

# VERTICAL FABRIC SUN PROTECTION

Vertical fabric sun protection blocks direct light from entering, both for standard windows, corner and sliding windows, glass-on-glass windows, as well as freestanding applications. The revolutionary Fixscreen-technology guarantees an extremely windproof and insect-proof fabric that can also handle very large areas of up to 27.8 m<sup>2</sup>, or even up to a total maximal surface area of 30 m<sup>2</sup> with Panovista Max. Windproof vertical sun protection is extremely suitable for both new builds and renovations.





# FIXSCREEN®

## KEEPING HOMES COOL SINCE 2005!

2005: With Fixscreen, Renson launched the first windproof external sun protection screen that could handle wind speeds of up to 130 km/h. So, how does it work? The screen zips tight in two side channels while being lowered, meaning flapping and torn screen fabric are a thing of the past. A genuine milestone, as well as the first step toward a remarkable success story.

**Suitable for large glass surfaces**  
Fixscreen covers up to 22 m²

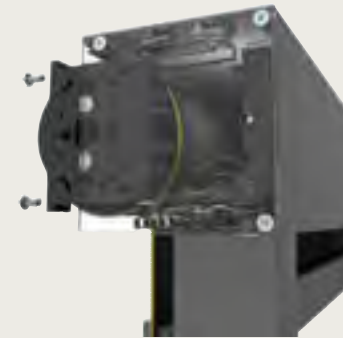
**Durable inner rail equipped with Smooth-technology**  
The patented, co-extruded, wear-resistant top layer in our HPVC inner rail ensures a smooth, durable and soundless guiding of the fabric.



**Fixscreen-technology guarantees high wind resistance**  
High wind guarantee up to 130 km/h, thanks to the use of symmetrical zips.



**Vast collection of fabrics and powder coating colours**  
For the perfect match with all types of architecture



## FABRIC SET INSTALLATION AND DISASSEMBLING

Quick and safe installation and disassembling of fabric set thanks to **Connect&Go-technology**



## UNIQUE FABRIC TUBES

The standard fabric tube is fitted with a unique recessed groove to limit the impression of the fabric eyelet, with the aim of reducing horizontal lines forming in the fabric. The Fixscreen Minimal, Fixscreen 100 IM 1, Fixscreen 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 in which the power supply cable for the motor can be concealed.



## THREE-PART SIDE GUIDING CHANNEL

The deep side guiding channel D for recessed screens ensures the accessibility of the head box 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 the water and wind tightness.

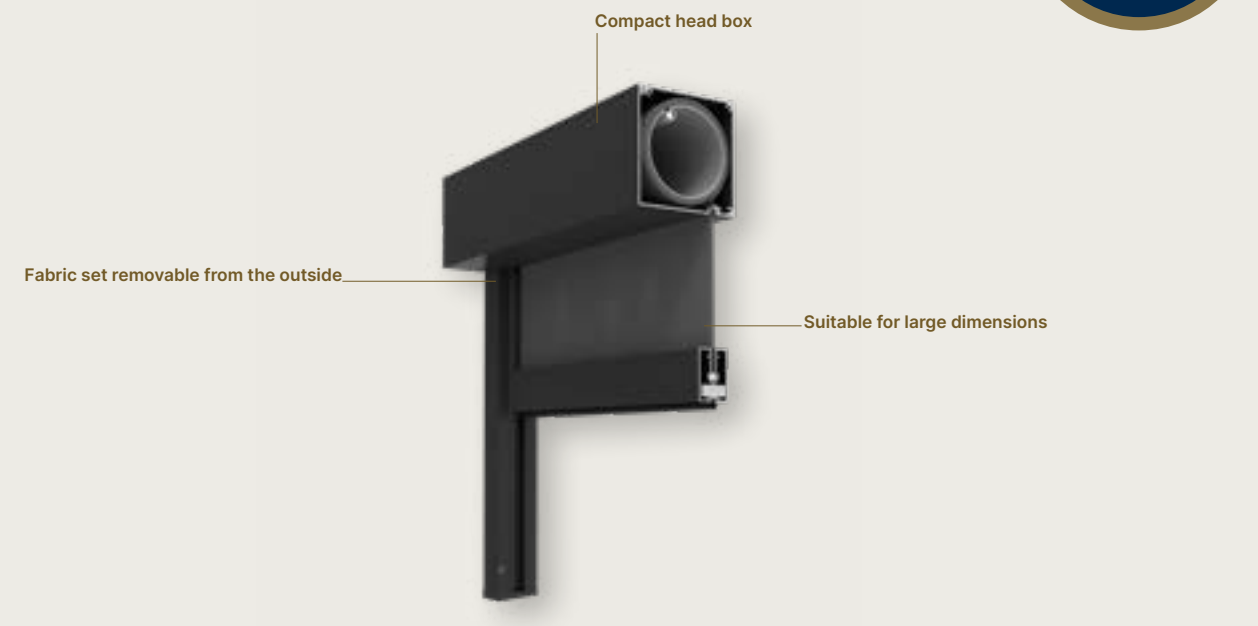


# FIXSCREEN® SURFACE-MOUNTED



# FIXSCREEN®

## Surface-mounted IM 1

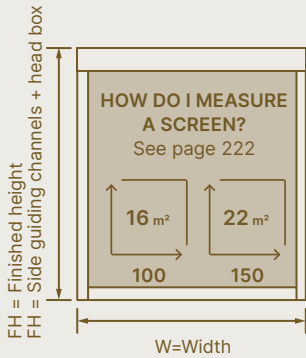


Design	Fixscreen® 100	Fixscreen® 150
Head box dimensions (HxD)	100 mm x 100 mm	150 mm x 155 mm
Head box extension	500 mm	
Square	✓	
Softline	✓	
Retractable bottom bar	–	✓ (to FH ≤2800 mm)
Recessed fabric tube	✓	
Base plate side guiding channel	At an angle of 0° or 5°	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 130 km/h in closed position depending on dimensions	
Control		
Detecto Renson motor Safety First	✓	
Somfy mechanic motor	✓	
Somfy (Meastria*) IO radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		Fixscreen® 100		Fixscreen® 150	
Single screen					
Fibre glass fabric Sergé / Natté	Min. width	700 mm		905 mm	
	Max. width	4000 mm	5000 mm	6000 mm	
Polyester fabric Soltis Veozip	Max. height	4000 mm	2000 mm	6000 mm	
Tuffscreen insect mesh	Max. surface area	16 m²	10 m²	22 m²	
Fibre glass fabric Privacy Polyester fabric Soltis Horizon 86 / Soltis Perform 92	Min. width	700 mm		905 mm	
	Max. width	4000 mm	3000 mm	6000 mm	
	Max. height	2700 mm	3500 mm	6000 mm	
	Max. surface area	10.8 m²	10.5 m²	22 m²	
Blackout fibre glass fabric Satiné 21154	Min. width	1000 mm		1000 mm	
	Max. width	4000 mm		4000 mm	6000 mm
Blackout polyester fabric Soltis Opaque B92	Max. height	2700 mm		4000 mm	2,600 mm
	Max. surface area	11.2 m²		16 m²	
Coupled screen with 1 motor					
Fibre glass fabric Sergé / Natté / Privacy Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92 Tuffscreen insect mesh	Min. section width	800 mm		1810 mm	
	Max. overall width	6000 mm		6000 mm	
	Max. section width	4000 mm		5000 mm	
	Max. height	2700 mm		6000 mm	
	Max. total surface area	16.2 m²		22 m²	
Blackout fibre glass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Min. section width	1000 mm		1810 mm	
	Max. overall width	6000 mm		6000 mm	
	Max. section width	4000 mm		5000 mm	
	Max. height	2700 mm		4000 mm	
	Max. total surface area	16.2 m²		16 m²	
Coupled screen with 2 motors					
Possible dimensions per section, per fabric type according to ‘single screen’ table	Max. overall width	6000 mm		6000 mm	
	Max. total surface area	24 m²		36 m²	

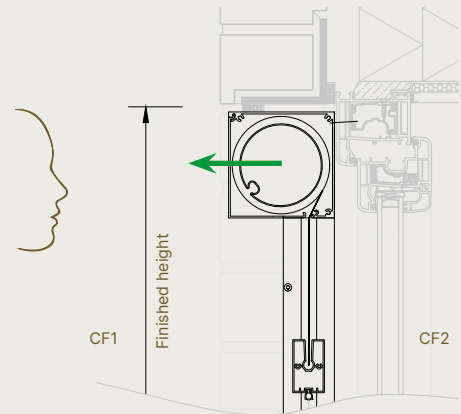
**NOTE**  
- Fixscreen 150: It is recommended that at least two people install the product. Weight: ± 23 kg/rm.

**Motors:**  
- \*For Somfy Maestria IO the restrictions below apply:  
Fixscreen 100: Square: width ≥ 1200 mm - height ≤ 2700 mm / Softline: width ≥ 1800 mm - height ≤ 2700 mm  
Fixscreen 150: width ≥ 1200 mm  
- Detecto Renson motor Safety First and Somfy Maestria IO: always coupled with 2 motors

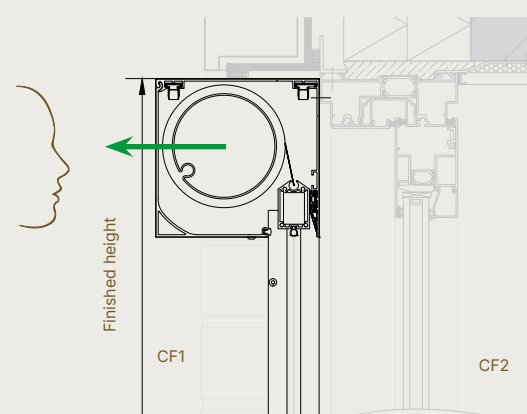




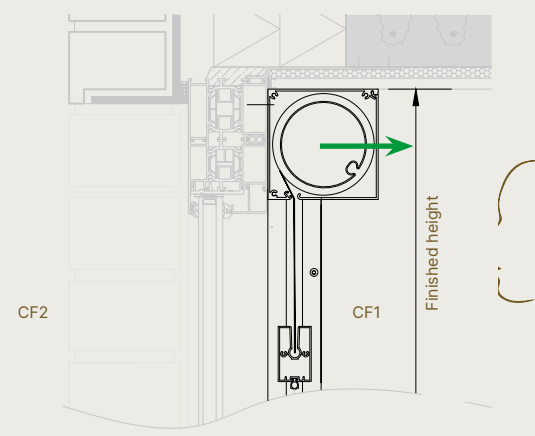
Fixscreen® 100 - Drawing surface-mounted masonry



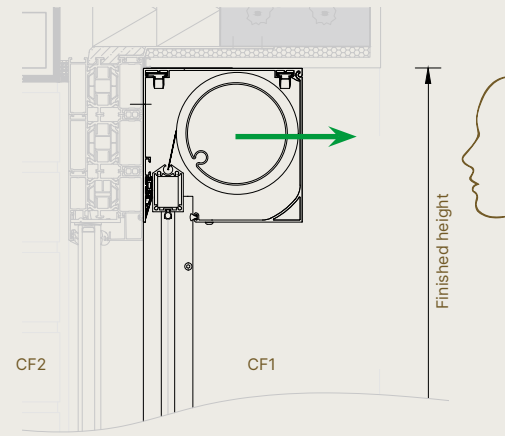
Fixscreen® 150 - Drawing surface-mounted masonry



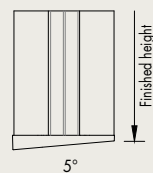
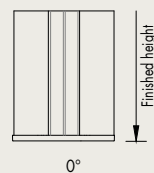
Fixscreen® 100 - Drawing surface-mounted indoor application



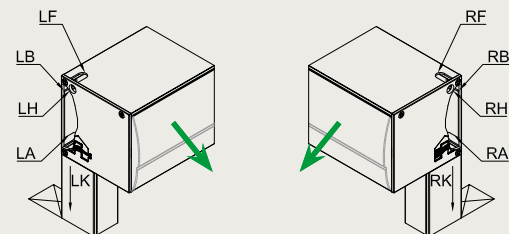
Fixscreen® 150 - Drawing surface-mounted indoor application



Base plate side guiding channel



Cable feed

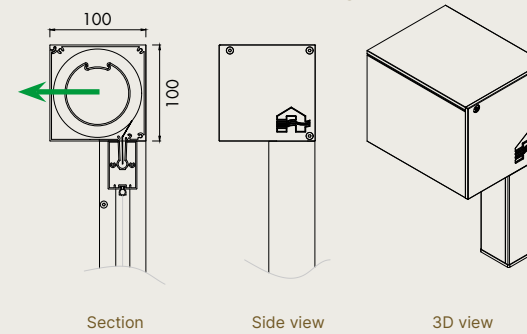


Feed	Feed location
A*	rear
B	rear
F	top
H	side
K	open side guiding channel

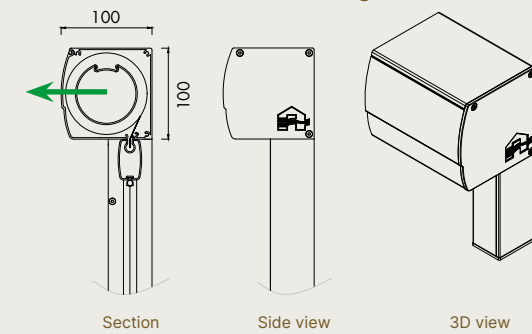
\* Only possible for Fixscreen 100

Fixscreen® 100 - Head box

Square design

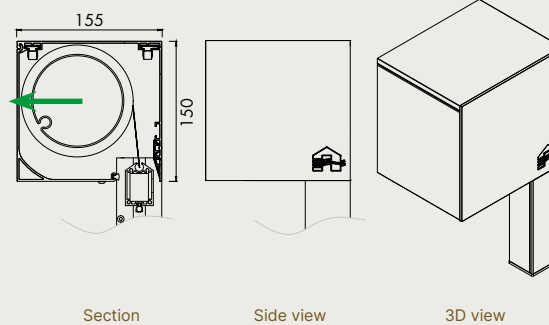


Softline design

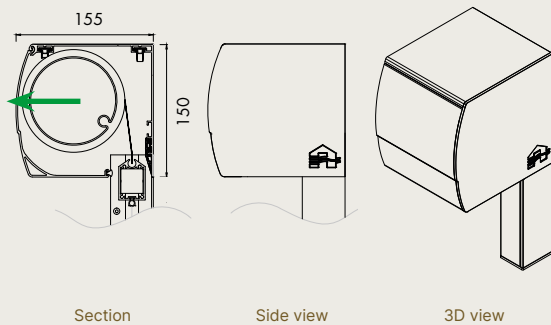


Fixscreen® 150 - Head box

Square design

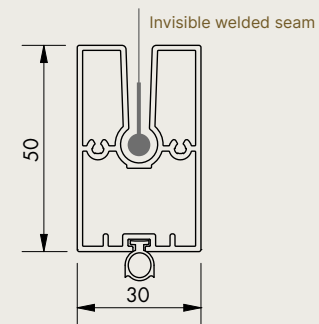


Softline design

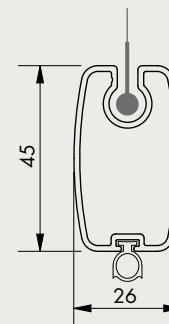


Fixscreen® 100 - Bottom bar

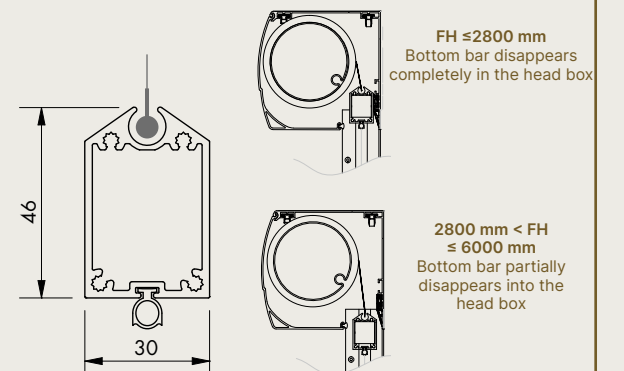
Square design



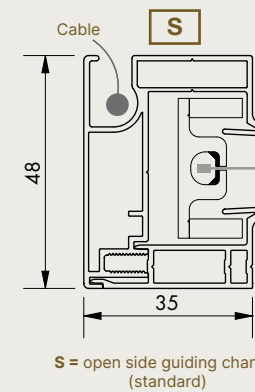
Softline design  
(only with Softline head box)



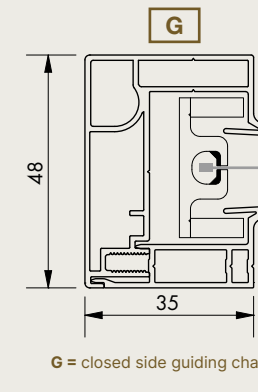
Fixscreen® 150 - Bottom bar



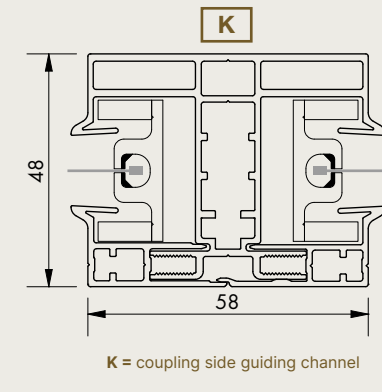
Side guiding channels



S = open side guiding channel (standard)



