis® Opaque B92	Soltis® Proof W96	
INCLINATION ANGLE*	WIDTH	PROJECTION	Sun protection (water-repellent depending on fabric type)				
ZipShade® Top							
H ≤ 8°	W ≤ 157.48"	U ≤ 118.11"	✓	-	-	-	-
8° < H ≤ 20°	W ≤ 157.48"	U ≤ 59.06"	✓	✓	✓	-	-
	W ≤ 49.21"	59.06" < U ≤ 118.11"	✓	✓	✓	-	-
	49.21" < W ≤ 157.48"		✓	✓	-	-	-
H > 20°	W ≤ 157.48"	U ≤ 118.11"	✓	✓	✓	-	-
ZipShade® Top Max							
H ≤ 8°	W ≤ 196.85"	U ≤ 236.22"	✓				
8° < H ≤ 15°	W ≤ 157.48"	157.48" < U ≤ 236.22"	✓	✓	✓		
	157.48" < W ≤ 196.85"		✓				
H > 15°	W ≤ 196.85"	U ≤ 236.22"	✓	✓	✓		
	W ≤ 236.22"	U ≤ 196.85"	✓				
ZipShade® Top Max F							
H ≤ 6°	W ≤ 196.85"	U ≤ 236.22"	✓				
6° < H ≤ 7°	W ≤ 78.74"	U ≤ 196.85"	✓	✓			
	W ≤ 196.85"	U ≤ 236.22"	✓				
7° < H ≤ 8°	W ≤ 118.11"	U ≤ 196.85"	✓	✓			
	W ≤ 196.85"	U ≤ 236.22"	✓				
8° < H ≤ 9°	W ≤ 78.74"	U ≤ 196.85"	✓	✓		✓	
	W ≤ 157.48"	U ≤ 236.22"	✓	✓			
	157.48" < W ≤ 196.85"		✓				
9° < H ≤ 10°	W ≤ 118.11"	U ≤ 196.85"	✓	✓		✓	
	W ≤ 157.48"	U ≤ 236.22"	✓	✓			
	157.48" < W ≤ 196.85"		✓				
10° < H ≤ 11°	W ≤ 118.11"	U ≤ 196.85"	✓	✓		✓	
	W ≤ 157.48"	U ≤ 236.22"	✓	✓		✓	
	157.48" < W ≤ 196.85"		✓				
11° < H ≤ 13°	W ≤ 157.48"	U ≤ 236.22"	✓	✓		✓	
	157.48" < W ≤ 196.85"		✓			✓	
H > 13°	W ≤ 196.85"	U ≤ 236.22"	✓			✓	
	W ≤ 236.22"	U ≤ 196.85"	✓			✓	

Note: The smaller the incline, the greater the chance of fabric sag.
Width > 157.48" =≥ High risk of creasing

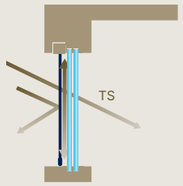
2 What requirements must the screen satisfy?

Fabric type, color, and weave – all have an effect on the fabric's technical properties. Therefore, it's essential to clearly define the requirements the fabric needs to meet, which depends on the building type, application, and intended use of the space. For example, factors like thermal performance, fire resistance, and visual parameters can be crucial in making the right choice.

1. FABRIC TECHNICAL PROPERTIES

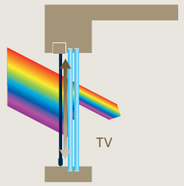


Openness factor (CF)
A higher openness factor increases light transparency, enhancing the view to the inside or outside.

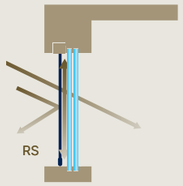


Solar transmittance factor (TS)
Represents the percentage of incident energy that passes through the fabric.

in % ($\tau_{e,\beta}$)

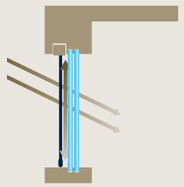


Light transmittance factor (TV)
A higher light transmittance factor allows more light through the fabric, increasing the room's light intensity level (lux).

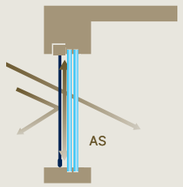


Sun reflection factor (RS)
Indicates the percentage of incident energy reflected by the fabric.

in % ($\rho_{e,\beta}$)



Shading coefficient (gtot)
The total percentage of energy that enters through a window with sun protection.

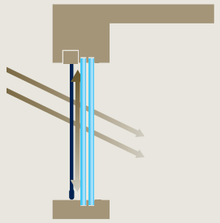


Solar absorption factor (AS)
Shows the percentage of incident energy absorbed by the fabric.

in % ($\alpha_{e,\beta}$)

TS + RS + AS = 100% of the incident energy ($\tau_{e,\beta} + \rho_{e,\beta} + \alpha_{e,\beta} = 1$)

2. THERMAL COMFORT



Solar gain control is expressed by the value $_{gtot}$ or total solar factor. This value is the total percentage of energy that comes inside through a window with sun protection. It therefore reflects how efficient the fabric sun protection is.
The $_{gtot}$ value of fabric sun protection in combination with type C glazing can be classified according to the table below.

Glazing type C 4/16/4 low-emission double glazing
U = 0.21 Btu/h·ft2·F
g_g = 0.59

Class*	0	1	2	3	4
g_{tot}	$g_{tot} \geq 0.50$	$0.35 \leq g_{tot} < 0.50$	$0.15 \leq g_{tot} < 0.35$	$0.10 \leq g_{tot} < 0.15$	$g_{tot} < 0.10$
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

In addition, the $_{gtot}$ value is always provided when fabric sun protection is combined with type D glazing.

Glazing type D Reflective 4/16/4 low-emission double-glazing
U = 0.19 Btu/h·ft2·F
g_g = 0.32

In addition to these values, the reduction factor F is also used. This reduction factor is a measure of the fraction of solar energy left only by the sun protection.

$$F = \frac{g_{tot}}{g_g}$$

FYI: All our fabric sun protection is listed in the EPB database. This database is coupled to the EPB software 3G. This allows the gtot value to be calculated automatically.

Opt for thermal comfort and avoid overheating indoors

- Dark fabric blocks heat better.
- A fabric with a low openness factor blocks heat better.

* Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

3. VISUAL COMFORT

A. Visual contact with the outside

The degree to which a person inside (at approx. 3 ft. from the fully lowered fabric sun protection) can distinguish a person or object outside (at approx. 16.4 ft. from the fabric sun protection). Visual contact with the outside can be classified from 0 to 4 according to the table below.

Class*	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

B. Using natural daylight

- Sun shading capacity to reduce artificial lighting needs
- Sun shading capacity to maximize available daylight

Class*	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

C. Glare

- Reduce light contrast between different areas within the field of vision.
- Reduces window luminance to avoid disruptive reflections, enhancing visual comfort.

Class*	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

D. Privacy at night

Capacity of exterior sun protection, when fully closed or lowered, to shield persons from view.

Class*	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

Opt for visual comfort and still be able to see outside

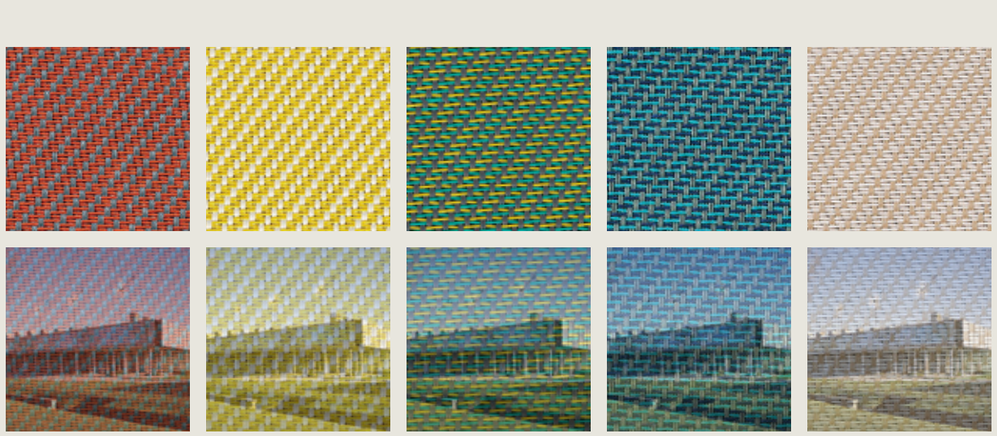
- A light fabric lets more natural daylight inside
- A fabric with a low openness factor:
  - Offers more privacy
  - Lets less light inside
  - Is better against glare

* Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

3

What are the customer's personal preferences?

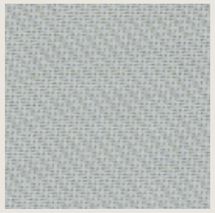
Taste and color are subjective, which is why it's great that there is such a vast selection of colors and weaves available. The fabric's aesthetic properties (color, weave, confection side, etc.) impact its functionality. The effect will vary slightly every time. Mix and match to find the perfect solution!



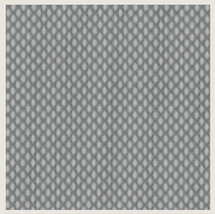
How your preferred fabric colour affects your outdoor view

WEAVE

The look of a fabric is likely to be an important factor in your choice. Aside from color, the weave pattern also plays a major role. Multiple options are available in fiberglass fabrics, such as tighter weaves or straight weaves.



Sergé

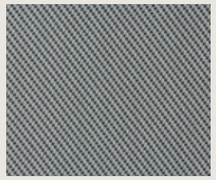


Natté

CONFECTION SIDE

All fabrics have two sides. Confection side 1 is the top side of the fabric sample in the Renson® fabric sampler. This is how the screen fabric appears from the outside. Confection side 2 is the bottom side of the fabric sample in the Renson® fabric sampler. The confection sides are indicated on all technical drawings.

Confection 1 example



Confection 2 example

WELDED SEAM & FABRIC DIRECTION

If both the width and height surpass the size of the fabric set, a welded seam will be visible to connect the two fabric sections. The position of this welded seam differs from fabric to fabric and depends on the dimensions of the fabric. The height of the welded seam is always calculated from the lowest point of the framework. Renson® always tries to manufacture your fabric with the least amount of welded seams possible. This means that, per order, we look to see if it is possible to turn the fabrics so that they can be manufactured without any heat-sealed seams.

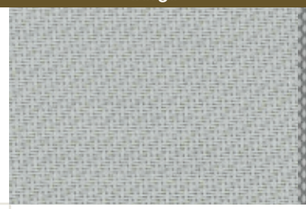
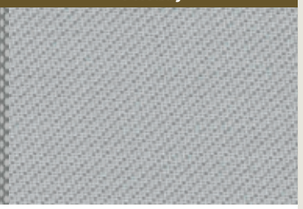
Note!

If the order concerns a follow-up order, please make sure to mention this. That way Renson® can guarantee your initial order's fabric direction is used.

FIBERGLASS FABRIC

Sergé, Natté, Privacy

Fiberglass fabrics consist of woven glass fibers coated with PVC and are available in a wide range of colors. These fabrics are durable, maintaining their shape and resisting humidity, heat, and rot. They are also colorfast, providing a clear view of the outside while preserving privacy by preventing others from looking in during daylight.

Technical properties	Sergé	Natté	Privacy
			
Composition	Fiberglass (42 %) with PVC coating (58 %)		
Available width	From 53.15" to 106.30" Limited selection available up to 125.98"	219.69" Limited selection available up to 125.98"	106.30"
Fire class	Euroclass NF EN 13501-1 (EU): c-s3 d0 NF P 92-503 (FR): M1	Euroclass NF EN 13501-1 (EU): c-s3 d0 (1 mounted according to EN 13823 & EN 14716) NF P 92-503 (FR): M1 DIN 4102-1 (DE): B1 NF F16-101 (FR): F3	Euroclass NF EN 13501-1 (EU): c-s3 d0 (1 mounted according to EN 13823 & EN 14716) DIN 4102-1 (DE): B1 NF P 92-503 (FR): M1 NF F16-101 (FR): F3
Lightfastness	Grade 7 – ISO105 B 02	Grade 7-8 – ISO105 B02	Grade 7 – ISO105 B 02
Thickness	approx. 0.21" – EN ISO 5084	approx. 0.21" – EN ISO 2286 – 3	approx. 0.3" – ISO 5084
Weight	approx. 0.11 lb/f² – NF 12127	approx. 0.11 lb/f² – EN ISO 236.8186 – 2	approx. 0.13 lb/f² – NF EN 12127
Tearing strength warp	8.5 daN – EN ISO 4674-1	≥ 10 daN – EN 1875 – 3	5.90 daN – ISO 4674-1
Tearing strength weft	7.5 daN – EN ISO 4674-1	≥ 9 daN – EN 1875 – 3	6.20 daN – ISO 4674-1
Breaking strength warp	> 260 daN/1.97" – EN ISO 1421	> 220 daN/1.97" – EN ISO 1421	> 321 daN/1.97" – EN ISO 1421
Breaking strength weft	> 225 daN/1.97" – EN ISO 1421	> 200 daN/1.97" – EN ISO 1421	> 277 daN/1.97" – EN ISO 1421
Openness factor	5%	3%	1%

SERGÉ FIBERGLASS FABRIC

Colors with matching RAL colors

Ref.	RAL Equivalent		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
SC0202 (+)	9003	CF1	13.2	65.9	21.0	21.2	0.15	0.10	2	0	2	1	2
		CF2	12.7	66.3	21.0	21.2	0.15	0.10					
SC2020 (+)	1015	CF1	32.5	52.5	14.9	12.9	0.13	0.09	3	3	2	0	1
		CF2	32.4	52.7	14.9	12.9	0.13	0.09					
SC4949	9006	CF1	53.0	37.0	10.0	9.0	0.11	0.09	3	1	1	1	2
		CF2	53.0	37.0	10.0	9.0	0.11	0.09					
SC0707	7038	CF1	51.7	38.3	10.1	8.4	0.11	0.09	3	3	1	1	1
		CF2	50.5	39.4	10.1	8.4	0.11	0.09					
SC0101 (+)	7037	CF1	81.3	15.1	3.5	3.6	0.10	0.08	3	2	1	3	2
		CF2	81.3	15.1	3.5	3.6	0.10	0.08					
SC1111	7048	CF1 CF2	77.0	18.0	5.0	6.0	0.10	0.09	3	2	1	3	2
SC5959 (NEW)	7016	CF1	87.1	6.7	6.2	6.2	0.11	0.09	4	2	1	3	2
		CF2	87.1	6.7	6.2	6.2	0.11	0.09					
SC3030 (+)	7021	CF1	91.4	5.0	3.6	3.6	0.10	0.09	3	2	1	3	2
		CF2	91.6	4.8	3.6	3.6	0.10	0.09					
SC6060 (NEW)	9005	CF1	92.0	4.0	4.0	5.9	0.09	0.07	3	2	1	3	2
		CF2	92.0	4.0	4.0	5.9	0.09	0.07					

Other colors

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
SCM36 (+)	CF1	27.7	59.8	12.4	11.6	0.11	0.08	3	1	1	1	2
	CF2	23.4	64.2	12.4	11.6	0.10	0.07					
SC2002 (+)	CF1	26.4	58.2	15.5	13.7	0.13	0.09	3	1	2	1	2
	CF2	28.1	56.4	15.5	13.7	0.13	0.09					
SCM45 (+)	CF1	48.7	42.6	8.7	7.8	0.10	0.08	3	3	1	1	1
	CF2	52.4	38.9	8.7	7.8	0.10	0.08					
SC1002 (+)	CF1	39.1	49.2	11.7	10.2	0.11	0.08	3	1	1	1	2
	CF2	43.6	44.6	11.7	10.2	0.12	0.09					
SC0110 (+)	CF1	68.8	26.5	4.7	4.5	0.09	0.08	4	2	1	3	2
	CF2	73.8	21.5	4.7	4.5	0.10	0.08	3				
SC0102 (+)	CF1	56.2	37.2	6.7	6.6	0.09	0.08	4	2	1	3	2
	CF2	66.4	26.9	6.7	6.6	0.10	0.08	3				
SCM31 (+)	CF1	63.0	33.2	3.9	3.6	0.08	0.07	4	2	1	3	1
	CF2	70.9	25.2	3.9	3.6	0.09	0.08					
SC0207 (+)	CF1	37.4	50.9	11.7	9.9	0.11	0.08	3	1	1	1	2
	CF2	41.4	46.9	11.7	9.9	0.11	0.08					
SC0606	CF1	88.0	8.1	3.9	3.8	0.10	0.09	3	2	1	3	2
	CF2	87.7	8.4	3.9	3.8	0.10	0.09					
SC1011 (+)	CF1	87.4	6.5	6.1	6.1	0.09	0.07	4	3	1	1	1
	CF2	87.9	6.0	6.1	6.1	0.09	0.07					
SC0130 (+)	CF1	86.5	9.9	3.6	3.6	0.10	0.09	3	2	1	3	2
	CF2	83.8	12.6	3.6	3.6	0.10	0.08					
SC1006 (+)	CF1	73.2	21.1	5.7	5.0	0.10	0.09	3	2	1	3	2
	CF2	66.3	28.0	5.7	5.0	0.10	0.08					
SC2050	CF1	70.6	21.1	8.3	7.8	0.12	0.09	3	1	1	1	2
	CF2	59.7	32.0	8.3	7.8	0.11	0.09					
SCM33 (+)	CF1	73.4	23.0	3.6	3.0	0.09	0.08	4	2	1	3	2
	CF2	76.5	19.8	3.6	3.0	0.09	0.08					
SC0140 (+)	CF1	76.0	18.4	5.6	4.7	0.10	0.09	3	2	1	3	2
	CF2	77.6	16.8	5.6	4.7	0.11	0.09					

Subject to mistakes and technical changes.

The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

RAL equivalent for orientation • AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • g_{tot} ext. in the case of glazing type C according to NBN EN ISO520236.81-1 • g_{tot} ext. in the case of glazing type D according to NBN EN ISO520236.81-1 • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

(+): Extra fabric width of 125.98" for a selection of colors.

These colors are based on the latest trends in the interior design, exterior design and architecture world.