G = closed side guiding channel



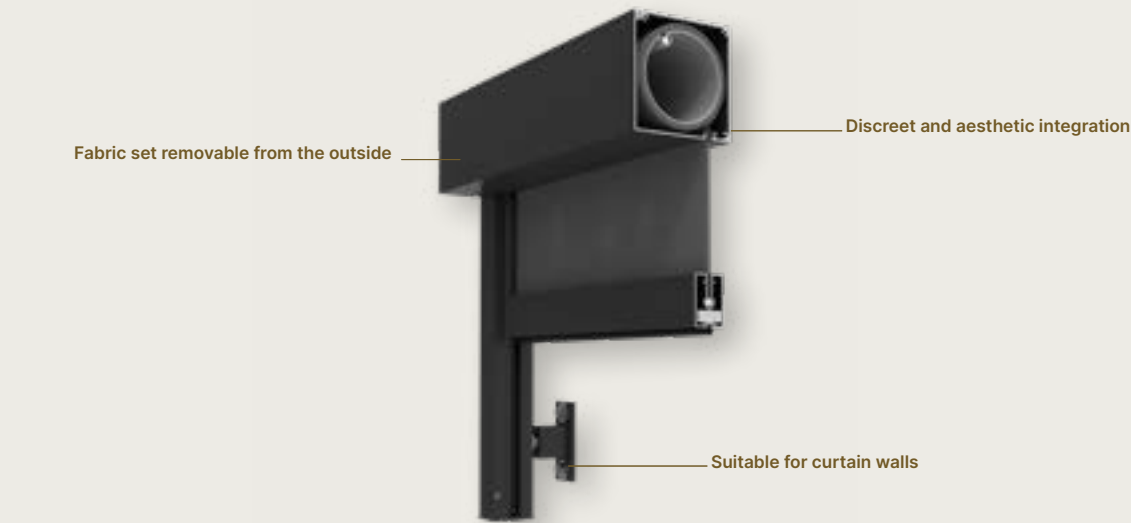
K = coupling side guiding channel

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



# FIXSCREEN®

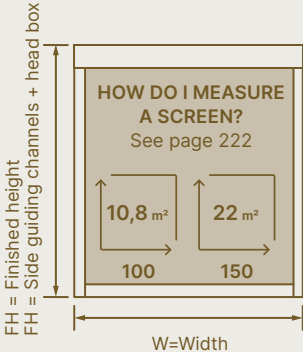
Surface-mounted with mounting feet IM 1+



Design	Fixscreen® 100	Fixscreen® 150
Head box size (HxD)	100 mm x 100 mm	150 mm x 155 mm
Head box extension	500 mm	
Square	✓	
Softline	✓	
Retractable bottom bar	-	✓ (to FH ≤2800 mm)
Recessed fabric tube	✓	
Base plate side guiding channel	At an angle of 0°	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°114-31926	N°113-25809
Guaranteed wind resistance	Up to 80 km/h in closed position	
Control		
Detecto Renson motor Safety First	✓	
Somfy mechanic motor	✓	
Somfy IO radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

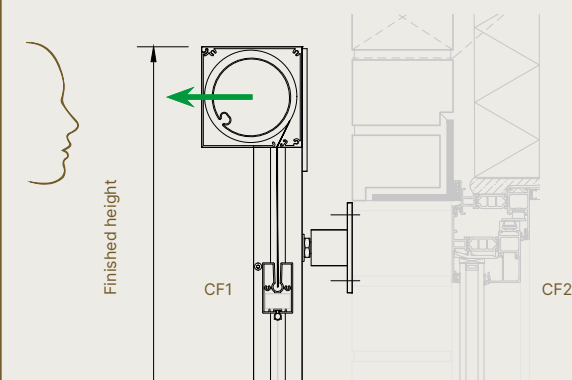
Dimensions		Fixcreen® 100		Fixscreen® 150
Single screen				
Fibre glass fabric Sergé / Natté Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92	Min. width	795 mm		905 mm
	Max. width	4000 mm	3000 mm	6000 mm
	Max. height	2700 mm	3500 mm	6000 mm
	Max. surface area	10.8 m²	10.5 m²	22 m²
Linkable				
Required intermediate dimension (expansion)	5 mm			

NOTE  
- Fixscreen 150: It is recommended that at least two people install the product. Weight: ± 23 kg/rm.

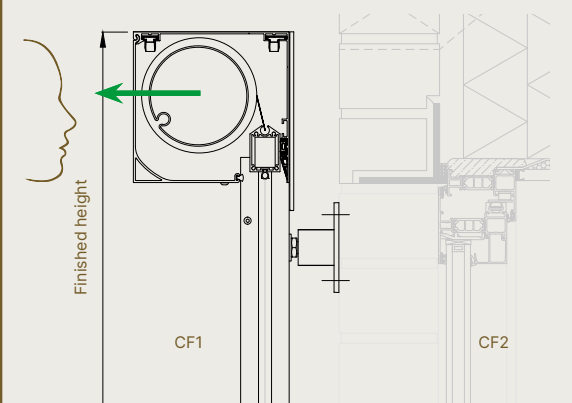




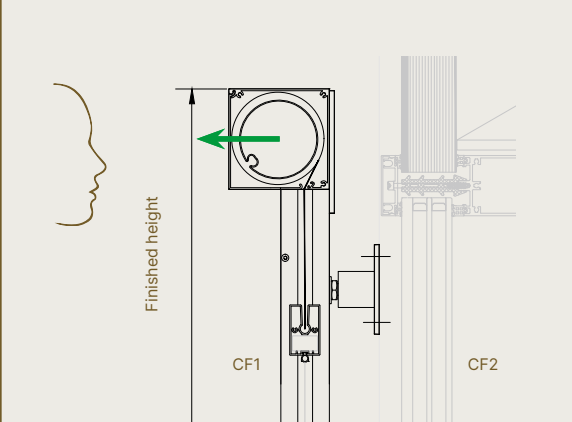
Fixscreen® 100 - Drawing surface-mounted masonry



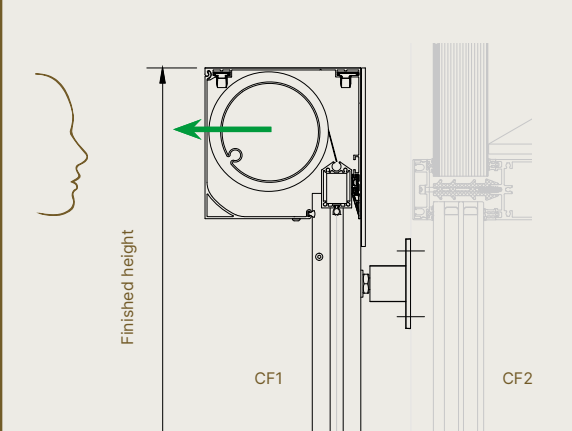
Fixscreen® 150 - Drawing surface-mounted masonry



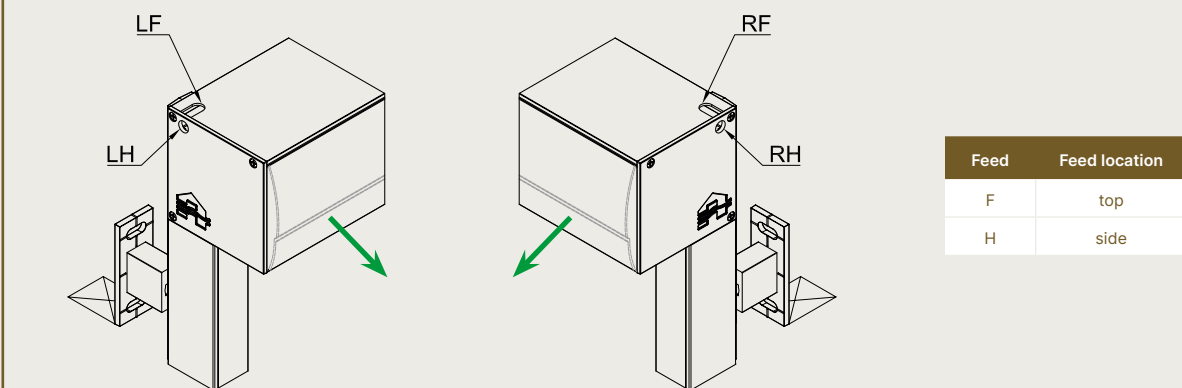
Fixscreen® 100 - Drawing surface-mounted curtain wall



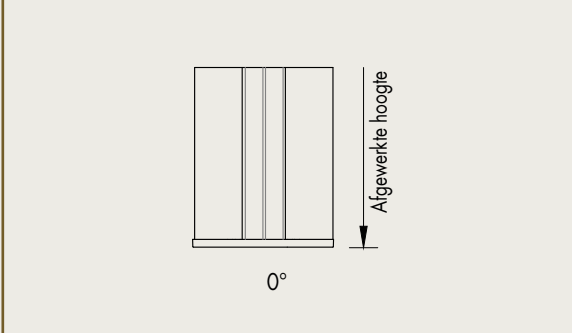
Fixscreen® 150 - Drawing surface-mounted curtain wall



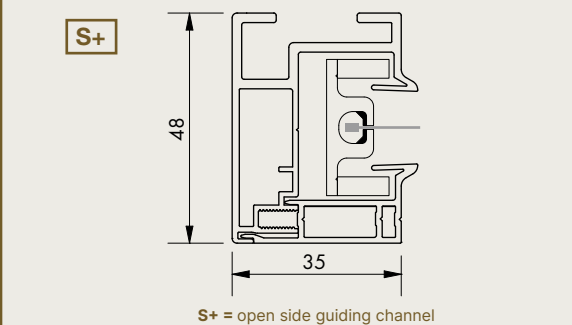
Cable feed



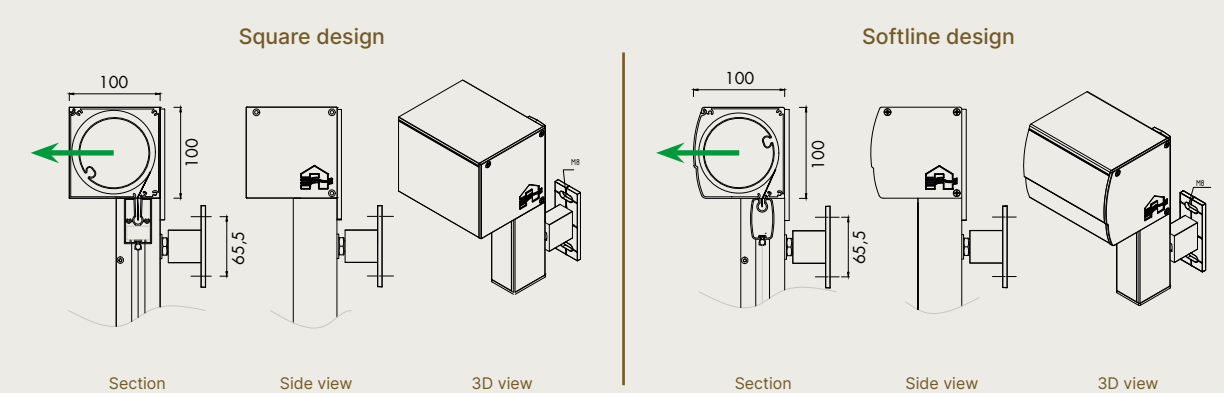
Base plate side guiding channel



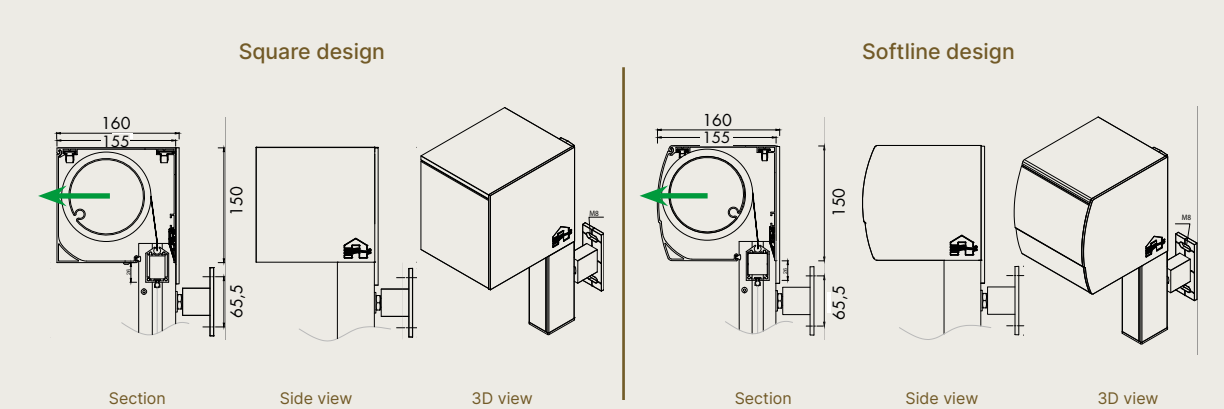
Side guiding channel



Fixscreen® 100 - Head box



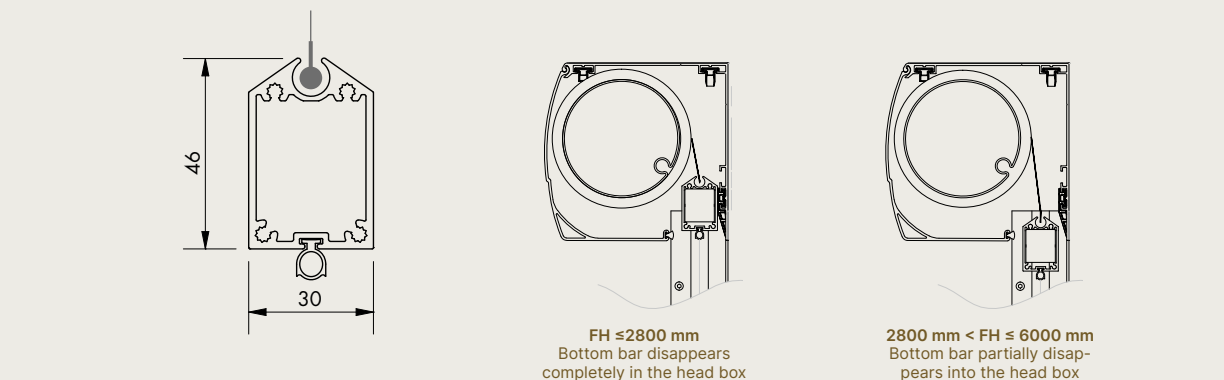
Fixscreen® 150 - Head box





Fixscreen® 100 - Bottom bar



Fixscreen® 150 - Bottom bar

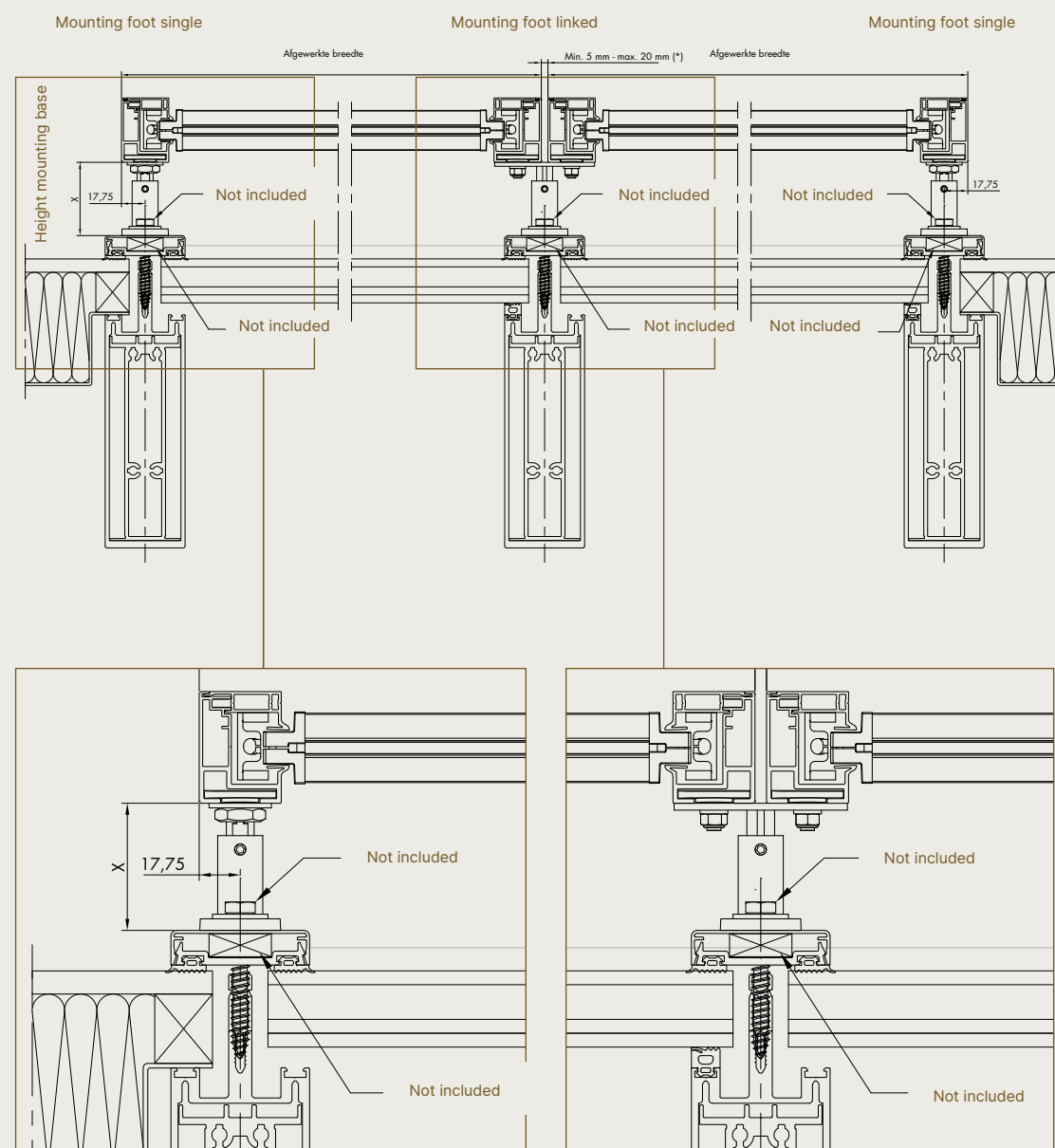


Viewing direction determines choice of left or right cable feed  
 Window position

 direction in which fabric set should be removed

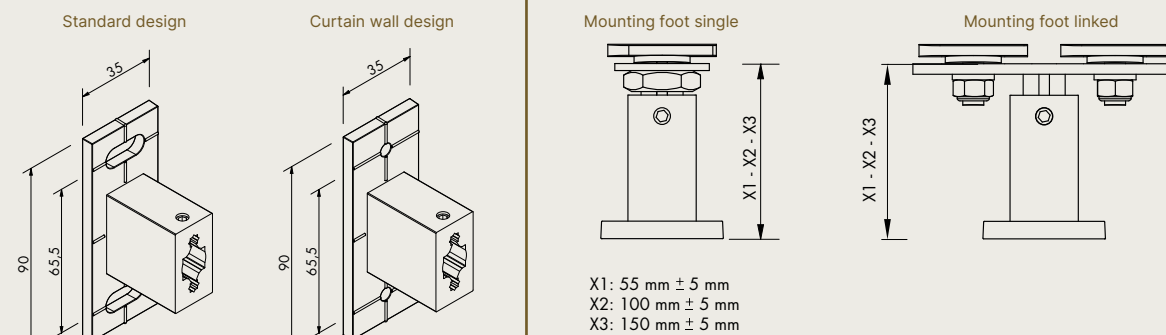


Section installation method linked



(\*) Hou rekening met uitzetting van de gevel en/of kast in geval van montage van aaneengeschakelde producten. Renson® verplicht een tussenafstand (min. 5 mm) toe te passen bij montage