Architects' selection												
Ref.		AS	RS	TS	TV	gtot ext. C	gtot ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
SC3131	CF1	75.0	17.9	7.1	7.0	0.11	0.09	3	3	1	1	1
	CF2											
SC3231 (+)	CF1	70.4	236.81.5	7.1	6.6	0.11	0.09	3	3	1	1	1
	CF2	67.6	25.3	7.1	6.6	0.11	0.09					
SC3232 (+)	CF1	63.8	27.9	8.3	7.4	0.11	0.09	3	3	1	1	1
	CF2											
SC3301 (+)	CF1	74.7	17.0	8.3	8.0	0.12	0.10	3	3	1	1	1
	CF2	73.3	18.4	8.3	8.0	0.12	0.10					
SC3332 (+)	CF1	67.5	24.7	7.8	7.3	0.11	0.09	3	3	1	1	1
	CF2	69.7	236.81.5	7.8	7.3	0.11	0.09					
SC3333 (+)	CF1	72.4	20.5	7.1	6.8	0.11	0.09	3	3	1	1	1
	CF2											

Subject to mistakes and technical changes.
The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler (+): Extra fabric width of 125.98" for a selection of colors.

NATTÉ FIBERGLASS FABRIC

A Natté fiberglass fabric is fabric with a perpendicular weave pattern.

Ref.	RAL Equivalent		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
N-0202 (+)	9003	CF1	11	70	19	18	0.13	0.09	3	1	2	1	2
		CF2											
N-0236.810 (+)		CF1	21	62	17	14	0.13	0.09	3	1	2	1	2
		CF2											
N-0207 (+)		CF1	34	53	13	11	0.12	0.08	3	1	2	1	2
		CF2											
N-0201 (+)		CF1	47	44	9	6	0.10	0.08	3	2	1	1	2
		CF2											
N-0701 (+)		CF1	62	30	8	6	0.11	0.08	3	2	1	2	2
		CF2											
N-3001 (+)		CF1	85	12	3	3	0.10	0.08	3	2	1	3	2
		CF2											
N-3006 (+)		CF1	89	8	3	3	0.10	0.09	3	2	1	3	2
		CF2											
N-3030 (+)	7021	CF1	91	6	3	3	0.09	0.08	4	2	1	3	2
		CF2											

Subject to mistakes and technical changes.
The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

RAL equivalent for orientation • AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

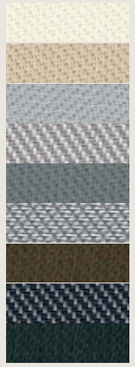
CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

(+): Extra fabric width of 125.98" for a selection of colors.

PRIVACY FIBERGLASS FABRIC

A Privacy (Sergé 1%) fiberglass fabric is a fabric with an openness factor of just 1%. This fabric offers privacy without restricting the view outside.

Ref.	RAL Equivalent		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
P-0202	9003	CF1	15.9	71.3	12.8	12.9	0.09	0.06	4	1	2	1	2
		CF2											
P-2020 (P-0808)	1015	CF1	39.9	54.2	5.9	3.7	0.06	0.04	4	2	1	2	2
		CF2											
P-0707	7038	CF1	60.3	36.9	2.8	2.1	0.05	0.04	4	2	0	3	2
		CF2											
P-0207		CF1	45.9	48.8	5.3	4.3	0.08	0.06	4	2	1	2	2
		CF2	36.2	58.5									
P-0101	7037	CF1	80.2	17.4	2.4	2.2	0.06	0.05	4	2	0	3	2
		CF2											
P-0102		CF1	53.0	44.8	2.2	2.0	0.06	0.05	4	2	0	3	2
		CF2	66.6	31.2									
P-0606 (P-1111)		CF1	90	8.6	1.4	1.3	0.06	0.05	4	2	0	3	2
		CF2											
P-0130		CF1	88.3	113.02	1.2	1.2	0.09	0.08	4	2	0	3	2
		CF2	84.8	14.0									
P-3030 (P-1010)		CF1	93	5.9	1.1	1.1	0.06	0.05	4	2	0	3	2
		CF2											



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RAL equivalent for orientation • AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

BLACKOUT FIBERGLASS FABRIC

This fiberglass fabric consists of a standard fiberglass fabric with a blackout PVC coating.

Technical properties	Satiné 21154
Composition	Fiberglass (28%) with PVC (72%)
Available width	82.88"
Fire class	NF P 92-503 (FR): M1
Lightfastness (ISO236.8186-3)	Grade 7/8
Thickness (ISO236.8186-3)	0.03”
Weight (ISO236.8186-2)	0.14 lb/ft²
Tearing strength warp (EN 1875 - 3)	7 daN
Tearing strength weft (EN 1875 - 3)	7 daN
Breaking strength warp (EN ISO 1421)	225 daN/ 0.2”
Breaking strength weft (EN ISO 1421)	190 daN/ 0.2”
Openness factor	0%

Ref.	RAL Equivalent		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
GVV 0101		CF1	79	21	0	0	0.03	0.02	4	0	0	4	4
GVV 0102		CF1	59	41	0	0	0.02	0.02	4	0	0	4	4
GVV 0210		CF1	48	52	0	0	0.02	0.02	4	0	0	4	4
GVV 0202		CF1	31	69	0	0	0.01	0.01	4	0	0	4	4
GVV 0707		CF1	63	37	0	0	0.02	0.02	4	0	0	4	4
GVV 2020	7038	CF1	45	55	0	0	0.02	0.02	4	0	0	4	4
GVV 3030	7021	CF1	93	7	0	0	0.03	0.03	4	0	0	4	4

Subject to mistakes and technical changes.
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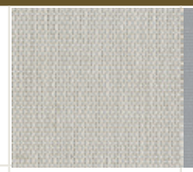
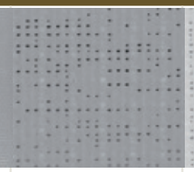
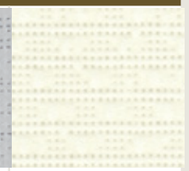
RAL equivalent for orientation • AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

POLYESTER FABRIC SOLTIS®

Screen fabrics made of coated pre-tensioned polyester fabric

These fabrics are crafted from high-tensile polyester yarn and feature a fine mesh, PVC-coated using the Precontraint technique. This method creates an exceptionally stable fabric that resists deformation under stress, achieving high tension with minimal sag. Ideal for large areas, these fabrics are suitable for both horizontal and vertical applications where transparency is essential.

Technical properties	Soltis Veozip	Soltis Horizon 86	Soltis Perform 92	Soltis Opaque B92 blackout fabric	Soltis Proof W96 waterproof fabric
					
Available width	125.98"	69.69/226.38"	69.69/226.38"	66.99"	105.12"
Fire class	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-507 (FR): M1	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-503 (FR): M1	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-503 (FR): M1	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-503 (FR): M2	NF P 92-503 (FR): M1
Thickness (EN ISO 236.8186-3)	approx. 0.04"	approx. 0.02"	approx. 0.02"	approx. 0.02"	approx. 0.02"
Weight (EN ISO 236.8186-2)	approx. 0.12 lb/ft²	approx. 0.08 lb/ft²	approx. 0.09 lb/ft²	approx. 0.13 lb/ft²	approx. 0.13 lb/ft²
Tearing strength warp (DIN 53.363)	25 daN	45 daN	45 daN	45 daN	25 daN
Tearing strength weft (DIN 53.363)	25 daN	20 daN	20 daN	25 daN	20 daN
Breaking strength warp (EN ISO 1421)	250 daN/0.2"	230 daN/0.2"	310 daN/0.2"	330 daN/0.2"	220 daN/0.2"
Breaking strength weft (EN ISO 1421)	170 daN/0.2"	160 daN/0.2"	210 daN/0.2"	220 daN/0.2"	220 daN/0.2"
Openness factor	5%	14%	3%	0%	4-5%

POLYESTER FABRIC SOLTIS® VEOZIP

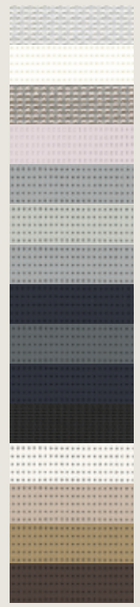
This polyester fabric features a natural look and feel, thanks to the incorporation of hemp thread.
Its opening factor provides an ideal balance between visibility from the outside and glare protection.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
VZ-51184	CF	32.0	59.0	9.0	8.0	0.07	0.04	4	2	1	1	2
VZ-51185	CF	41.0	50.0	9.0	8.0	0.07	0.04	4	3	1	0	1
VZ-51186	CF	57.0	37.0	6.0	6.0	0.06	0.04	4	2	1	1	2
VZ-51187	CF	56.0	37.0	7.0	7.0	0.06	0.04	4	3	1	0	1
VZ-51194	CF	88.0	7.0	5.0	5.0	0.06	0.04	4	2	1	1	2
VZ-51198	CF	90.0	5.0	5.0	5.0	0.06	0.04	4	2	1	1	2

Subject to mistakes and technical changes.
The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