Type of mounting feet



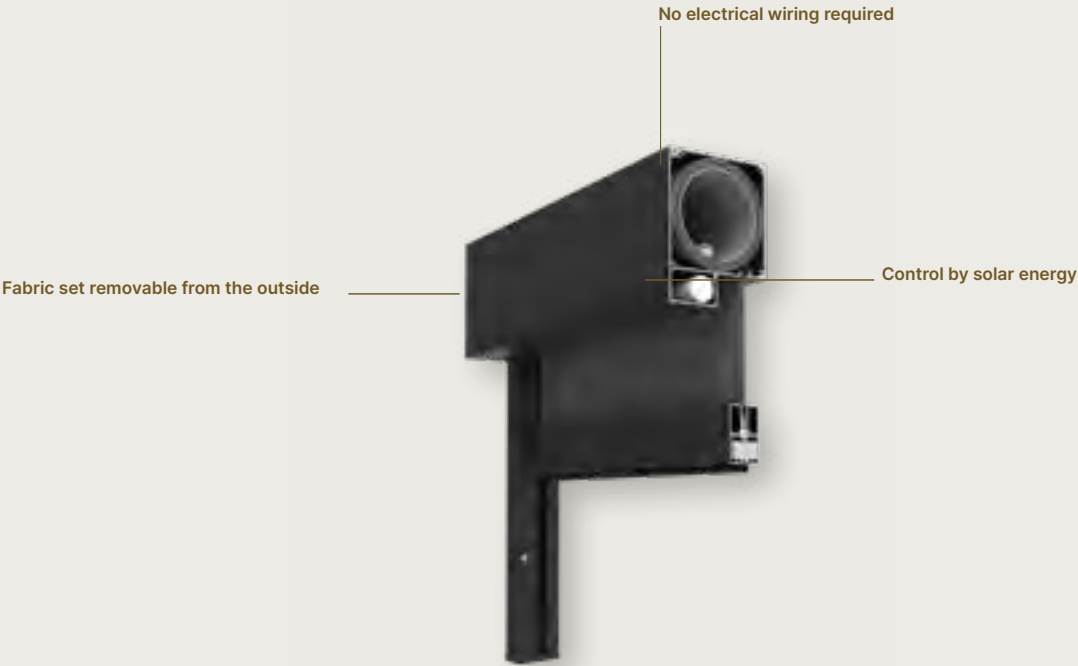
Determination of number of bases depends on width and height (W x H)*						
Single or linked product						
(in mm)	number of 'mounting feet single' per side guiding channel		+	number of 'mounting feet linked' per link		
	bases left / right			bases middle		
type 55 mm						
Width ≤	4000	6000		4000	6000	
Height ≤						
2000	2	2		2	2	
4000	2	2		2	3	
5200	3	3		3	3	
6000	4	4		4	4	
type 100 mm						
Width ≤	4000	6000		4000	6000	
Height ≤						
2000	3	3		3	4	
3100	4	4		4	5	
4000	5	5		5	7	
4600	7	7		7	7	
5300	8	8		8	8	
6000	9	9		9	9	
type 150 mm						
Width ≤	4000	6000		4000	6000	
Height ≤						
2000	3	4		3	4	
3100	4	5		4	5	
4000	5	7		5	7	
4600	7	7		7	7	
5300	8	8		8	8	
6000	9	9		9	9	

\* Verify possible dimensions on page 31



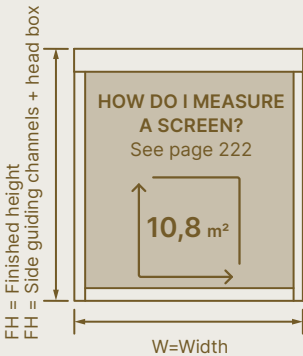
# FIXSCREEN® SOLAR

## Surface-mounted IM 1



Design		Fixscreen® 100 Solar
Head box size (HxD)		128 mm x 100 mm
Head box extension		-
Square		✓
Softline		-
Bottom bar partially retractable		✓
Recessed fabric tube		✓
Base plate side guiding channel		At an angle of 0° or 5°
Wind resistance		
Wind classification EN13561:2004		3
Wind tunnel test report		N°113-25809
Guaranteed wind resistance		Up to 130 km/h in closed position
Control		
Somfy radio-controlled motor		✓
Certificates		
Declaration of Performance (DoP)		DOP-2015SC00002
Durability test report		WTCB N°651 XE823 CAR4139

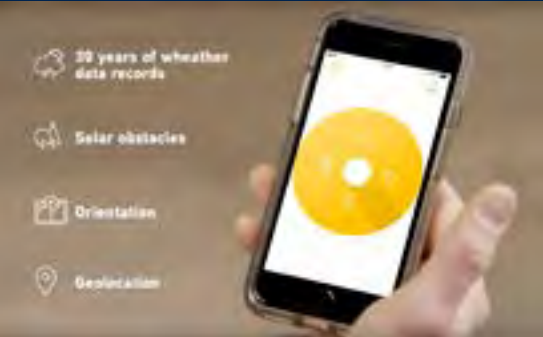
Dimensions			
Single screen			
Fibre glass fabric Sergé / Natté / Privacy Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92 Tuffscreen insect mesh	Min. width	650 mm	
	Max. width	4000 mm	3000 mm
	Max. height	2700 mm	3500 mm
	Max. surface area	10.8 m²	10.5 m²
Blackout fibre glass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Min. width	1000 mm	
	Max. width	2000 mm	
	Max. height	2700 mm	
	Max. surface area	5.4 m²	



### Not sure wheter to go for solar-powered Renson external sun protection screens?

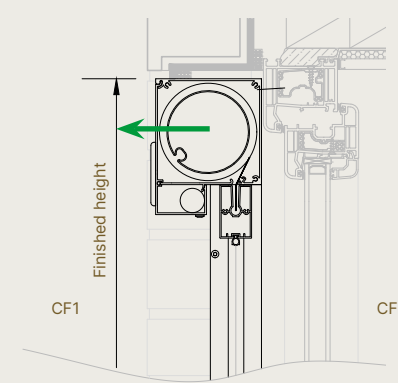


The Somfy Solar app allows you to determine in advance, and in a specific environment, the capabilities of a Solar solution. Available for free in the App store and via Google Play.

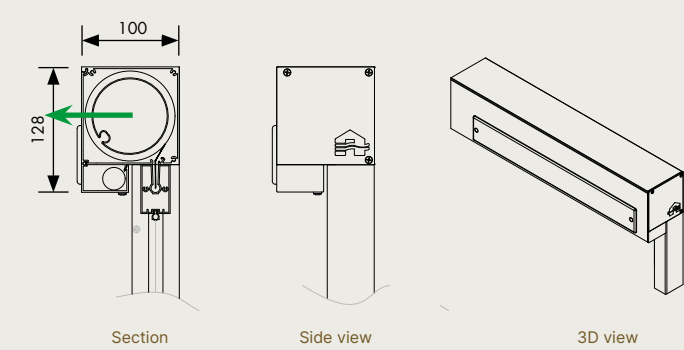




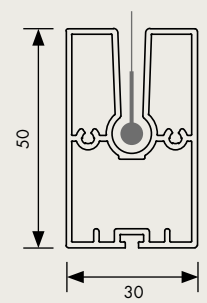
# Drawing surface-mounted masonry



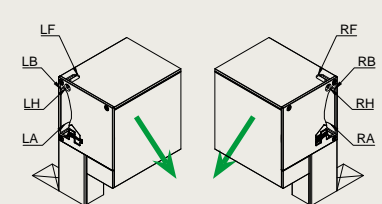
## Head box



## Bottom bar

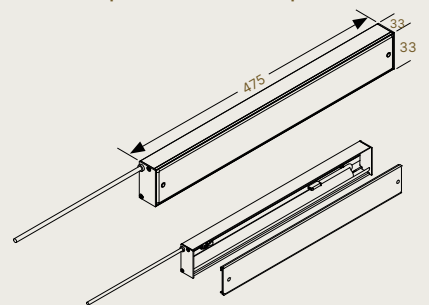


# Cable feed with separate solar cell

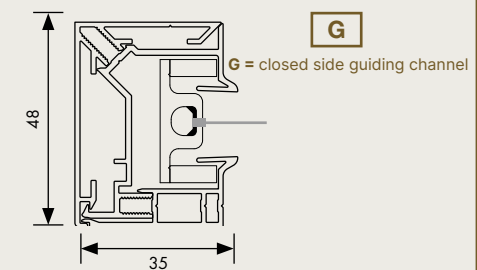


Feed	Location of feed
F	top
B	rear
H	side
A	rear

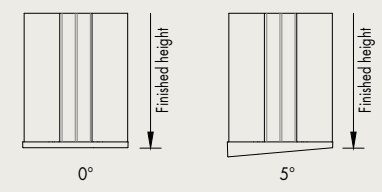
## Separate solar cell option



## 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





# FIXSCREEN® RECESSED IN FRONT OF THE WINDOW

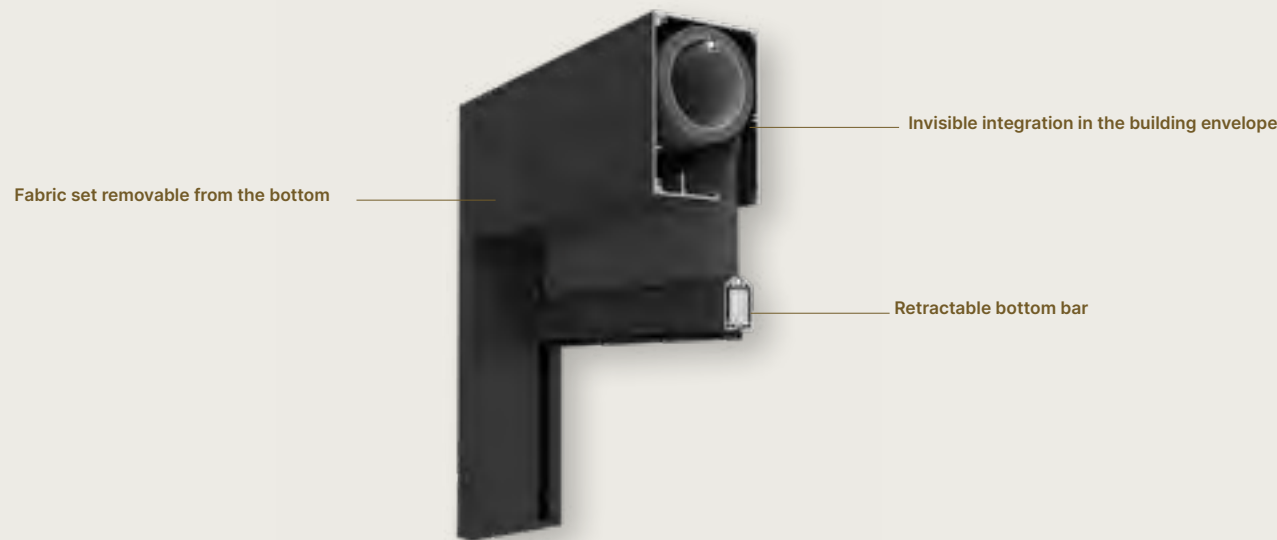




# FIXSCREEN®

## 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 screen, door handle...



Design	Fixscreen® 100 Slim	Fixscreen® 150
Head box dimensions (HxD)	150 mm x 110 mm	150 mm x 155 mm
Head box extension	500 mm	
Square	✓	
Softline	-	
Retractable bottom bar	✓	✓ (to FH ≤2800 mm)
Recessed fabric tube	✓	
Base plate side guiding channel	At an angle of 0° or 5°	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 130 km/h in closed position depending on dimensions	
Control		
Detecto Renson motor Safety First	✓	
Somfy mechanic motor	✓	
Somfy (Meastria*) IO radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		Fixscreen® 100 Slim		Fixscreen® 150	
Single screen					
Fibre glass fabric Sergé / Natté	Min. width	700 mm		909 mm	
	Max. width	6000 mm	4000 mm	6000 mm	
Soltis Veozip polyester fabric	Max. height	2800 mm	4000 mm	6000 mm	
Tuffscreen insect mesh	Max. surface area	16.8 m²	16 m²	22 m²	
Privacy fibre glass fabric Polyester fabric Soltis Horizon 86 / Soltis Perform 92	Min. width	700 mm		909 mm	
	Min. height	300 mm		300 mm	
	Max. width	4500 mm	3000 mm	6000 mm	
	Max. height	2800 mm	3500 mm	6000 mm	
	Max. surface area	12.6 m²	10.5 m²	22 m²	
Blackout fibre glass fabric Satiné 21154	Min. width	1000 mm		1000 mm	
	Min. height	300 mm		300 mm	
	Max. width	4000 mm		4000 mm	6000 mm
Blackout polyester fabric Soltis Opaque B92	Max. height	2800 mm		4000 mm	2,600 mm
	Max. surface area	11.2 m²		16 m²	15.6 m²
	Coupled screen with 1 motor (IM 7A)				
Fibre glass fabric Sergé / Natté	Min. section width	800 mm		1818 mm	
	Max. overall width	6000 mm		6000 mm	
Tuffscreen insect mesh	Max. section width	5000 mm		5000 mm	
Soltis Veozip polyester fabric	Max. height	2800 mm		6000 mm	
	Max. total surface area	16.8 m²		22 m²	
Blackout fibre glass fabric Satiné 21154	Min. section width	1000 mm		1818 mm	
	Max. overall width	6000 mm		6000 mm	
	Max. section width	4000 mm		5000 mm	
Blackout polyester fabric Soltis Opaque B92	Max. height	2800 mm		2,600 mm	
	Max. total surface area	16.8 m²		15.6 m²	
Coupled screen with 2 motors (IM 7A)					
Possible dimensions per section, per fabric type according to 'single screen' table	Max. Total width	6000 mm		6000 mm	
	Max. Total surface area	24 m²		36 m²	

### NOTE

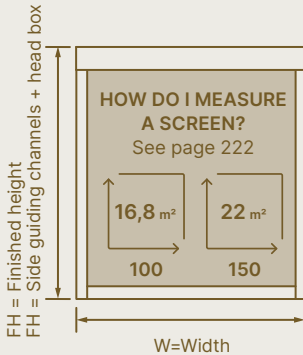
- Head box extension not possible with side guiding channel D
- Plaster profile and fixation bracket optional.