POLYESTER FABRIC SOLTIS® HORIZON 86

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
S86-2051 (+)	CF1	40.0	40.0	20.0	20.0	0.17	0.12	2	3	2	0	0
	CF2	20.0	60.0	20.0	20.0	0.15	0.10	2	3	2	0	0
S86-2046 (+)	CF1	36.0	43.0	21.0	20.0	0.17	0.13	2	3	2	0	0
	CF2	236.81.0	57.0	21.0	20.0	0.16	0.11	2	3	2	0	0
S86-2048	CF1 CF2	42.0	39.0	19.0	19.0	0.16	0.12	2	4	2	0	0
S86-2171 (+)	CF1 CF2	42.0	39.0	19.0	17.0	0.16	0.13	2	4	2	0	0
S86-2068	CF1	49.0	35.0	16.0	15.0	0.15	0.12	2	4	2	0	0
	CF2	77.0	7.0	16.0	15.0	0.17	0.14	2	4	2	0	0
S86-2167 (+)	CF1 CF2	68.0	17.0	15.0	14.0	0.16	0.13	2	4	2	0	0
S86-2047 (+)	CF1 CF2	78.0	7.0	15.0	15.0	0.17	0.14	2	4	2	0	0
S86-51176 (NEW)	CF1	81.0	5.0	14.0	14.0	0.10	0.07	2	4	2	0	0
S86-2044 (+)	CF1 CF2	12	59	29	28	0.20	0.14	2	3	2	0	0
S86-2135 (+)	CF1 CF2	39.0	41.0	20.0	17.0	0.16	0.13	2	3	2	0	0
S86-2012 (+)	CF1 CF2	55.0	27.0	18.0	16.0	0.17	0.12	2	4	2	0	0
S86-2043 (+)	CF1 CF2	74.0	11.0	15.0	15.0	0.16	0.13	2	4	2	0	0



Subject to mistakes and technical changes.
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POLYESTER FABRIC SOLTIS® PERFORM 92

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
S92-2051 (+)	CF1	41.0	47.0	12.0	11.0	0.12	0.08	3	1	1	1	2
	CF2	21.0	67.0	12.0	11.0	0.10	0.07	3	1	1	1	2
S92-2046 (+)	CF1	43.0	48.0	9.0	8.0	0.10	0.09	3	1	1	1	2
	CF2	28.0	63.0	9.0	8.0	0.08	0.07	4	1	1	1	2
S92-2048 (+)	CF1	46.0	46.0	8.0	8.0	0.09	0.07	4	1	1	1	2
	CF2											
S92-50272 (+)	CF1	33.0	55.0	12.0	9.0	0.11	0.08	3	1	1	1	2
	CF2											
S92-2171 (+)	CF1	51.0	41.0	8.0	6.0	0.10	0.08	3	2	1	2	2
	CF2											
S92-2068	CF1	62	34	4	4	0.08	0.07	4	2	1	3	2
	CF2	88	8	4	4	0.10	0.09	3	2	1	3	2
S92-2074 (+)	CF1	60.0	37.0	3.0	4.0	0.07	0.07	4	2	1	3	2
	CF2	72.0	25.0	3.0	4.0	0.08	0.08	4	2	1	3	2
S92-2167 (+)	CF1	78.0	19.0	3.0	3.0	0.09	0.09	4	2	1	3	2
	CF2											
S92-2047 (+)	CF1	87	8	5	5	0.11	0.09	3	2	1	3	2
	CF2											
S92-51176 (NEW)	CF1	92.0	5.0	3.0	3.0	0.04	0.03	3	2	1	3	2
S92-2044 (+)	CF1	13.0	68.0	19.0	17.0	0.14	0.09	3	1	2	1	2
	CF2											
S92-2175 (+)	CF1	16	65	19	17	0.14	0.10	3	1	2	1	2
	CF2											
S92-50265 (+)	CF1	42	49	9	6	0.10	0.07	3	2	1	2	2
	CF2											
S92-2012 (+)	CF1	63	30	7	6	0.10	0.08	3	2	1	3	2
	CF2											
S92-2043 (+)	CF1	83	13	4	4	0.10	0.09	3	2	1	3	2
	CF2											
S92-2135 (+)	CF1	45	46	9	6	0.10	0.08	3	2	1	1	2
	CF2											

Subject to mistakes and technical changes.
The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmission factor in % • TV: light transmission factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

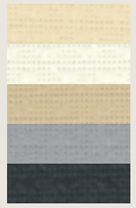
CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

(+): Extra fabric width of 105.12" for a selection of colors.

POLYESTER FABRIC SOLTIS® PROOF W96

This polyester fabric is woven using the Précontraint technique and a waterproof, translucent coating has been applied to it.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
W96-1103	CF1	16	67	17	16	0.13	0.09	3	0	2	2	4
	CF2											
W96-8102	CF1	12	71	17	17	0.12	0.08	3	0	2	2	4
	CF2											
W96-8861	CF1	24	63	13	9	0.11	0.08	3	0	1	2	4
	CF2											
W96-2171	CF1	39	52	9	4	0.09	0.07	4	0	1	2	4
	CF2											
W96-2047	CF1	86	11	3	3	0.1	0.08	4	0	1	3	4
	CF2											



Subject to mistakes and technical changes.
The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmission factor in % • TV: light transmission factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

BLACKOUT POLYESTER FABRIC SOLTIS® OPAQUE B92

A blackout fabric sun protection is the ideal solution for bedrooms, whether installed indoors or outdoors.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
B92-2135	CF1	53	47	0	0	0.05	0.04	4	0	0	4	4
B92-2171	CF1	55	45	0	0	0.05	0.05	4	0	0	4	4
B92-1043	CF1	87	13	0	0	0.08	0.07	4	0	0	4	4
B92-1044	CF1	30	70	0	0	0.03	0.02	4	0	0	4	4
B92-1045	CF1	62	38	0	0	0.05	0.05	4	0	0	4	4
B92-1046	CF1	51	49	0	0	0.05	0.04	4	0	0	4	4
B92-51176 (NEW)	CF1	94	6	0	0	0.02	0.02	4	0	0	4	4

Subject to mistakes and technical changes.
The colors printed here may differ slightly than the actual colors. Please refer to our fabric swatch for exact colors.

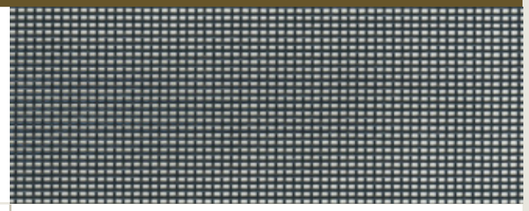
AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmission factor in % • TV: light transmission factor in % • gtot ext. for glazing type C • gtot ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

TUFFSCREEN

Insect fabric

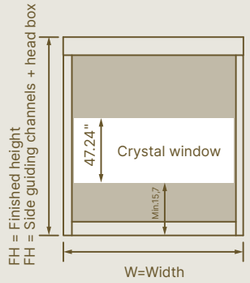
In products featuring ZipShade® Technology, an insect screen can be effectively integrated. When lowered, the screen serves as a barrier, keeping insects out of your home.

Technical properties	Tuffscreen
	
Composition	Polyester fabric (Polyester 28% - PVC 72%)
Weight	0.05 lb/ft²
Mesh	17×13
Wire thickness	0.03”
Maintenance	Water with mild soap
Confection	HF welding (always with gray welding strip)
Hardness	High wind, moderate gale, near gale
Available min. width	120.08”
Available colors	Black
Restrictions in fabric dimensions	No

CRYSTAL FABRIC

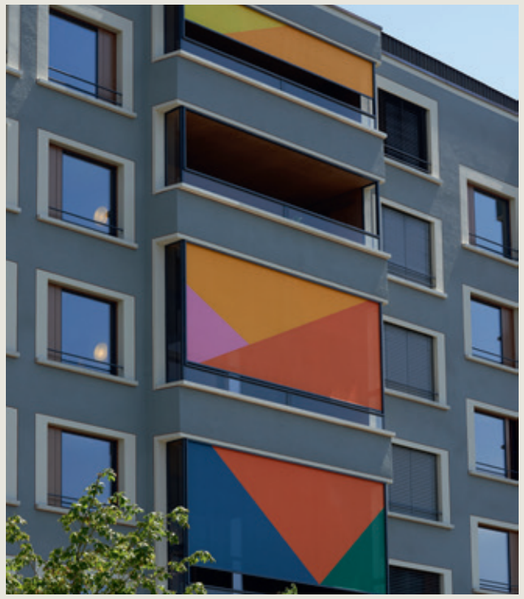
Transparent fabric

A transparent crystal fabric can be incorporated into the fiberglass fabric of the ZipShade® Medium Slim F and ZipShade® Large F models, ensuring an optimal view of the outdoors. The crystal window spans the full width of the screen with a height of 47.24” and requires a clearance of 15.74” from the bottom edge.



CUSTOM PRINT

Aside from our standard range, fabrics can also be customized. Options include printing your business logo or a photo onto a screen underneath a patio cover.



CONTROL

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Sensors	159
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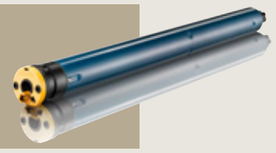
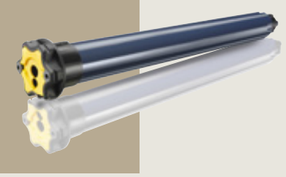
MOTORS

The motor is a crucial component when automating fabric sun protection, making it essential to select a reliable solution tailored to your needs. All motors are designed to provide optimal comfort and ease of use.