### Motors:

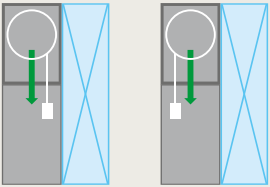
- \*For Somfy Maestria IO the restrictions below apply:
  - Fixscreen 100 Slim: width ≥ 1600 mm - height ≤ 2800 mm
- Detecto Renson motor Safety First and Somfy Maestria IO: always coupled with 2 motors

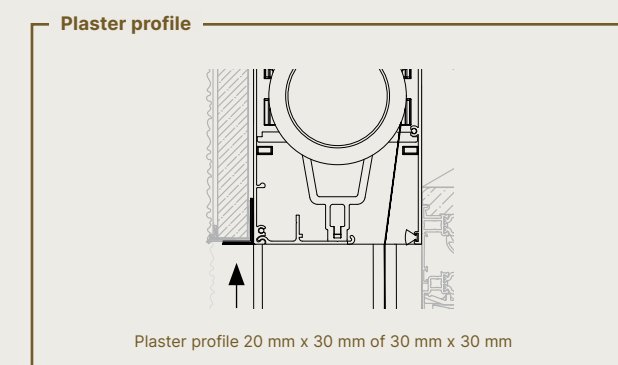
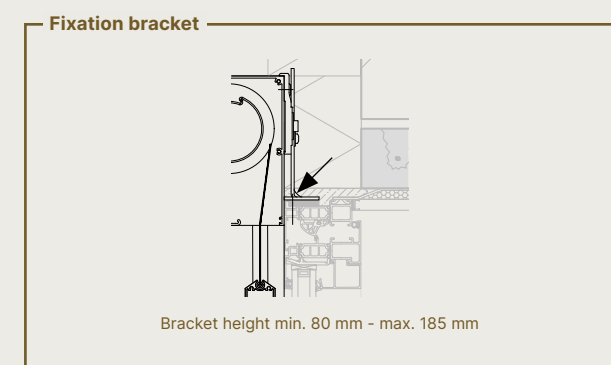
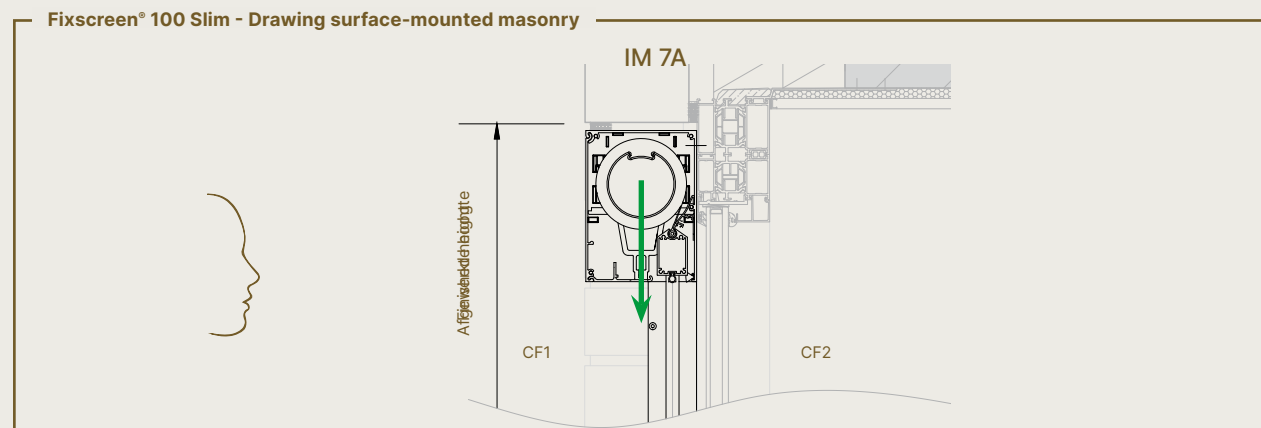
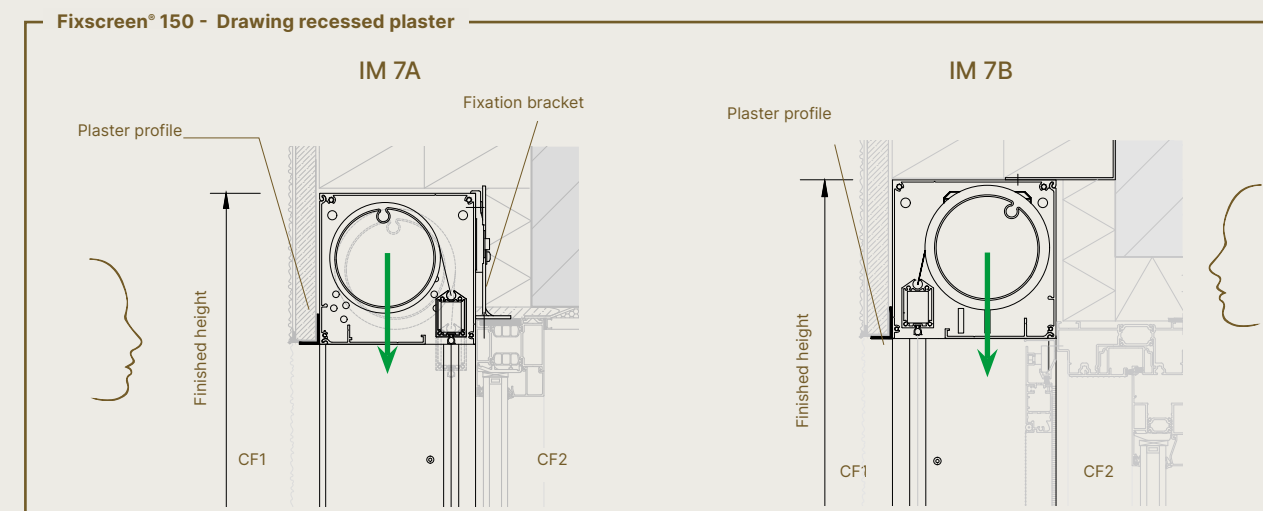
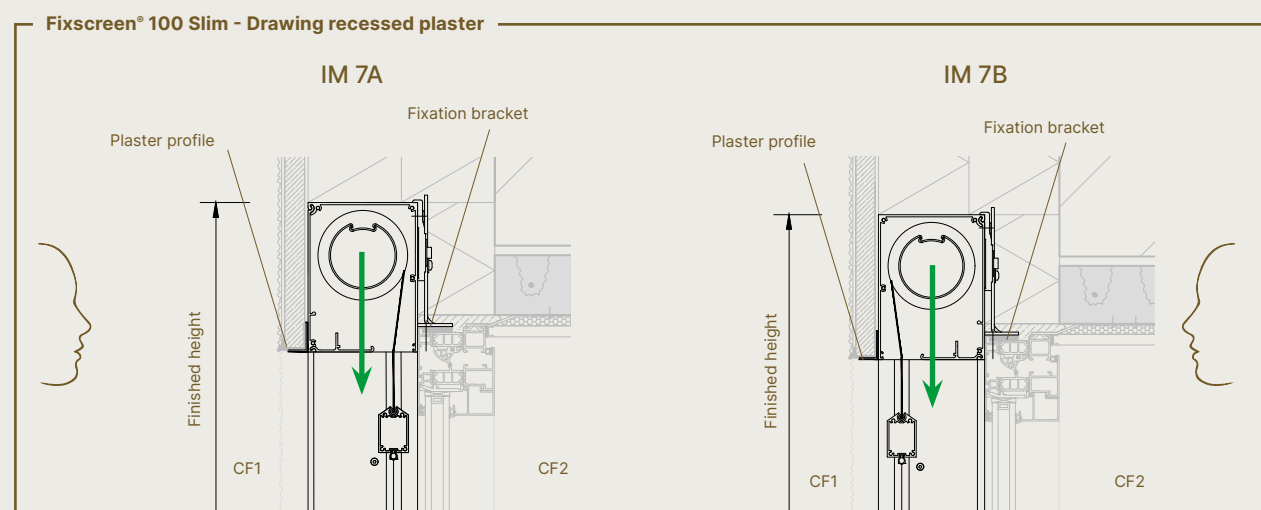
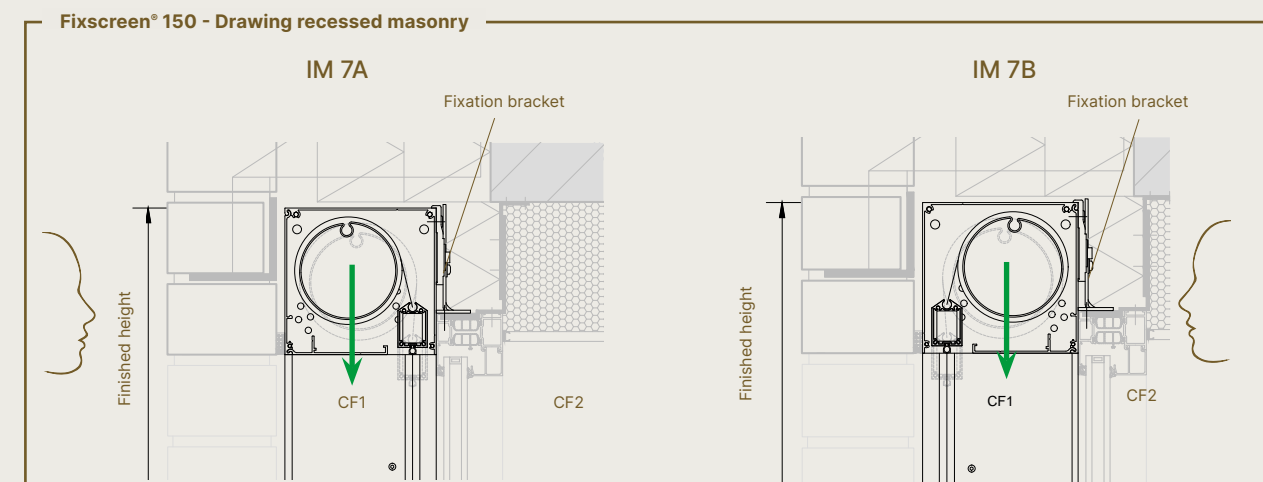
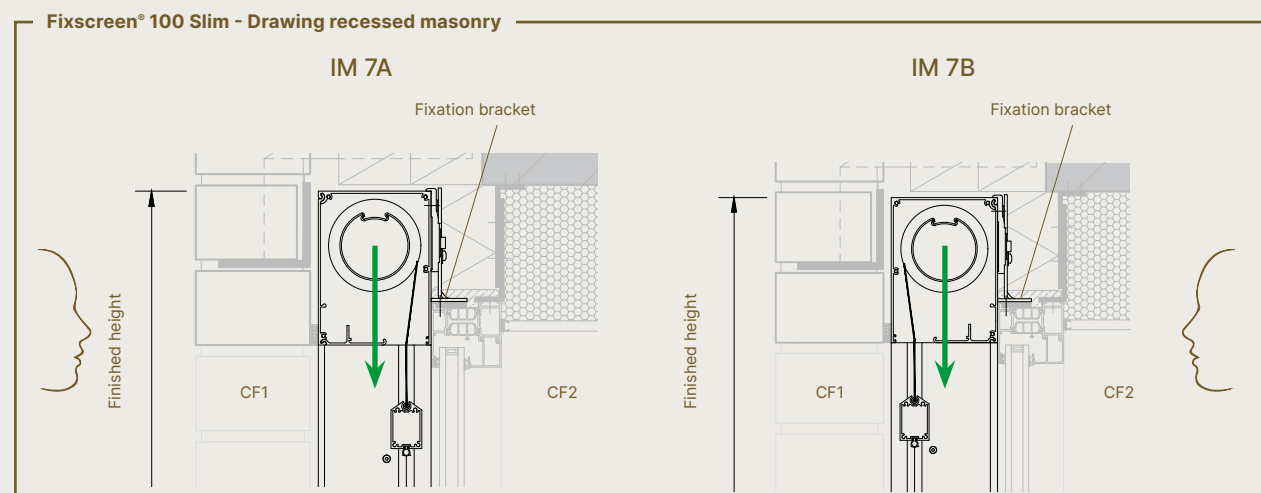
### IM 7B:

- 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

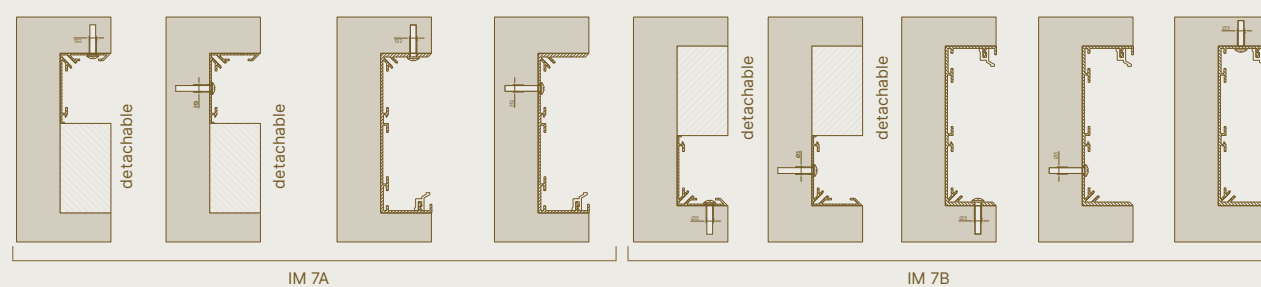


**TIP:** If a door handle, sliding door handle or fly screen could possibly prevent the free running of the fabric, choose installation method 7B. This ensures the fabric runs away from the window and free running is assured. Note that the system must be accessible across the full width from the inside.





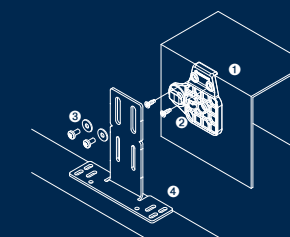
Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed



**Note:** When choosing the narrow side guiding channel G, the customer must foresee something detachable under the head box in order to be able to disassemble the fabric set underneath (H = min. 680 mm).

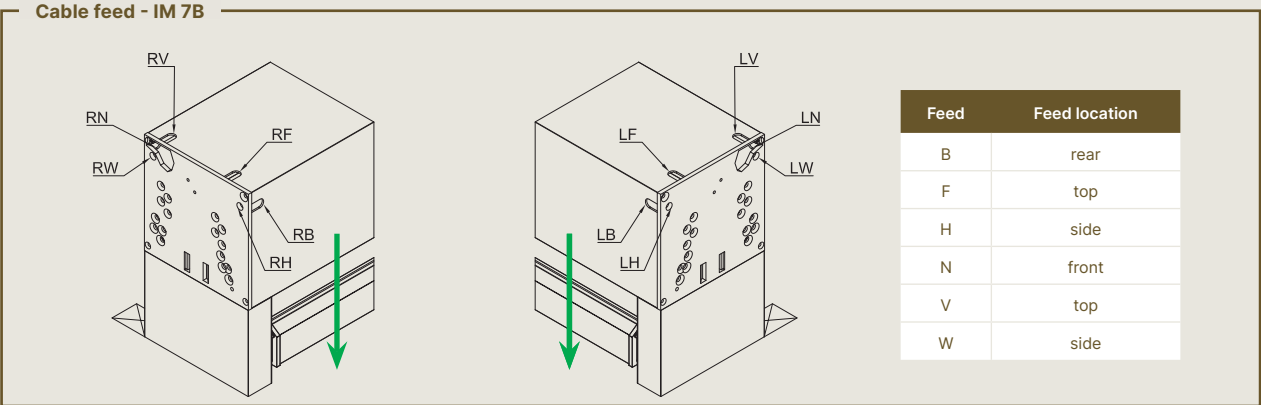
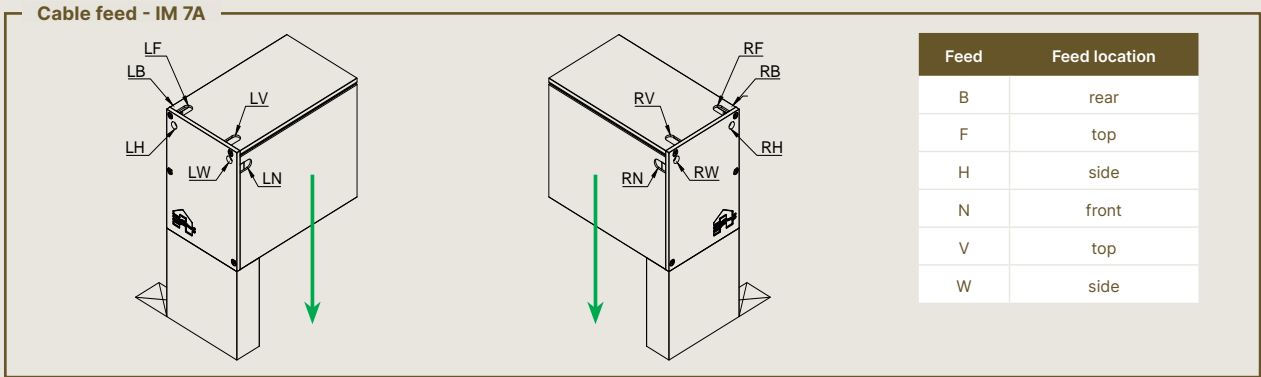
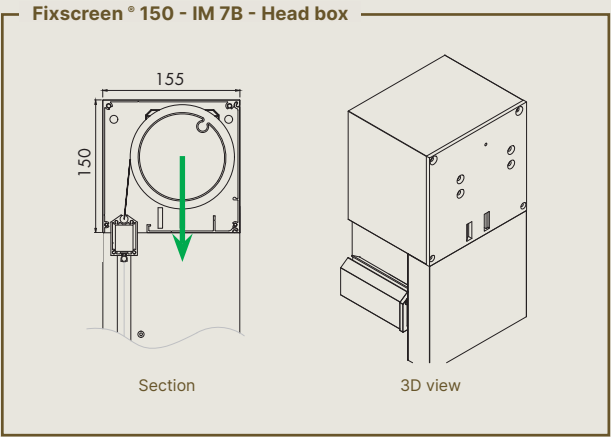
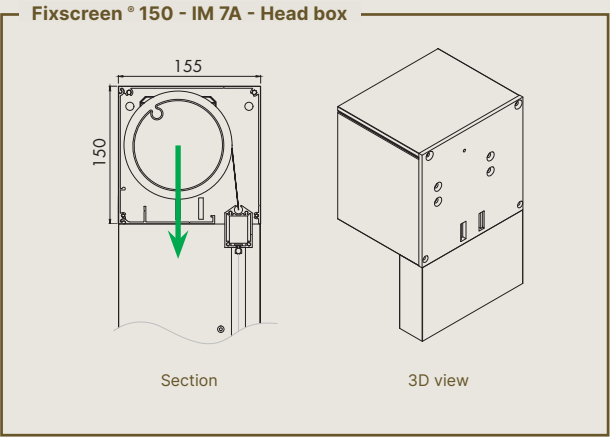
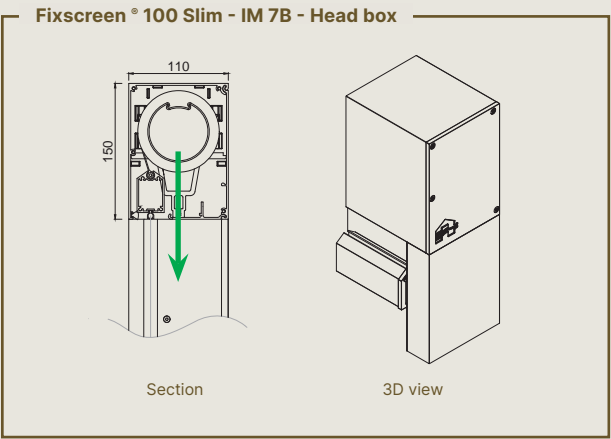
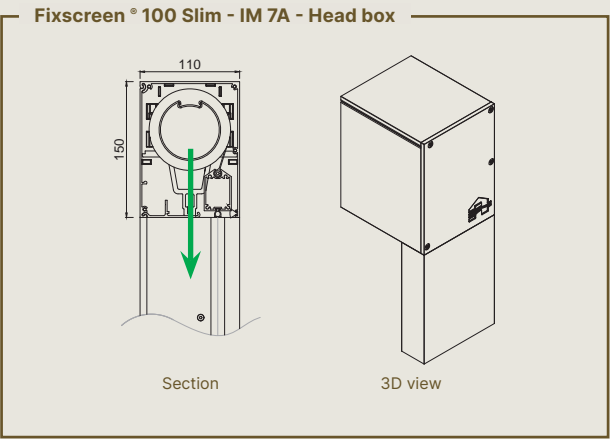
## Fixation bracket for rapid mounting