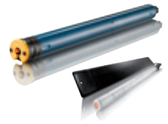
Mechanical Somfy Motor
The standard tubular motor suitable for all applications. Final adjustments can be made using a universal setting cable or directly on the motor head. Corded motors are compatible with switches and home automation systems.



Radio-controlled Somfy RTS Motor
These radio-controlled motors use RTS technology. They combine the benefits of wired tubular motors with wireless technology, allowing control via remote and wireless wall switches, without feedback. These motors can be adjusted wirelessly.



Radio-controlled Somfy Solar motor
The Solar motor is a radio-controlled RTS Motor where the battery recharges itself thanks to the durable solar panel. This motor offers all the advantages of radio-controlled motors, i.e., wireless end limit settings and control.

	WIRED MOTORS	RADIO-CONTROLLED SOMFY MOTORS	
	Control via wired wall switch Combines perfectly with switches or home automation systems (Building management systems Legrand, NHC, KNX...)	Control via wireless remote control or wall switch Suitable for app control with Somfy home automation system	
Motor type	**Mechanical Somfy Motor**	**Somfy RTS Motor**	**Somfy Solar Motor**
			
Connection			
Power Supply	Power grid	Power grid	Solar power
Parallel switching 2 or more motors	✓ via relay	✓	✓
Setting end points			
Physical setting on the motor	✓	-	-
Setting with remote control	-	✓	✓
Automatic setting via setting cable	-	-	-
Applicability			
ZipShade®	✓	✓	-
ZipShade® Solar	-	-	✓
ZipShade® Minimal	-	✓	-
ZipShade® Minimal Solar	-	-	✓
Panovista	✓	✓	-
Panovista Max	✓	✓	-
ZipShade® Top	✓	✓	-
ZipShade® Top Max	✓	✓	-
ZipShade® Top Max F	-	✓	-
Radio-controlled features			
Range	-	65.62 feet through two concrete walls.	65.62 feet through two concrete walls.
Signal frequency	-	433,42 Mhz	433,42 Mhz

SENSORS

These sensors automatically monitor your comfort by responding to specific conditions based on preset scenarios, such as your preferences or weather changes. They continue to operate autonomously even when you're away, helping to extend the lifespan of your sun protection system. Additionally, automated sun protection can reduce energy consumption by up to 36%.

Wind sensor
A wind sensor retracts your sun protection when wind speeds exceed a preset limit, safeguarding the system against unexpected strong winds. Our wireless sensor is easy to install and requires minimal wiring.

Sun sensor
A sun sensor adjusts your sun protection based on sunlight intensity, ensuring the indoor temperature remains comfortable, even when you're away. Our wireless sun sensor is easy to install and can be placed either on a façade or inside a window for optimal performance.

Wind & sun sensor
A wind & sun sensor responds to both sun intensity and wind speed, offering comprehensive automated control.

Choice guide? See page 160

OPERATING METHODS

Comfort is the top priority when it comes to controlling sun protection screens.
You can choose from several options depending on the application, accessibility, and the style of your interior.

Wired wall switch
Thanks to a fixed pressure switch near the screen, you can operate it easily and efficiently. These switches can be surface-mounted or recessed.

Wireless wall switch
Local wireless wall switch powered with batteries. The wireless design allows you to place this switch anywhere you like on the wall. Simply affix the adhesive strip on the back of the switch to the surface.

Wireless remote control
Operate your sun protection screens effortlessly with our sleek and convenient remote control, allowing you to adjust settings without leaving your seat. One remote control can operate multiple screens simultaneously, providing maximum convenience.

Choice guide? See page 161

CHOICE GUIDE

MOTORS

Type of local control	Via wired wall switch (max. 2 per switch)	Via wireless remote control or wall switch	
Couple with sensor(s)?	Coupling with sensors not possible	Coupling with sensors possible	
Obstacle detection	-	-	-
Warranty (year)	5	5	7
Result	**Somfy Mechanical**	**Somfy RTS**	**Somfy Solar**

Control type	Wired home automation system (KNX, Niko Home Control, Qbus, Loxone, etc.)	Wireless home automation system (Somfy TaHoma) + wireless remote control or wall switch	
Sensor coupling	Coupling with sensors possible		
Obstacle detection	-	-	-
Warranty (year)	5	5	7
Result	**Somfy Mechanical**	**Somfy RTS**	**Somfy Solar**

SENSORS & CONTROL

		Somfy RTS								
SENSOR CHOICE	**Sensors linked**	Yes						No		
	Type of sensor	Wind		Sun		Sun + Wind				
	Sensor power supply	Mains supply (230 V)	Wireless (battery)	Mains supply (230 V)	Wireless (battery)	Mains supply (230 V)	Wireless (battery)	-		
	Result	**Eolis RTS**	-	-	**Sunis Wirefree RTS**	**Soliris RTS**	-			

CHOICE OF CONTROL	**Number of screens controlled**	1 screen	2-5 screens	5+ screens	1 screen	2-5 screens	5+ screens
	Hand transmitter	Situo 1 Soliris RTS	Situo 5 Soliris RTS	-	Situo 1 Soliris RTS	Situo 5 Soliris RTS	Telis 16 RTS
	Wall transmitter	-	-	-	Smoove origin RTS / Smoove 1 IO	-	-
	App control	Renson Connect (in combination with Somfy TaHoma Switch)					

		Somfy Mechanical			
CHOICE OF CONTROL	**Number of screens to control**	1 motor or relay		2 motors or relay	
		Surface-mounted	**recessed**	**Surface-mounted**	**recessed**
	Wall-mounted remote control with fixed zero point (keeps running until end position)	Inis surface-mounted (fixed)	Smoove Uno (fixed)	-	Smoove Duo (fixed)
	Wall-mounted remote control with automatic zero point (stops when stop is pressed)	Inis surface-mounted (auto)	Smoove Uno (auto)	-	Smoove Duo (auto)

GENERAL

Cable feed position and confection side	166
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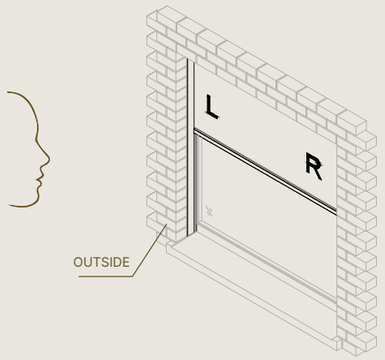
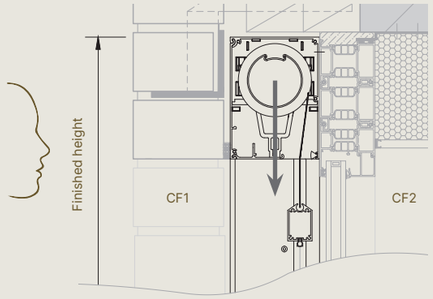
POSITION CABLE FEED AND CONFECTION SIDE

The position of the cable feed for vertical fabric sun protection depends on the product and installation method chosen. Each position has a specific code and can be positioned to the left or right as needed. The perspective for determining the left or right cable feed is indicated in the technical drawings in our brochure, using a face illustration. For the Panovista (Max) corner solution, this perspective also determines the section width on the left or right.

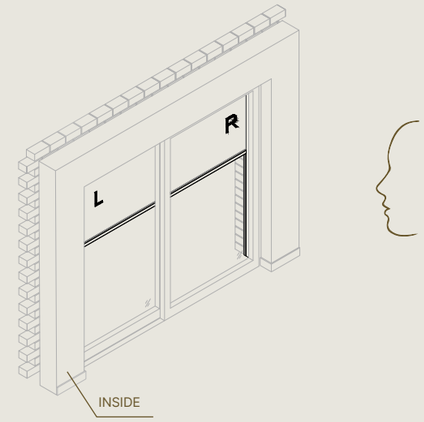
All fabrics have two sides, with a subtle difference in the weave of woven fabrics. Confection side 1 (CF1) represents the top side of the fabric sample in the Renson fabric sampler, showing how the screen appears from the outside. Confection side 2 (CF2) represents the bottom side of the fabric sample. CF1 and CF2 are clearly indicated on all technical drawings.

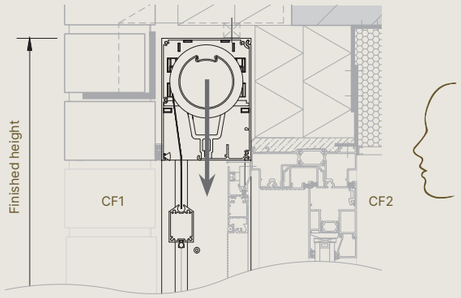
ZipShade® IM 1 (+) (Solar), IM 7A
ZipShade® ® Minimal IM 1 (Solar), IM 7A/B
Panovista® (Max)





ZipShade® IM 7B





HOW DO I MEASURE A SCREEN?

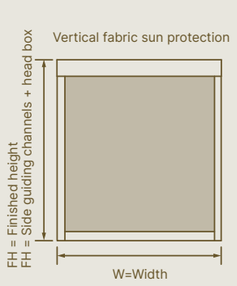
To accurately calculate the price and place an order for a screen, it is crucial that the dimensions are measured and entered correctly. Below is further clarification on measuring dimensions for the various solutions.