The fixation brackets offer a simple solution for rapid mounting to the window frame. The ingenious one-fits-all design of the fixation bracket ensures all screen types can be secured using the same accessory. More info on [www.renson.eu/fixation-brackets](http://www.renson.eu/fixation-brackets)

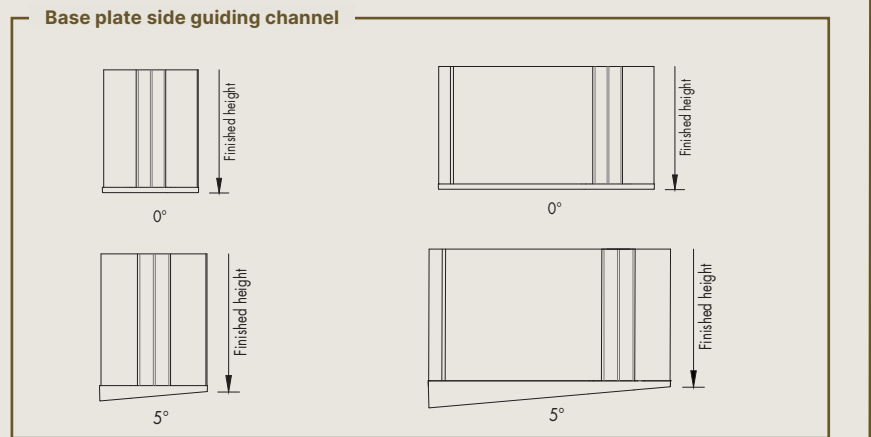
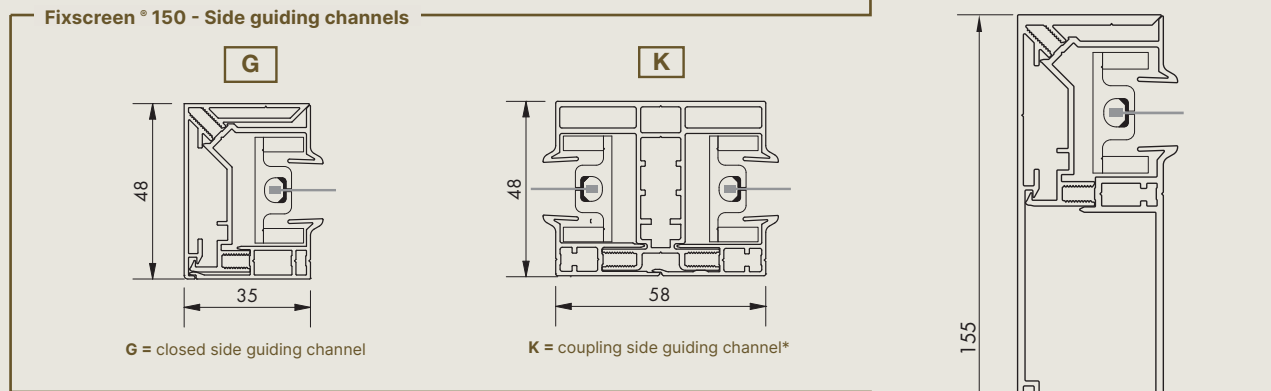
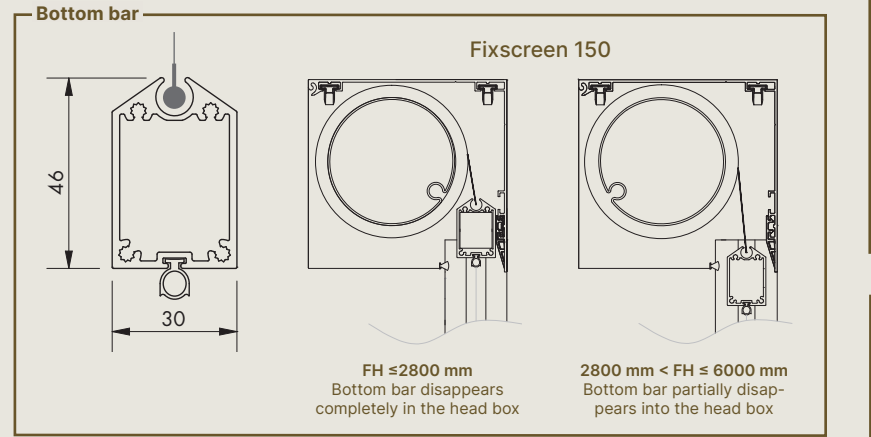
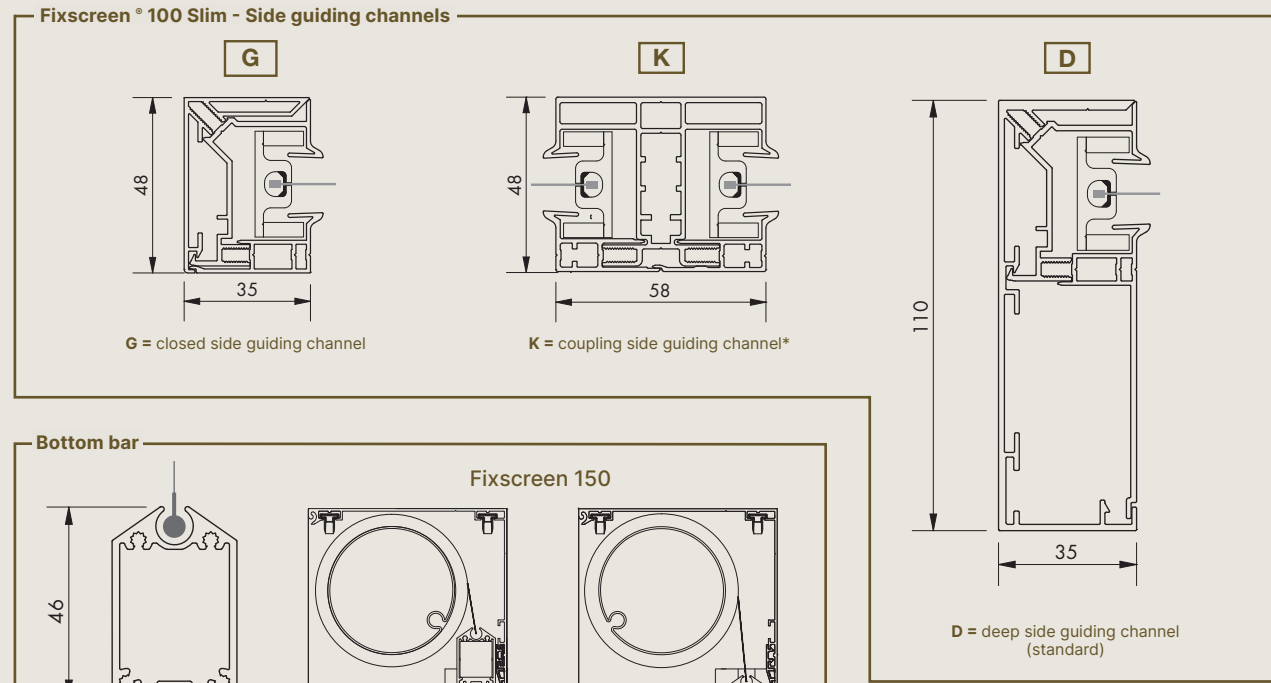


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed





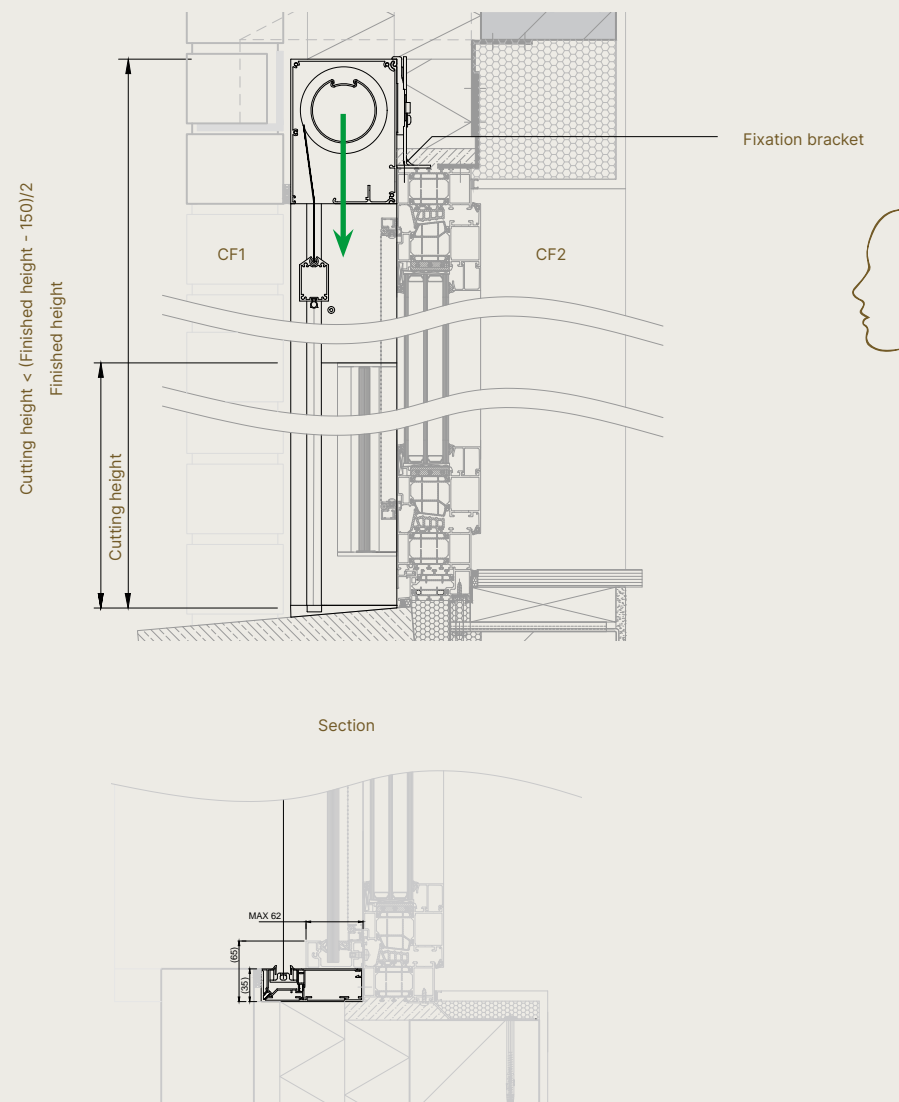
Viewing direction determines choice of left or right cable feed direction in which fabric set should be removed  
☒ Window position



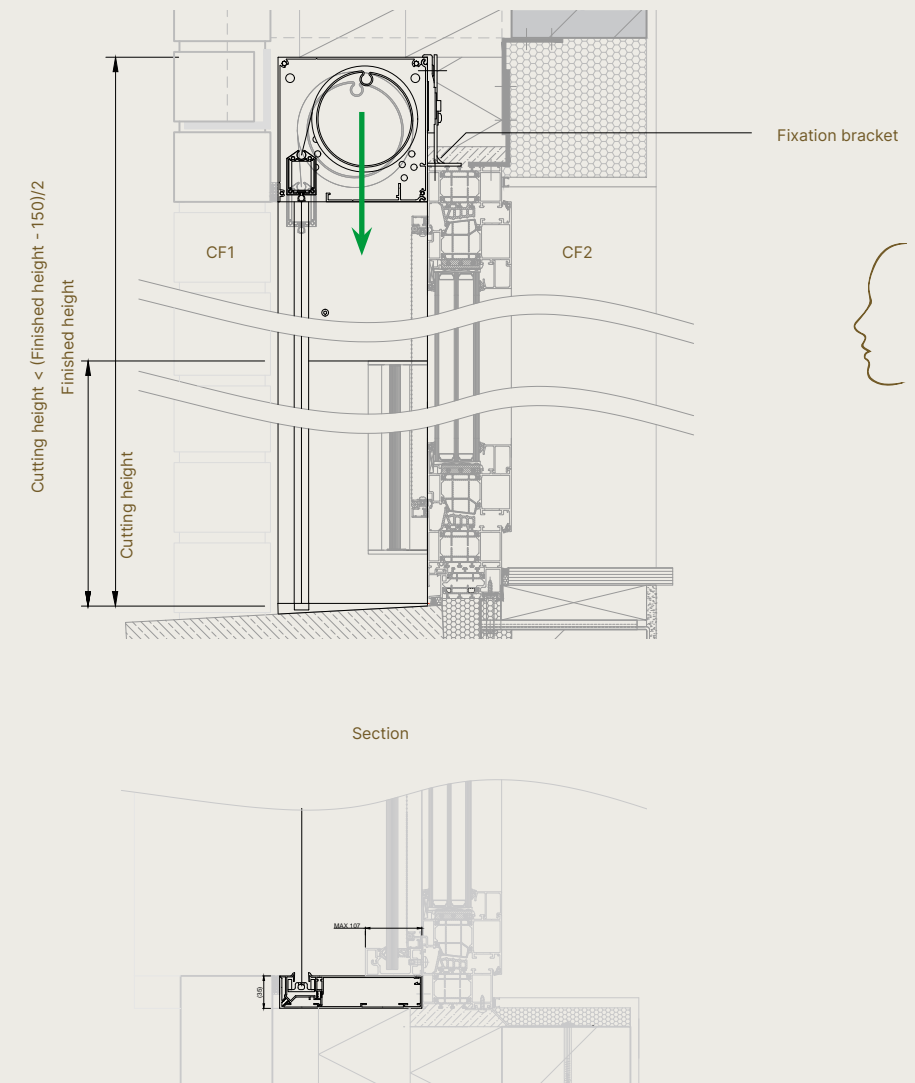
Viewing direction determines choice of left or right cable feed direction in which fabric set should be removed  
☒ Window position

\*Only possible with IM 7A

Fixscreen® 100 Slim - IM 7B - Drawing recessed balustrade



Fixscreen® 150 - IM 7B - Drawing recessed balustrade



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

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

! With Fixscreen 100 Slim IM 7B and Fixscreen 150 IM 7B, a cut can optionally be made in the deep side guiding channel if a balustrade is installed, so that the middle profile and front profile can easily be removed for service after installation.



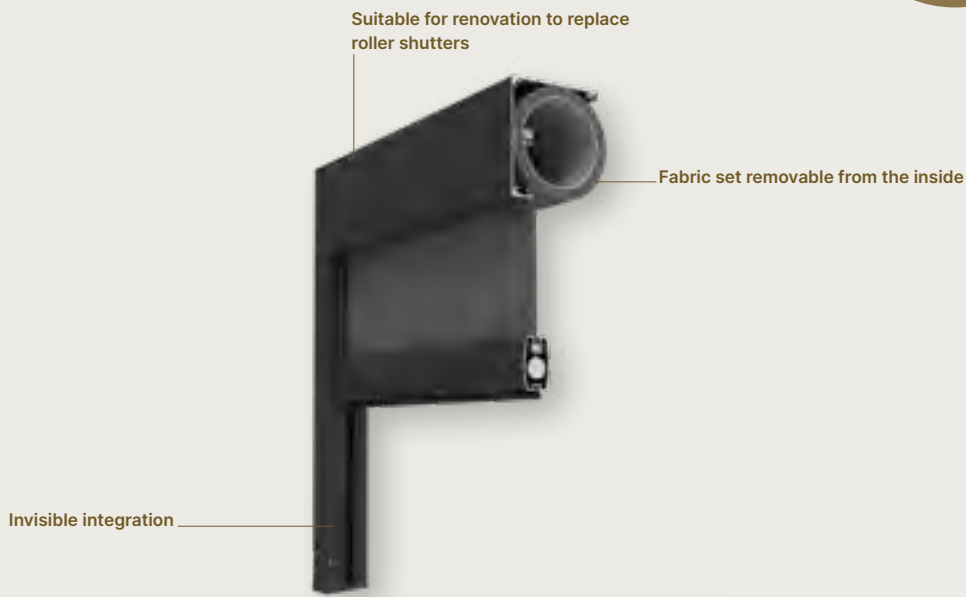
# FIXSCREEN® RECESSED ON TOP OF THE WINDOW





# FIXSCREEN®

## Recessed on top of the window IM 4

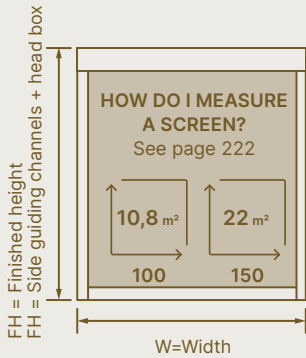


Design	Fixscreen® 100	Fixscreen® 150
Head box dimensions (HxD)	100 mm x 100 mm	150 mm x 155 mm
Head box extension	-	
Square	-	✓
Softline	✓	-
Retractable bottom bar	✓	✓ (to FH ≤800 mm)
Recessed fabric tube	✓	
Base plate side guiding channel	At an angle of 0° or 5°	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 130 km/h in closed position depending on dimensions	
Control		
Detecto Renson motor Safety First	-	
Somfy mechanic motor	✓	
Somfy IO radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		Fixscreen® 100		Fixscreen® 150	
Single screen					
Fibre glass fabric Sergé / Natté / Privacy Polyester fabric Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92 Tuffscreen insect mesh	Min. width	700 mm		905 mm	
	Max. width	4000 mm	3000 mm	6000 mm	
	Max. height	2700 mm	3500 mm	6000 mm	
	Max. surface area	10.8 m²	10.5 m²	22 m²	
Blackout fibre glass fabric Satiné 21154	Min. width	1000 mm		1000 mm	
	Max. width	2000 mm		4000 mm	6000 mm
Blackout polyester fabric Soltis Opaque B92	Max. height	2700 mm		4000 mm	2,600 mm
	Max. surface area	5.4 m²		16 m²	15.6 m²
Coupled screen with 1 motor					
Fibre glass fabric Sergé / Natté Soltis Veozip / Soltis Horizon 86 / Soltis Perform 92 polyester fabric Tuffscreen insect mesh	Min. section width	795 mm		1810 mm	
	Max. section width	4000 mm		5000 mm	
	Max. height	2700 mm		6000 mm	
	Max. total surface area	16.2 m²		22 m²	
Blackout fibre glass fabric Satiné 21154 Soltis Opaque B92 blackout polyester fabric	Min. section width	795 mm		1810 mm	
	Max. section width	2000 mm		4000 mm	
	Max. height	2700 mm		2,600 mm	
	Max. total surface area	10.8 m²		15.6 m²	
Coupled screen with 2 motors (IM 7A)					
Possible dimensions per section, per fabric type according to 'single screen' table	Max. Total width	6000 mm		6000 mm	
	Max. Total surface area	21 m²		36 m²	

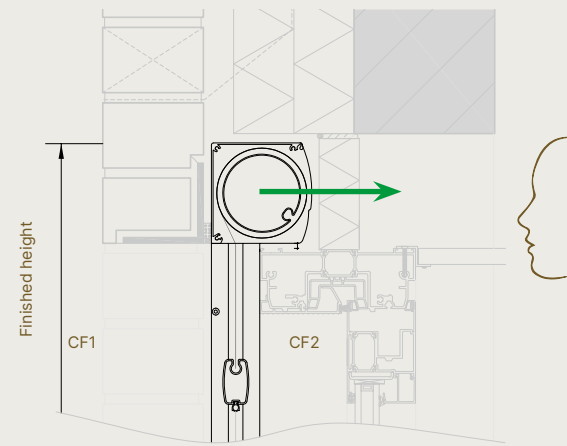
NOTE

- The inner side is finished by the carpenter and must be detachable.
- Fixscreen 100: Finished height = window height + 5 mm + head box height
- Fixscreen 150: installation with minimum 2 people recommended. Weight: ± 23 kg/rm.

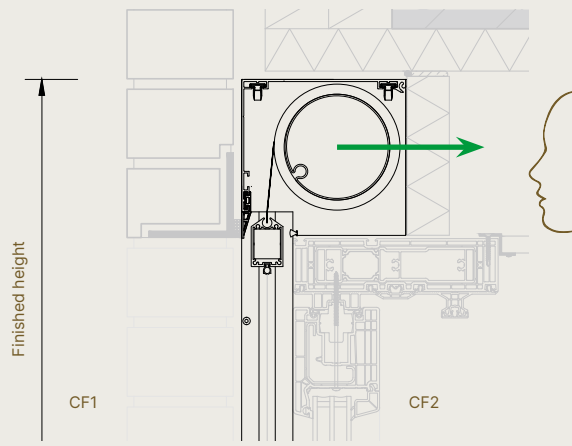




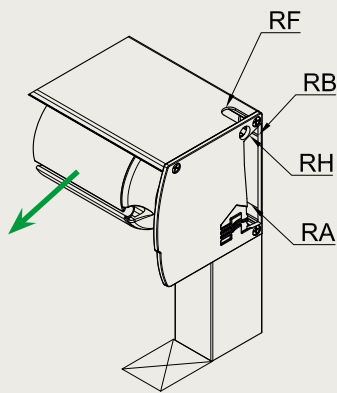
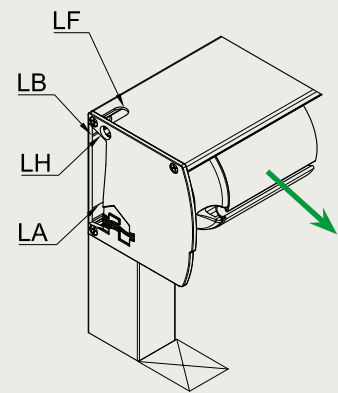
Fixscreen® 100 - Drawing recessed masonry



Fixscreen® 150 - Drawing recessed masonry

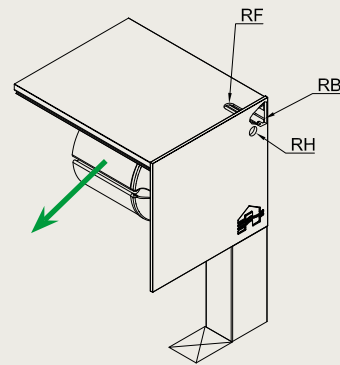
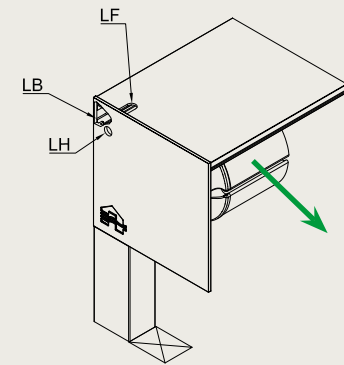


Fixscreen® 100 - Cable feed



Feed	Type of feed	Location of feed
A	Cable	rear
B	Cable	rear
F	Cable	top
H	Cable	side

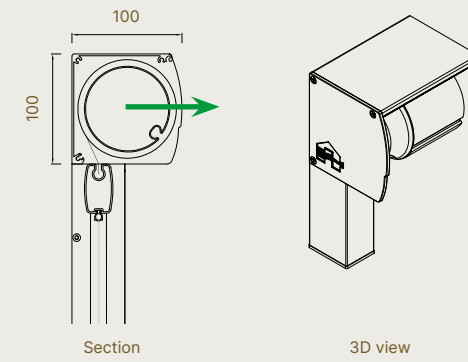
Fixscreen® 150 - Cable feed



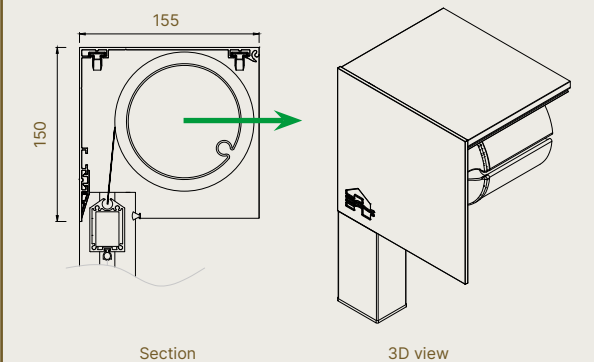
Feed	Type of feed	Location of feed
B	Cable	rear
F	Cable	top
H	Cable	side

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

Fixscreen® 100 - Head box

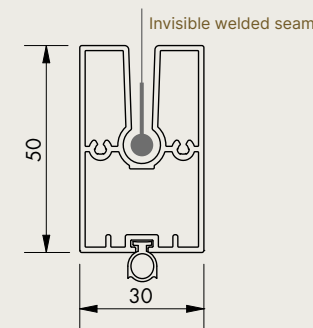


Fixscreen® 150 - Head box

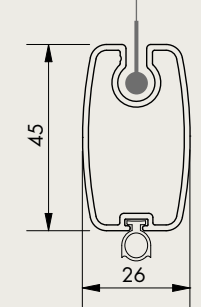


Fixscreen® 100 - Bottom bar

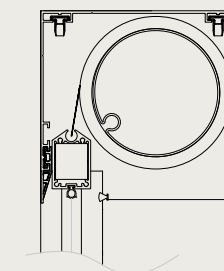
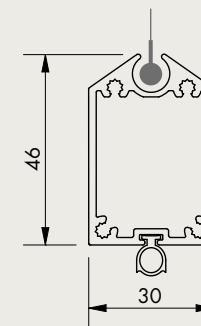
Square design



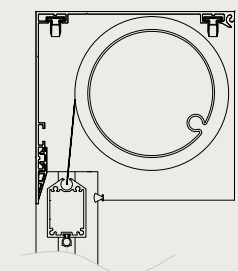
Softline design (standard)



Fixscreen® 150 - Bottom bar

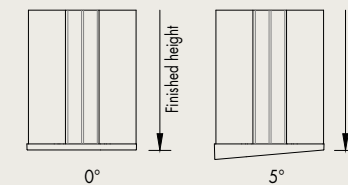


FH ≤ 2800 mm  
Bottom bar disappears completely in the head box

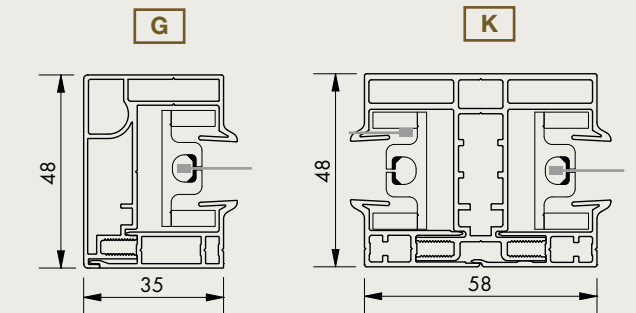


2800 mm < FH ≤ 6000 mm  
Bottom bar partially disappears into the head box

Base plate side guiding channel



Side guiding channels



G = closed side guiding channel

K = coupling side guiding channel

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



# FIXSCREEN® RECESSED

ON TOP OF THE WINDOW WITH  
ACOUSTICS OR VENTILATION

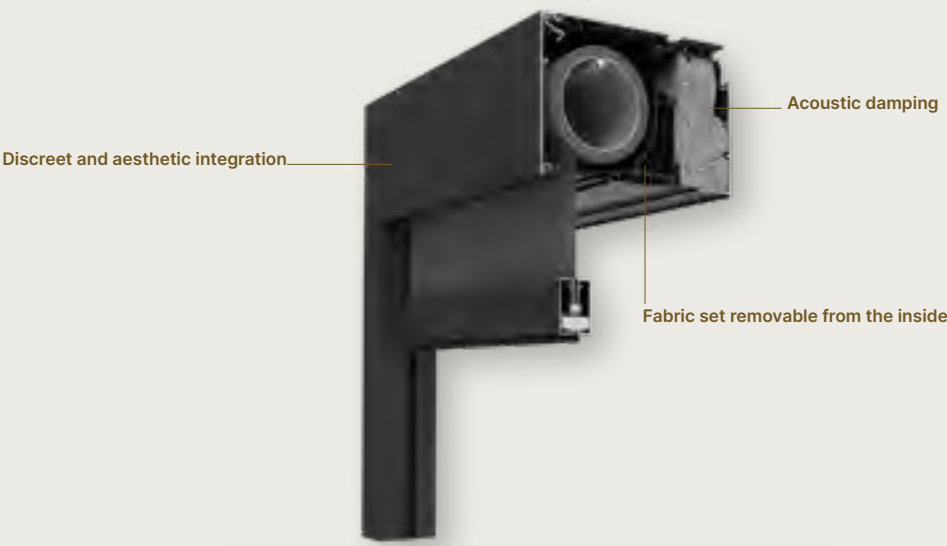




# FIXSCREEN® MONO AK

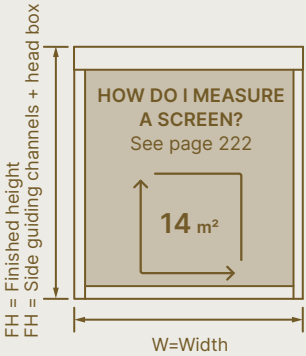
NEW BUILD  
AND EXTENSIVE  
RENOVATION

Recessed on top of the window with acoustics IM 4



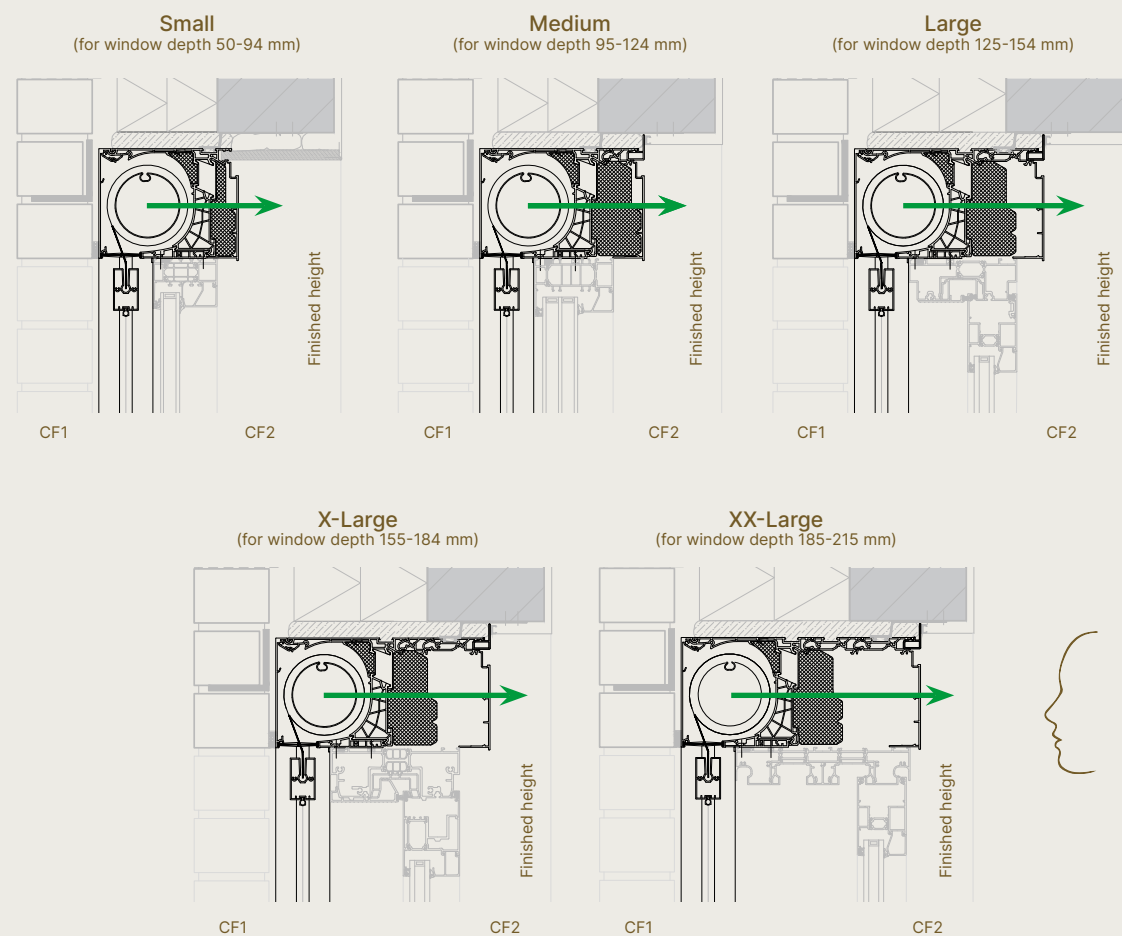
Design	Small	Medium	Large	X-Large	XX-Large
Head box size (HxD) (mm)	132 × 167	132 × 197	132 × 227	132 × 257	132 × 287
Compatible window thicknesses	50-94 mm	95-124 mm	125-154 mm	155-184 mm	185-215 mm
Wind resistance					
Wind classification EN13561:2004	3				
Wind tunnel test report	N°113-25809				
Guaranteed wind resistance	Up to 130 km/h in closed position depending on dimensions				
Control					
Detecto Renson motor Safety First	✓				
Somfy mechanic motor	✓				
Somfy IO radio-controlled motor	✓				
Comfort					
Acoustic damping Dnew (C;Ctr) (rolled up fabric)	47(-1;4)dB	50(-1;-3)dB	50(-1;-3)dB	50(-1;-3)dB	52(-2;-5)dB
Technical details					
With thermal break	✓				
U value (W/m2K)	0.92	0.53	0.54	0.54	0.55
Insect-proof	✓				
Certificates					
Declaration of Performance (DoP)	DOP-2015SC00002				
Durability test report	WTCB N°651 XE823 CAR4139				