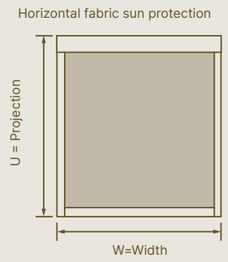
Single screen for

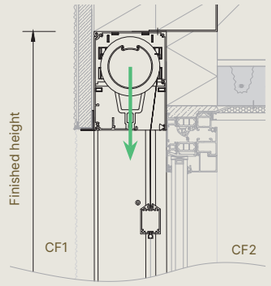
- ZipShade® IM 1 (Solar) (F) & IM 7 (F)
- ZipShade® Minimal IM 1 (Solar) (F)
- ZipShade® Top
- ZipShade® Top Max (F)

Width = the total measured width of the head box, including the side supporting end caps.
Note!
- Allow a 0.08" margin for thermal expansion of the head box in case of surface-mounting (IM 1).

Finished height or projection = side guiding channels (incl. base plate) + head box





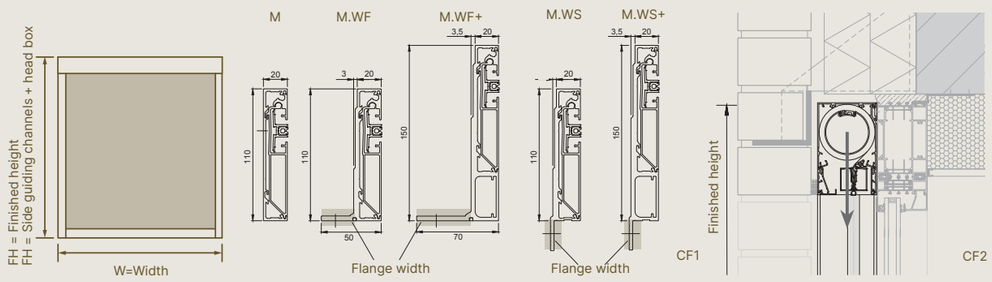


Single screen for

- ZipShade® Minimal IM 7 (F)

Width = the total measured width of the head box, including the side supporting end caps.
Note! The flange width of the side guiding channel type .WF(+)/.WS(+) is therefore not included in the total measured width of the head box. See visual for example of Medium side guiding channels.

Finished height = side guiding channels (incl. base plate) + head box

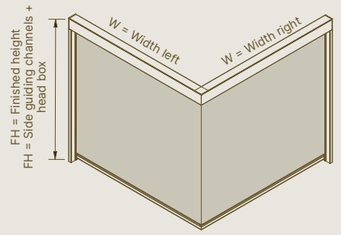


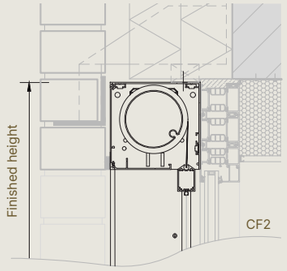
Panovista®(Max)

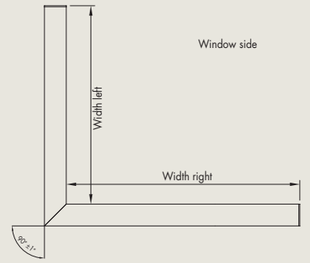
Single screen for:
- Panovista (Max)

Width = the total measured width of the head box, including the side supporting end caps. In angled solutions, the width is always measured on the window side.

Finished height = side guiding channels (incl. base plate) + head box





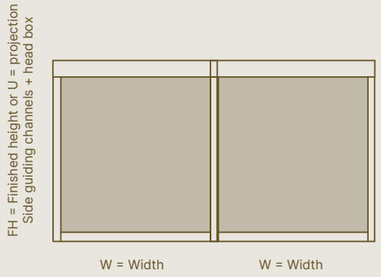


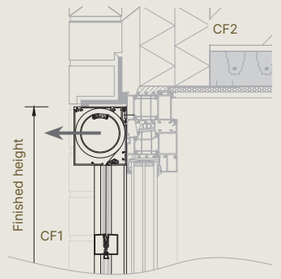
Coupled or linked screen for

- ZipShade® IM 1, IM 1+ & IM 7
- ZipShade® IM 1 & IM 7
- ZipShade® Top
- ZipShade® Top Max (F)

Width = the total measured width of one part. On the coupled or connected side, this runs to the center of the coupling side guiding channel or mounting base.
Note!
- Allow 2 mm margin for thermal expansion of the head box in case of surface-mounting (IM 1).
- ZipShade® Minimal: The flange width of the side guiding channel type .WF(+)/.WS(+) is therefore not included in the total measured width of one part.

Finished height or projection = side guiding channels (incl. base plate) + head box





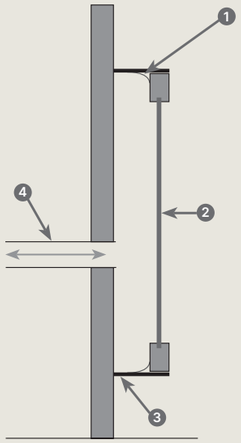
STANDARD EN13561

This sun protection meets the European standard EN 13561, which addresses performance and safety requirements for construction, transport, installation, control, and maintenance. Compliance is evaluated through various tests and calculations, ensuring reliability and safety. Adhering to EN 13561 is important for the U.S. market as it signifies high-quality standards and safety, comparable to local regulations, thus providing reassurance about product durability and performance in different environments.

This standard has two objectives:

1. Defining the technical performance of the product. This technical performance should allow the safe application of the products to be evaluated.

2. Providing the basis for CE marking. CE marking refers only to properties imposed by the regulator when a product is placed on the market. From July 1, 2013, manufacturers are required to provide a Declaration of Performance with CE-marked products. The Declaration of Performance is drawn up by the manufacturer and provides information on the main performance of the product and its intended use.



Vertical section of the wind tunnel:

1. Seal
2. Sample
3. Wind frame
4. Connection to a fan (≥ 10,000 Pa) and measurement of the underpressure and overpressure

Result

The pressure gradually increases. At a pressure of 600 Pa, the zipper was pulled from the side guiding channel without tearing.

Wind class	Nominal test pressure p (N/m^2)	Safety test pressure 1.5 p (N/m^2)
0	< 40	< 48
1	40	48
2	70	84
3	110	132

Pressure tests: Pressure tests are carried out to determine which wind class sun protection systems belong in (according to EN 13561). This is a test in a wind tunnel in accordance with NBN EN 1932. Underpressure and overpressure on the wind tunnel is simulated using a fan and a system of electrically controlled valves.

335 Pa

max. 600 Pa

Wind tunnel tests

In addition to pressure tests, wind tunnel tests are highly suitable for determining the wind resistance and durability of sun protection systems. Wind tunnel tests are not standardized. But Renson® carries out wind tunnel tests anyway as they provide more accurate results. This forms the basis for the warranties we offer on our products.

In the ZipShade® tests, the sun protection is exposed to wind speeds as high as 80.78 mph. This is equivalent to a hurricane force of 12 Beaufort. The fabric remains taut during these wind speeds, there is no gap between the guiding channel and fabric, and the zipper stays in the guiding channels.

Non-windproof sun protection at 18.64 mph

ZipShade® at 80.78 mph

Beaufort scale				
Beaufort	**Description**	**Average speed in mph**	**Average speed in km/h**	**Effects**
0	Calm	0 – 1	< 1	You don't feel the wind. Smoke rises vertically.
1	Light air	1 – 3	1 - 5	Wind direction can be read from the smoke plume, but not from the weather vane.
2	Light breeze	4 – 7	6 – 12	Wind can be felt on the face, leaves rustle, the weather vane moves visibly with the wind.
3	Gentle breeze	8 – 12	13 – 19	Flags wave and leaves move about constantly.
4	Moderate breeze	13 – 18	20 – 27	Dust blown up irritates eyes. Hair blown in face.
5	Fresh breeze	19 – 24	28 – 37	Bushes rustle, white wave peaks on lakes and canals.
6	Strong breeze	25 – 31	38-48	Umbrellas are difficult to hold on to, large branches sway, power lines hum.
7	High wind, near gale	32 – 38	49 – 62	It is difficult to walk into the wind. Trees sway.
8	Gale	39 – 46	63 – 73	Making headway is very difficult. Small branches break off.
9	Severe gale	47 – 54	74 – 87	Chimney tops, roofing tiles and aerials blow away.
10	Storm	55 – 63	88 – 102	Adults knocked over. Major structural damage to buildings.
11	Violent storm	64 – 72	103 – 117	Major damage to houses and forests.
12	Hurricane	> 72	> 118	Total destruction.

WARRANTY

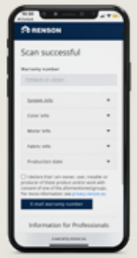
At Renson® we exclusively use high-quality materials. This ensures your customer enjoys an extended warranty period on all parts and your peace of mind is guaranteed.