Dimensions		
Single screen		
Fibre glass fabric Sergé / Natté / Privacy Soltis Horizon 86 / Soltis Perform 92 polyester fabric Tuffscreen insect mesh	Min. width	700 mm
	Max. width	4000 mm
	Max. height	3500 mm
	Max. surface area	14 m²
Blackout fibre glass fabric Satiné 21154	Min. width	1000 mm
	Max. width	2000 mm
Blackout polyester fabric Soltis Opaque B92	Max. height	2700 mm
	Max. surface area	5.4 m²





## Drawing recessed masonry

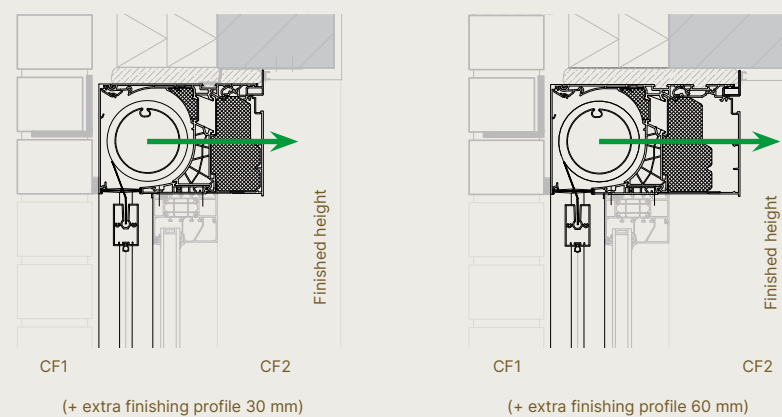


## Improved acoustic comfort or U value

Optional: deeper head box size compared to standard window group for better acoustic comfort or U value

Example 1: Medium on narrower window

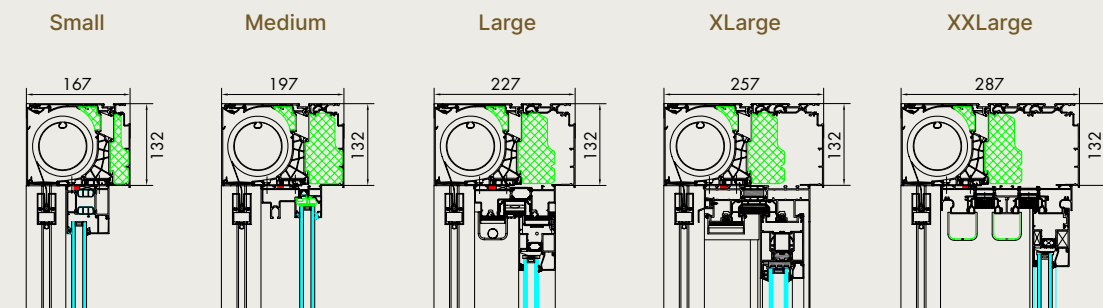
Example 2: Large on narrower window



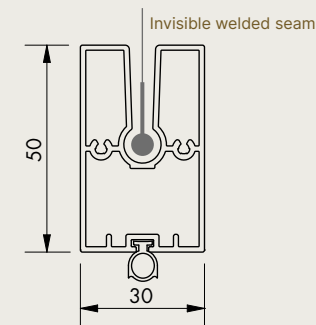
Head box type	Dimensions of optional finishing profile
Small	no finishing profile
Medium	finishing profile 30 mm
Large	finishing profile 60 mm
X-Large	finishing profile 90 mm
XX-Large	finishing profile 120 mm

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

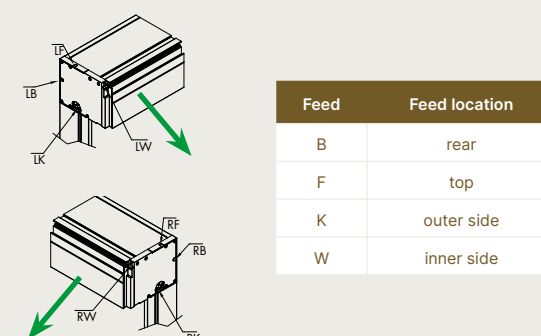
## Head box



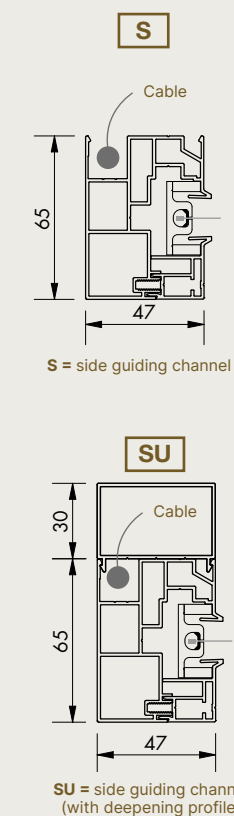
## Bottom bar



## Cable feed

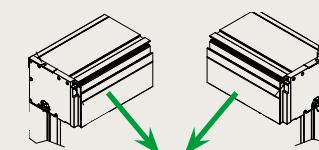


## Side guiding channels

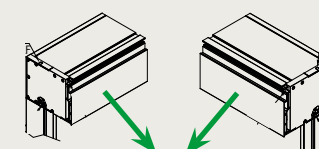


## Optional finishing profile

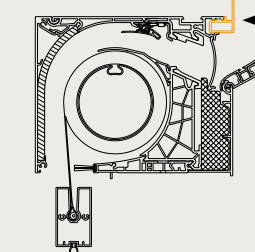
Stucco stop (standard)



Continuous profile (option)



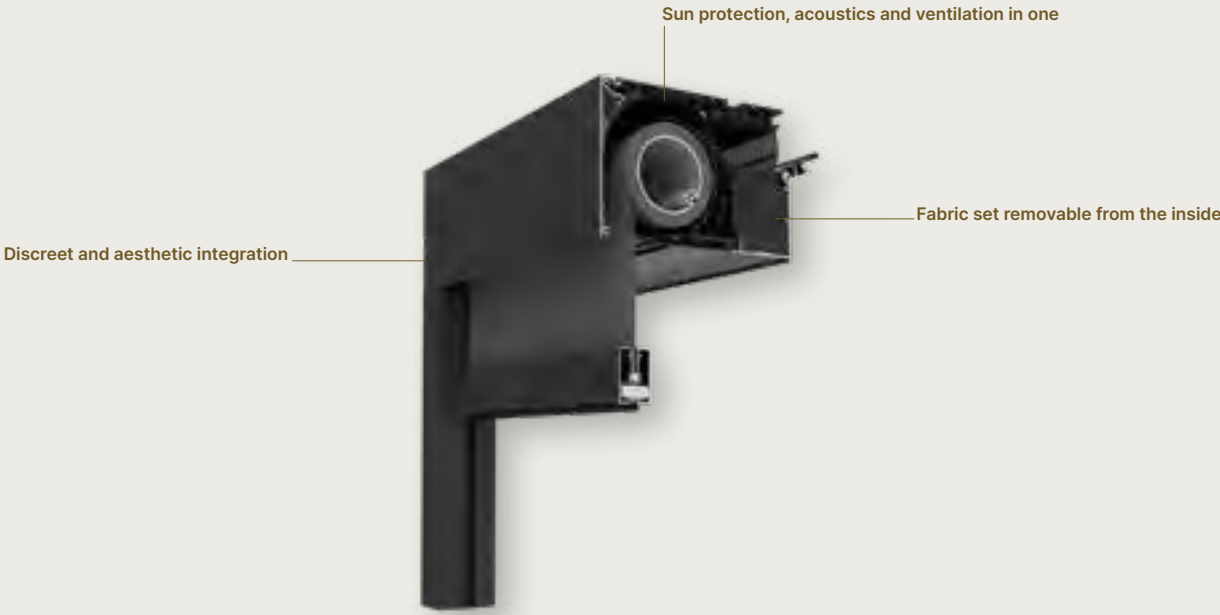
Finishing profile (option)



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

# FIXVENT® MONO AK

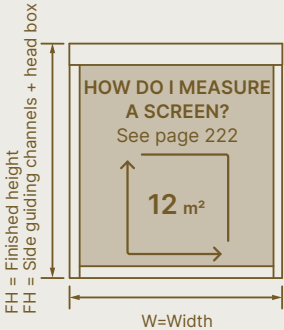
Recessed on top of the window with acoustics or ventilation IM 4



Design	Small	Medium	Large	X-Large	XX-Large
Head box size (HxD) (mm)	132 × 167	132 × 197	132 × 227	132 × 257	132 × 287
Compatible window thicknesses	50-94 mm	95-124 mm	125-154 mm	155-184 mm	185-215 mm
Wind resistance					
Wind classification EN13561:2004	3				
Wind tunnel test report	N°113-25809				
Guaranteed wind resistance	Up to 130 km/h in closed position depending on dimensions				
Control					
Detecto Renson motor Safety First	✓				
Somfy mechanic motor	✓				
Somfy IO radio-controlled motor	✓				
Certificates					
Declaration of Performance (DoP)	DOP-2015SC00002				
Durability test report	WTCB N°651 XE823 CAR4139				

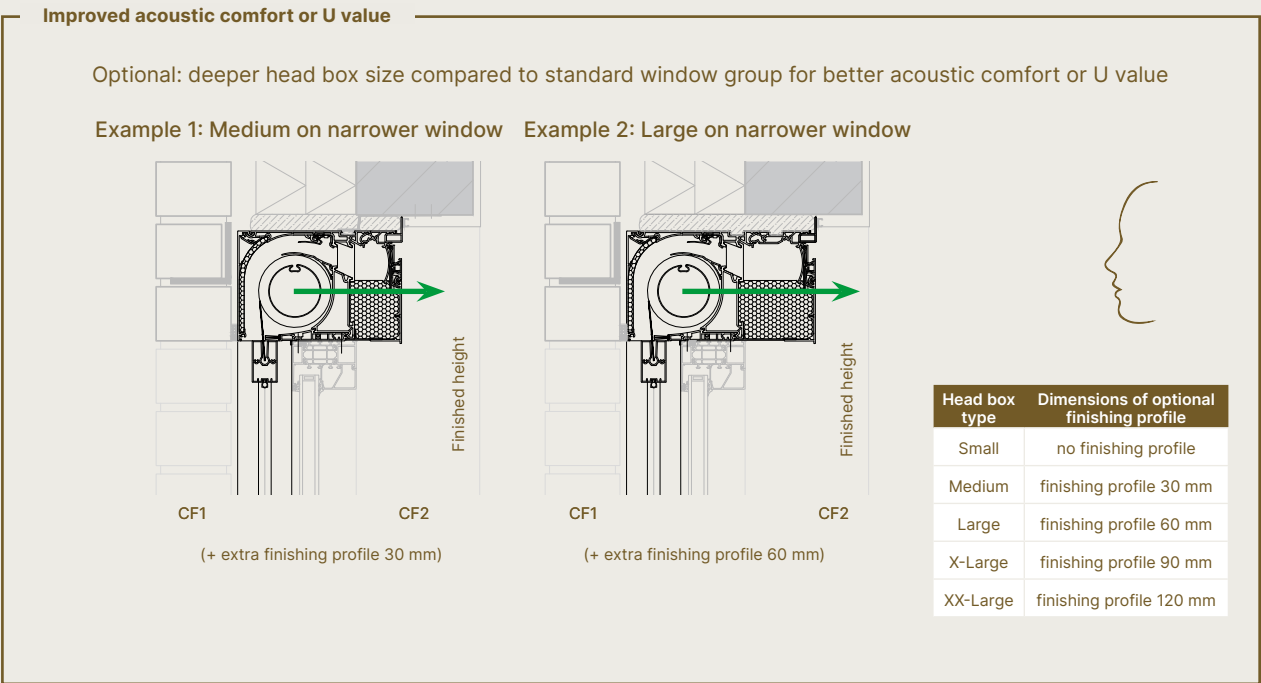
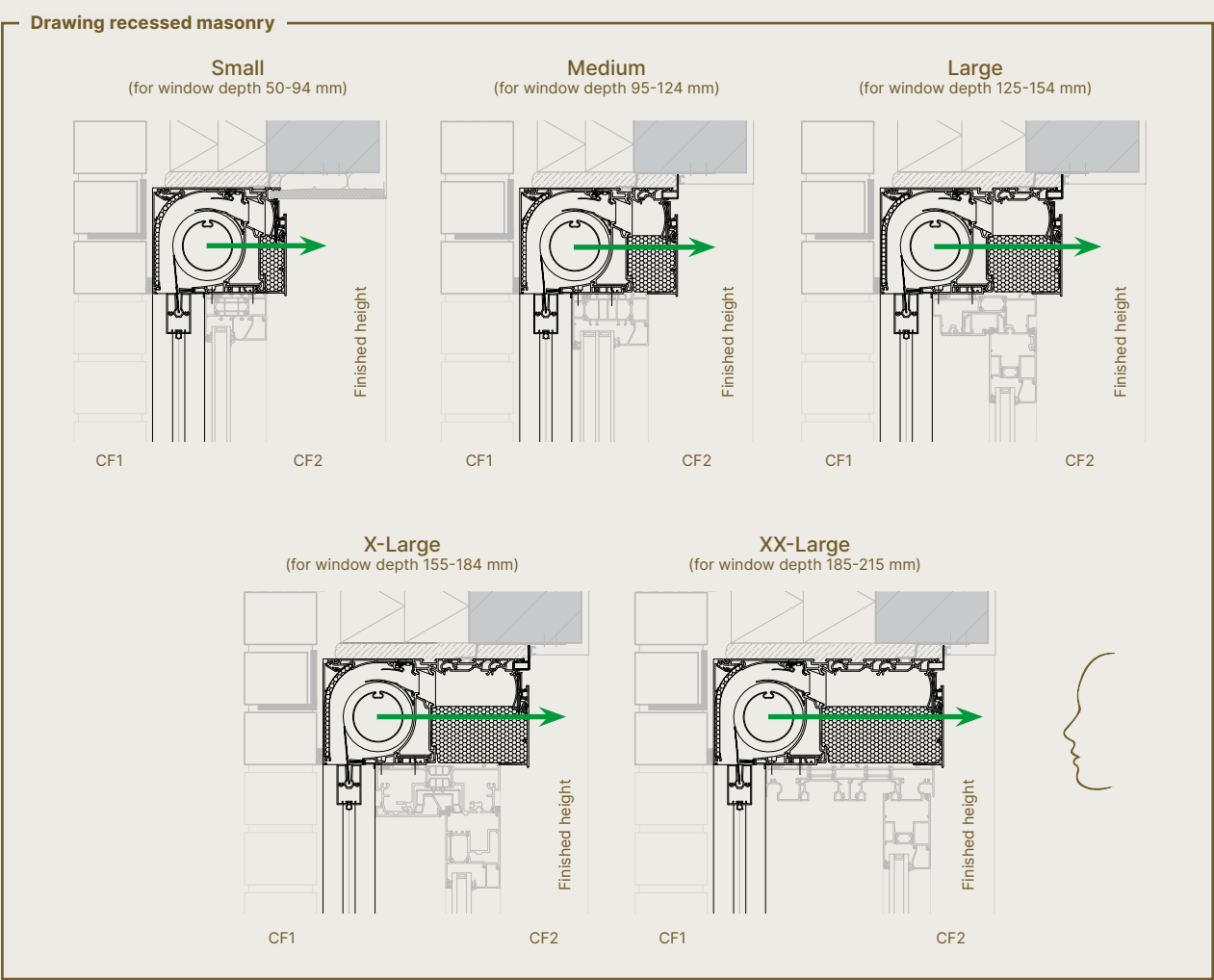
Dimensions		
Single screen		
Fibre glass fabric Sergé / Natté / Privacy Polyester fabric Soltis Horizon 86 / Soltis Perform 92 Tuffscreen insect mesh	Min. width	700 mm
	Max. width	4000 mm
	Max. height	3000 mm
Blackout fibre glass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Max. surface area	12 m²
	Min. width	1000 mm
	Max. width	2000 mm
	Max. height	2700 mm
	Max. surface area	5.4 m²

NOTE  
- Small head box not available for the Fixvent Mono ULTRA/EXTREME.