As a manufacturer, we guarantee:

- 5-year product warranty on all defects arising from normal domestic use and provided regular maintenance has been carried out. (Annual maintenance required for Panovista Max.)
- 5-year warranty at gloss level for aluminum profiles.
- 5-year warranty on fabric collection (2-year warranty on Crystal fabric)
- 5-year warranty on ZipShade® Technology for freestanding ZipShade® applications, ZipShade® Minimal and ZipShade® Top Max.
- 7-year warranty on the ZipShade® Technology for ZipShade®, ZipShade® Minimal, Panovista, ZipShade® Top and ZipShade® Top Max - zipper remains in side guiding channel - optimal attachment of zipper to fabric.
- 7-year warranty Panovista Max technology with annual maintenance.
- 7-year warranty on the Somfy Solar pack.
- 10-year warranty on all coatings on the aluminum profiles.

5 YEARS 7 YEARS 10 YEARS

WARRANTY PERIOD
Starts on the date of production and applies only to the product itself, and not its installation. The warranty is only valid if the product is used and maintained in accordance with the prescriptions contained in the user manual. The warranty becomes void if the product is used incorrectly or in an abnormal way. When reporting a problem, always state the warranty number.



Warranty and product information now easier to access

To ensure the warranty process runs smoothly, Renson always asks for your warranty number, Renson® uses this to offer you optimal support. The Renson® warranty number can be found on the guarantee certificate, and also on the unique QR code on the screens. Scan this QR code to instantly find key product information.

MAINTENANCE

Fabric sun protection solutions are low maintenance. If used carefully, your sun protection's lifespan can be extended by many years.

A few general rules:

- If the fabric gets wet during an unexpected shower, you can roll it up before lowering it again in better weather to let it dry. Do not allow the fabric to stay rolled up wet for more than three days so as to prevent mold and stains.
- Before cleaning, remove loose dirt with a brush. You can then use a cleaning product (avoid caustic products) and lukewarm water to remove any remaining dirt. Always rinse the fabric after cleaning. Do not clean the fabric in direct sunlight: If soapy water dries too quickly, it may leave stains on the fabric.
- High-pressure cleaning devices are NOT recommended.
- Do not use abrasive products to clean.
- Hinged or rotating parts should be lubricated annually. A dry lubricant (Teflon) should be used to do so.
- Regularly check your screen for twigs, leaves, etc. and remove them. Maintain this product with due care and attention. As a manufacturer, we recommend a regular technical inspection by the installer: annually for commercial buildings and every two years for sun protection at home.
- For nonaggressive environments, we recommend maintenance every six months. For aggressive environments (sea, heavy industry, etc.), we recommend frequent maintenance, around four times a year.
- Always use original parts from the manufacturer.

Maintenance is easy with the Renson® Maintenance Set

- The structure is made using powder coated aluminum. Yearly cleaning with the **Renson® Maintenance Set** will make sure the intense color of your cover is maintained for years and provides extra protection from acid rain, sea air and UV rays. For coastal and woodland areas, we recommend that you perform maintenance on your products at least twice a year.
- **Renson® Clean** is a concentrated product with strong cleaning and degreasing properties that act against the most common types of natural dirt, such as dust, oily rainfall, grease stains, moss, insect remains, and so on.
- This product cannot be compared to other cleaning products on the market. It penetrates deeply and "lifts out" the dirt. Renson Clean can also be used to clean polyester roof fabrics and vertical fiberglass screen fabrics.
- After cleaning, make sure you protect your aluminum structure using **Renson® Protect**. This product leaves a protective film that enables you to clean the surface by simply wiping it down with a small amount of **Renson® Clean**. It also protects the aluminum from acid rain, sea air and UV radiation, and ensures the color remains just as intense.
- Do not use either product in direct sunlight or hot weather. The product's quick-drying action can leave stains on the structure or the fabric screen. Do not use corrosive or aggressive products, scouring pads or other scouring products. You should also not pressure wash your products under any circumstances.

Renson® Maintenance Set

* See our user manual for more information.

RENSON COLORS

We offer a wide range of colors. Available as standard in approximately 100 different colors with gloss level 70%, gloss level 30%, or textured coating. This ensures that fabric sun protection always integrates seamlessly with the style of the building. The choice is yours: a glossy or matte version, or a trendy textured coating that is not only wear- and scratch-resistant, but also easy to maintain.

To guarantee the colorfastness of the coating, we recommend Seaside Quality for coastal areas and other aggressive environments (heavy industry, etc.) This ensures that the screen's coating always remains in perfect condition and looks like new even after many years.

Bi-color

If desired, the head box, both side guiding channels, the bottom bar and mounting feet can be finished in two different colors, depending on the look of the building and the customer's requirements.

For example, in the case of a Fixvent Mono AK, the inside of the head box can be chosen to match the interior while the outside can match the profiles on the outer side of the façade.

More info

Consult our color guide.

GLOSSARY

Aluminum

Aluminum is a light but strong material, with a long service life that is ideal for modern architecture. It lends itself perfectly to slender profiles and facilitates large over-tension. It is also 100% recyclable and very easy to maintain.

Anodization

Anodization is one of the most commonly applied finishes of aluminum. Anodization is an electrolytic process whereby the natural tendency of aluminum to form an oxide film on the surface area is enhanced by electrolytic processing. In doing so, the workpiece is connected as anode The resulting coating has protectively, decoratively and functionally enhanced features.

Bottom bar

The bottom bar manufactured from extruded aluminum is heavily weighted with a rod of galvanized steel. It is encased in PE-foam to prevent contact between the aluminum and steel. For a perfect seal with the sill, the bottom bar is fitted with a plastic sealing strip.

Cable feed

The location of the cable feed is related to the choice of product and installation method. Every location has a specific code and can be located left or right. The position from which to determine the choice of cable location left or right is indicated on the technical drawings in our brochure by means of the image below of a face.

Cable length

It is possible to extend the motor cable if the local conditions require it. The standard cable length is 9.84 ft. or 16.40 ft., depending on the motor type. This cable length can be extended to 32.81 ft. for an efficient connection to the grid.

CE marking

The EN standards lay down the rules with regard to the products in the market and form the basis for a CE mark. Our CE mark proves our products meet the legal requirements for safety, health, and the environment.

Click&Safe

In case of hidden installation, Click&Safe ensures a safe installation of the fabric set. During installation, the fabric set simply clicks to the head box, leaving the installer free to safely complete the installation.

Confection

Fabrics are cut mechanically, thermally or ultrasonically. Fabrics are thermally welded or via high frequency.

Confection side (CF1 and CF2)

A fabric has two sides. In case of woven fabrics, there is a small difference in the weaving.
Confection side 1 is the top of the fabric sample in the Renson fabric sample swatch. This is the exterior view of the screen fabric. Confection side 2 is the bottom of the fabric sample in the Renson fabric sample swatch. The confection side is marked on all technical drawings.

Connect&Go Technology

The Connect&Go Technology consists of a patented, splash-proof electrical connector in two parts: a female part in the head box and a male part on the fabric set. The Connect&Go Technology guarantees a quick, safe and simple installation of the fabric set, the motor and the fabric. Dismounting the fabric set barrel is also efficient. The Connect&Go Technology consists of a patented, splash proof electrical connector in two parts: a female part in the head box and a male part on the fabric set barrel package. See page 20.

Coupled

Coupled screens are two different screens in which case the head box runs through. In the middle, there is a coupling side guiding channel in which both fabrics are guided. These coupled screens are powered by 1 or 2 motors.
In case of motorization with 1 motor, the screens are operated together and they roll up and down together.
With motorization with 2 motors the screens can be operated together, but also separately. Ideal for sliding doors or sliding windows.

Declaration of Performance (DoP)

DOP stands for Declaration of Performance or Performance DOP. This mandatory declaration is compiled by Renson and proves that the sun protection meets the performances that are required for the specific application thereof. These performances are described in the CE standard. The CE mark is therefore also in the DOP-declaration.

EN 13561

Solar shading must comply with the harmonized standard NBN EN 13561 (Awnings - Performance requirements including safety) which was registered as a Belgian standard by the Belgian Institute for Standardization (BIN) on 9 September 2014. (also see p 244)

EN 14501

Thanks to the standard NBN EN 14501 (Sunshades and shutters
- Thermal and visual comfort - Performance features and classification) it is possible to divide the fabrics into classes depending on their performance. The classes are defined with respect to their impact on the thermal and visual comfort (0 = very little impact, 4 = pronounced positive impact). This norm can therefore serve as an additional resource for the choice of the screen fabric that best fits the special wishes of the client.

Fabric cord

At the top and bottom, the screen fabric is attached with a cord in a fabric eyelet or with a fixed cord (piping or strip). The screen fabric is thus firmly contained in the fabric set and the bottom bar.

Fabric set

The fabric set is manufactured from galvanized steel and fitted with a unique recessed groove to limit compression of the fabric eyelet. As a result, the horizontal line formation is greatly reduced.

Fabric set end piece

The patented fabric set end pieces are conical (cone-shaped) to compensate for the thicker ends of the rolled-up zipper and thus ensure a perfect roll-up of the fabric.

Finished height

This dimension is important to determine the order size of the screen. The finished height is equal to the total distance between the bottom of the side guiding channels and including the head box in case of vertical screens.
Exceptions:
- When brackets are used (with IM 5 and IM 9) the finished height is exclusive of the bracket.

Fire resistance of a fabric

The fire resistance indicates the extent to which the fabric responds and performs in case of fire.

Freestanding

Freestanding means that there is no underlying construction behind the sun protection or underlying construction behind the window.
Note that the maximum wind speeds can be lower in this case.

Gloss level

Powder coating colors are available with various gloss levels: RAL: gloss level of 70%, MATT: gloss level of 30%.

Head box

The head box consists of extruded aluminum profiles. The ends are provided with side supporting end caps that support the roll-up mechanism and are fitted with pins to slide the head box on to the side guiding channels. The head box is closed by means of a removable profile which hinges in the fixed cupboard profile and can be disassembled.

Head box extension

Head box extension can be requested for certain installation methods. The head box is extended along 1 or 2 sides and the head box profiles continue in relation to the side supporting end caps. This can be interesting for aesthetic reasons where this head box extension fills an empty space above the window next to the screen or where two head box extensions are formed into one corner.

Hirschmann Plug

Hirschmann plugs ensure an easy, high quality, safe and durable coupling of motor cables if the supplied cable length is not sufficient. At the same time, the plug ensures that there is no water infiltration during bad weather conditions, that it does not detach during heavy vibrations and that no hazardous substances can penetrate the plug. The Hirschmann plugs can be delivered assembled or non-assembled and are available in two versions (4 or 5-wire), depending on the motor type.

Inclination angle

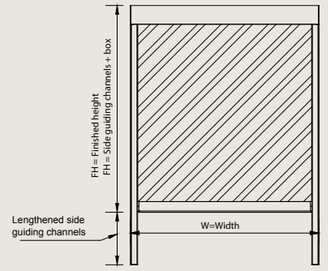
For horizontal sun protection, the inclination angle is requested to determine which type of fabric can be used and which dimensions can be realized, in order to offer the best technical solution, for instance to prevent water sagging and/or wrinkling.

Insect proof

When closed, insects do not get a chance to enter your home. There is no gap between side guiding channel and screen. A bottom bar with a sealing strip ensures a perfect connection to the sill. This means that intensive ventilation can take place during the day as well as at night.

Lengthened side guiding channels

From an architectural point of view, in order to achieve a perfect connection to a sill, the side guiding channels can be extended. The additional length of the side guiding channels can be defined independently of each other. Note that the height of the fabric is manufactured according to the specified finished height of the screen, i.e., excluding the additional extension of the side guiding channels.



Linked

Linked screens means that two screens are installed next to each other, without a connection between the two head boxes. Both screens have their own motor, own head box and own side guiding channels and are linked possibly using mounting feet. In doing so, expansion must be taken into account.

Powder coating

Powder coating is an electrostatic coating process in which compressed air, negatively charged powder is sprayed onto a positively charged workpiece. This keeps the powder temporarily sticking, after which it is melted or fused in an oven. Powder coating is an environmentally friendly process as during the paint process, no solvents are released because no chemical additives are needed to attach the powder to the aluminum profiles.

Powdercode colors

Powdercode is a coding system to define colors and coatings.

Pre-anodization

Pre anodization is a pre-treatment that protects the aluminum profiles against aggressive environments such as coastal areas, heavy industries, etc. It is a thin, non-sealed anodized layer, which is used separately for powder coating in an anodization line and avoids filiform corrosion.

Precontraint method

The Precontraint method is the production technique for Soltis polyester fabric. After the weaving process, the fabric is pulled to high tension in both directions and is fixed with a liquid PVC.This provides the fabric with a great deal of dimensional stability, so that it cannot become deformed under load. The same technique also ensures that the canvas has the same thickness over the entire surface.The surface area of the fabric is also dirt-repellent.

Printing

All fabrics can be printed in accordance with personal design.

Projection

Applicable to horizontal screens. The projection is the total distance between the bottom of the side guiding channels and including the head box. This measure is important to determine the order size of the horizontal screen.

PVC side guiding channel

In every side guiding channel, there is a PVC side guiding channel with co-extruded wear-resistant top layer (also see Smooth Technology). This PVC side guiding channel is provided with buffer zones to compensate wind gusts. The zipper, which is attached to the screen fabric, is pushed into this PVC side guiding channel and the screen fabric is retained this way. Sufficient tolerance has been provided between the fabric, aluminum side guiding channels and the PVC side guiding channel to ensure smooth guidance. See page 23 for further explanation. (Not applicable for Vegascreen)

Renson® standard colors

Renson's standard colors are the most requested powder coating colors and are available as standard without additional costs (see page 175).

Roll width

Each canvas is available in a certain roll width. The welding seam will be visible if the fabric dimensions are bigger than this roll width. (see also welding seam)

Seal strap

Side edges of fiberglass fabrics that do not have a zipper are standard fitted with a seal strap. This is a transparent reinforcement band to prevent fraying.

Seaside Quality A

Pre-treatment in accordance with Seaside Quality A is recommended. Seaside Quality A is a way of pre-treatment on the powder coating line where at least 0.13 g/in2 are stained before powder coating. A thorough cleaning on a regular basis is required here, which limits the chance of filiform corrosion below the coating compared to standard coated profiles.

Setting cable

Thanks to a setting cable you can set up tubular motors in a safe and simple way. These are suitable for adjusting tubular motors and if needed, reset the end points. Setting cables are available for Detecto Rensonmotor Safety First, Rensonmotor 24V and Becker SMI motors. See page 167 for further explanation.

Side guiding channel

The side guiding channels consist of multiple extruded aluminum profiles to facilitate easy mounting and dismounting.

Smooth Technology

The Smooth Technology includes a patented, coextruded, wear-resistant top layer in the HPVC inner rail. This layer consists of Teflon and guarantees a smooth, durable and silent operation of the zipper in the HPVC inner rail. This ensures a taut and wrinkle-free fabric and also ensures that the fabric stays windproof in all positions. See page 20 for further explanation.

Symmetric zipper

For products equipped with ZipShade® Technology, the sun protection fabric has a symmetrical zipper on both sides. This symmetrical shape ensures that the fabric absorbs the wind load well. As a result, the fabric is securely held in both side guiding channels and remains windproof in all positions. See page 20 for further explanation.

U-Value

The U-value or insulation value indicates the extent to which a product is a good insulator. A high U-value indicates a product that provides poor thermal insulation; a low U-value means the product provides excellent thermal insulation. The message? The higher the U-value, the better!

Waterproof

Screen fabrics cannot be perfectly waterproof except the blackout fabrics. As with all fiberglass yarns, there are small holes between the threads. This is technically described as the opening factor of a fabric.

Welding seam

If both width and height are greater than the fabric set width, it may occur that a weld seam is visible so that both fabric parts can be connected to each other. The position of the welding seam differs from fabric to fabric and from the dimensions of the fabric. The welding seam height is always calculated from the lowest point of the frame.

Width

This dimension is important to determine the ordering size of the screen. The width consists of the total width of the head box, including the side guiding channels.

ZipShade® Technology

The ZipShade® Technology guarantees a windproof, taut and wrinkle-resistant fabric in wind speeds up to 80.78 mph. Thanks to the optimal attachment of the zipper to the fabric, it remains in the side guiding channel in case of high wind speeds. See page 20 for further explanation.

AMBASSADORSHIP

You believe in our products and eagerly share that enthusiasm with others. We take pride in having you as the link between Renson and your customers. That's why we've developed the Renson Ambassadorship: a long-term partnership just for you.
This quality label guarantees your customers that you are a reliable expert in ventilation with excellent product knowledge and perfect service, from installation to the first service visit.

What does your Ambassadorship stand for?

- You share your passion for Renson with a strong professional network.
- Every two years, you will be invited to our Ambassador Days, where you can network with your colleagues to your heart's content, either in Belgium or in the USA.
- You are among the first to gain access to innovative and market-specific products and solutions.
- You have access to exclusive promotions for end customers, supported by media campaigns (online/offline).
- Through our lead tool, you will get one-to-one leads per region, which we receive via our communications, trade shows and events.
- We put you in the spotlight regularly and support you through co-branding to develop the Renson brand in your region.
- We promote you to your end customers.
- You may wear the exclusive quality label of Renson Ambassador.

WANT TO JOIN OUR RENSON AMBASSADOR NETWORK? GET IN TOUCH WITH YOUR RENSON CONTACT.

JOIN THE RENSON FABRICATOR PROGRAM

As a Renson fabricator, you play a key role in transforming our sun-shading components into high-quality, ready-to-install products. With specialized training at our Dallas facility, you'll gain access to Renson's tools, marketing support, and resources to ensure the highest standards in manufacturing and installation. These partnerships create a local network of professionals delivering custom ZipShade solutions.

Program Benefits:

- Futureproof product portfolio
- Marketing tools to expand your dealer network
- Lead generation support
- Comprehensive training
- Online ordering & CPQ tools
- Manufacturing tooling and software
- World-class powder coating at Renson Inc.

Take your business to the next level with cutting-edge resources and support. For more information, visit www.renson.net or contact us at Fabricators@renson.be.

RENSON®

All photos shown are solely for illustration purposes and are a snapshot of the usage situation. The actual product may vary due to adjustments to the product. Renson® reserves the right to make technical changes to the products shown.
The most recent brochures are available for download at **renson.net**

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