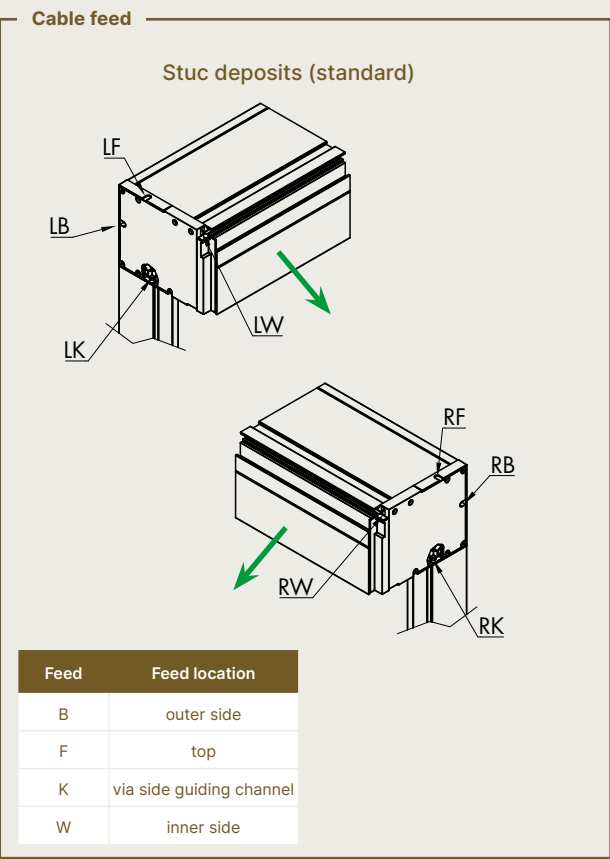
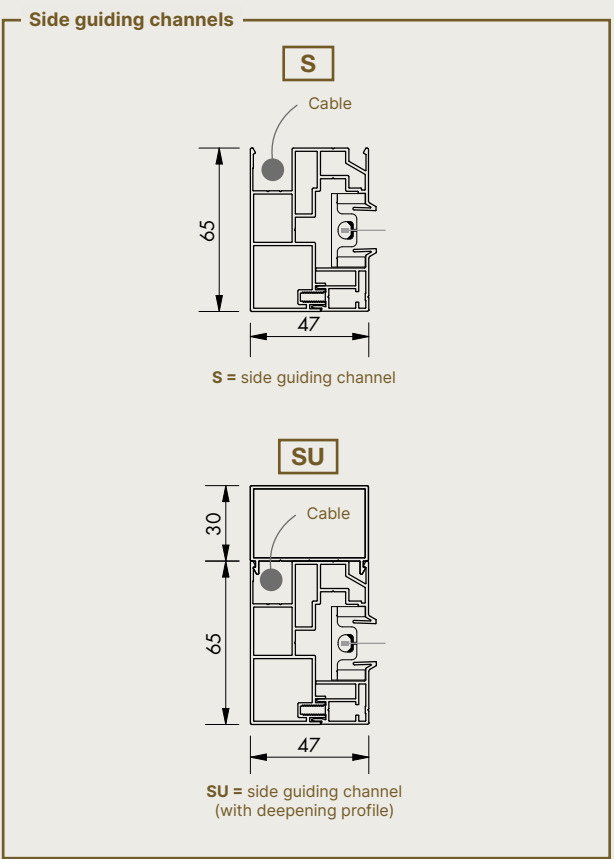
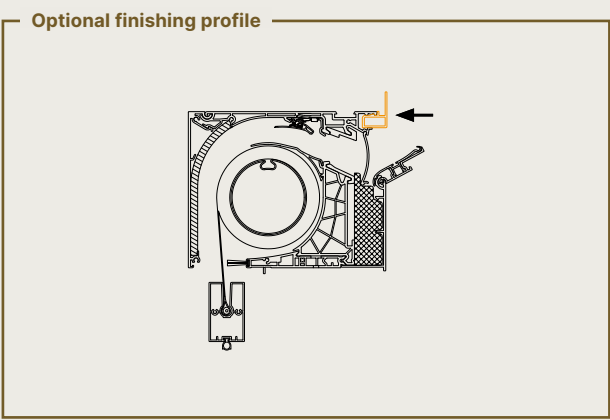
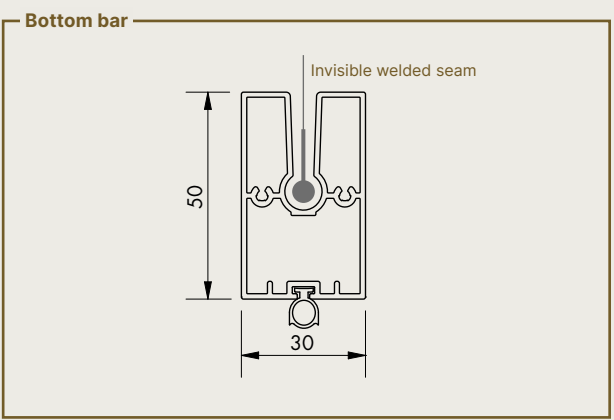
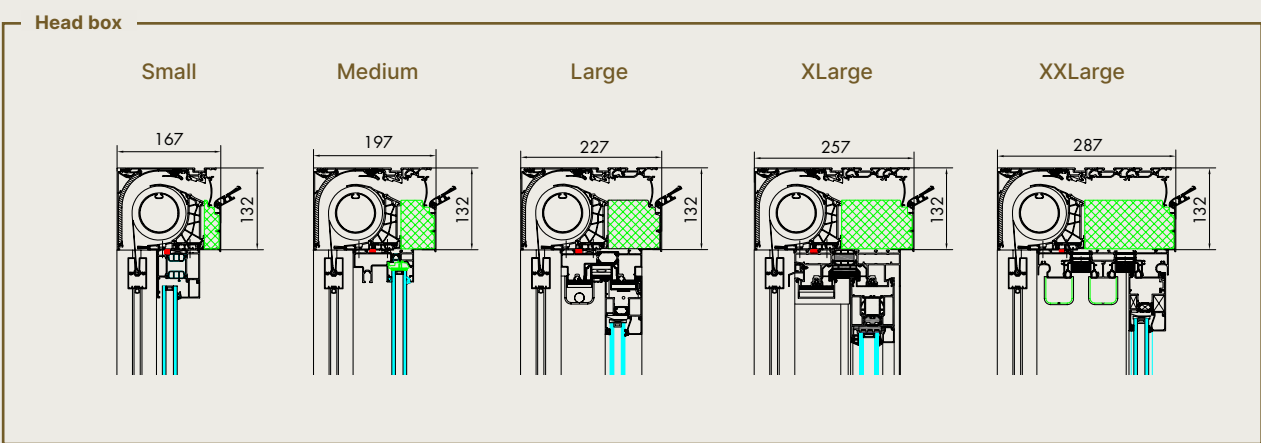
Ventilation						
Airflow						
Equivalent Area	Fixvent® Mono AK	18324 mm²/m				
	Fixvent® Mono AK ULTRA	4836 mm²/m				
	Fixvent® Mono AK EXTREME	2800 mm²/m				
Q at 1 Pa	Fixvent® Mono AK	12,8 l/s/m				
	Fixvent® Mono AK ULTRA	3,7 l/s/m				
	Fixvent® Mono AK EXTREME	2,1 l/s/m				
Comfort		Small	Medium	Large	X-Large	XX-Large
Acoustic insulation D <sub>new</sub> (C;C <sub>tr</sub> ) in open position (rolled up fabric)						
Fixvent® Mono AK		33(0;-2)dB	35(0;-3)dB	36(-1;-4)dB	37(-1;-4)dB	40(-1;-4)dB
Fixvent® Mono AK Ultra		n/a	38(0;-2)dB	40(-1;-4)dB	43(-1;-4)dB	45(-1;-5)dB
Fixvent® Mono AK Extreme		n/a	43(0;-3)dB	43(0;-3)dB	46(-1;-4)dB	48(-2;-5)dB
Technical details						
Self-regulating		at 2 Pa				
With thermal break		✓				
U value (W/m²K)						
Fixvent® Mono AK		1.47	0.98	0.80	0.77	0.72
Fixvent® Mono AK Ultra		n/a	0.70	0.55	0.46	0.41
Fixvent® Mono AK Extreme		n/a	0.62	0.47	0.38	0.32
Leakage flow in closed position		< 15% at 50 Pa				
Insect-proof		✓				





Note: The Fixvent Mono AK Ultra/Extreme is always supplied with finishing profile as standard.

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



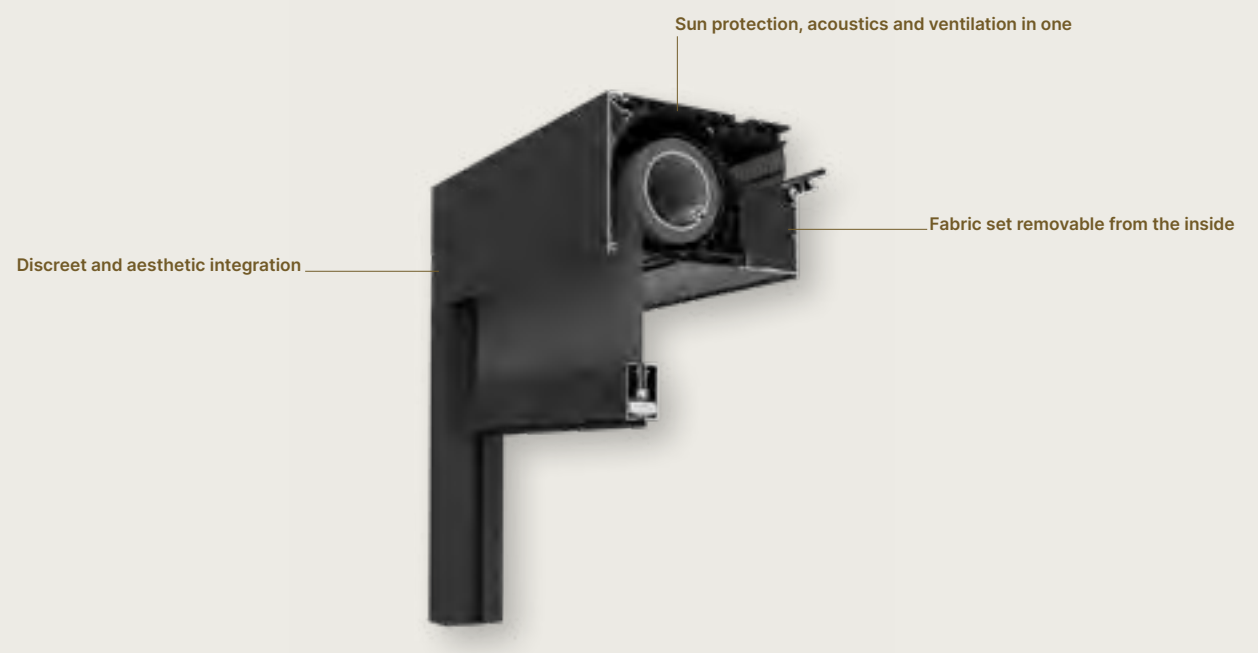
Note:  
- The Fixvent Mono AK ULTRA/EXTREME is always supplied with finishing profile as standard.  
- Small head box not applicable for the Fixvent ULTRA/EXTREME.

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

# FIXVENT® MONO UT

Recessed on the window with acoustics or ventilation IM 4

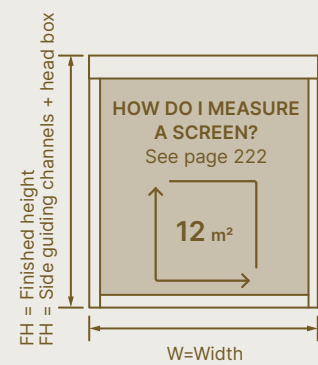
UTILITY  
CONSTRUCTION



Design	Small	Medium	Large	X-Large	XX-Large
Head box size (HxD) (mm)	132 × 167	132 × 197	132 × 227	132 × 257	132 × 287
Compatible window thicknesses	50-94 mm	95-124 mm	125-154 mm	155-184 mm	185-215 mm
Wind resistance					
Wind classification EN13561:2004	3				
Wind tunnel test report	N°113-25809				
Guaranteed wind resistance	Up to 130 km/h in closed position depending on dimensions				
Control					
Detecto Renson motor Safety First	✓				
Somfy mechanic motor	✓				
Somfy IO radio-controlled motor*	✓				
Certificates					
Declaration of Performance (DoP)	DOP-2015SC00002				
Durability test report	WTCB N°651 XE823 CAR4139				

Dimensions		
Single screen		
Fibre glass fabric Sergé / Natté / Privacy Soltis Horizon 86 / Soltis Perform 92 polyester fabric Tuffscreen insect mesh	Min. width	700 mm
	Max. width	4000 mm
	Max. height	3000 mm
Blackout fibre glass fabric Satiné 21154 Blackout polyester fabric Soltis Opaque B92	Max. surface area	12 m²
	Min. width	1000 mm
	Max. width	2000 mm
	Max. height	2700 mm
	Max. surface area	5.4 m²

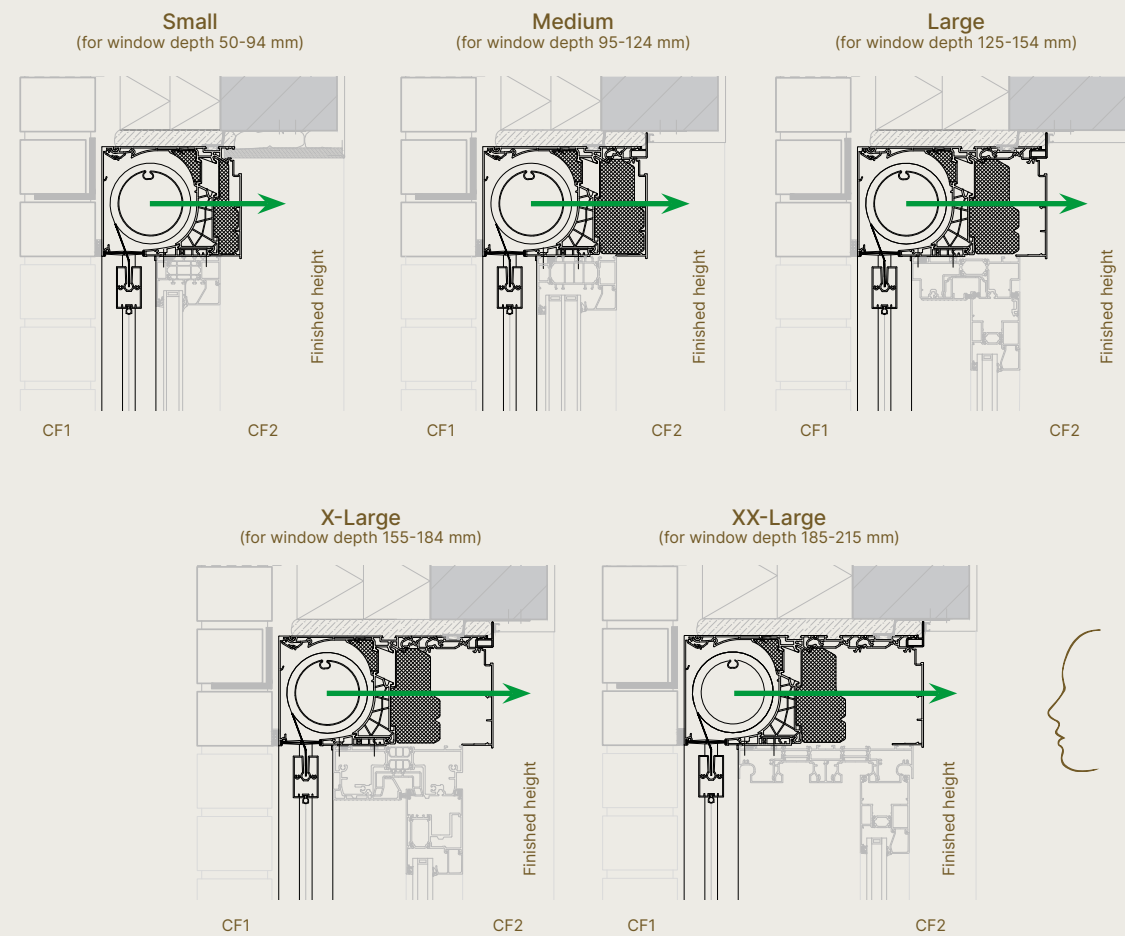
NOTE  
- Small head box not available for the Fixvent Mono UT/ULTRA.



Ventilation						
Airflow						
Equivalent Area	Fixvent® Mono UT	19724 mm²/m				
	Fixvent® Mono UT ULTRA	4836 mm²/m				
Q at 1 Pa	Fixvent® Mono UT	15.5 l/s/m				
	Fixvent® Mono UT ULTRA	3.7 l/s/m				
Comfort		Small	Medium	Large	X-Large	XX-Large
Acoustic insulation D <sub>new</sub> (C;C <sub>tr</sub> ) in open position (rolled up fabric)						
Fixvent® Mono UT		33(0;-2)dB	35(0;-3)dB	36(-1;-4)dB	37(-1;-4)dB	40(-1;-4)dB
Fixvent® Mono UT Ultra		n/a	38(0;-2)dB	40(-1;-4)dB	43(-1;-4)dB	45(-1;-5)dB
Technical details						
Self-regulating		at 10 Pa				
With thermal break		✓				
U value (W/m²K)						
Fixvent® Mono UT Ultra		1.47	0.98	0.80	0.77	0.72
Fixvent® Mono UT Ultra		n/a	0.70	0.55	0.46	0.41
Leakage flow in closed position		< 15% at 50 Pa				
Insect-proof		✓				



Drawing recessed masonry

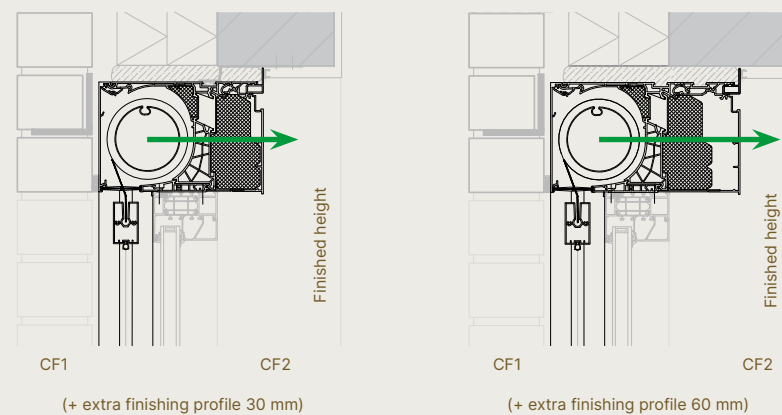


Improved acoustic comfort or U value

Optional: deeper head box size compared to standard window group for better acoustic comfort or U value

Example 1: Medium on narrower window

Example 2: Large on narrower window

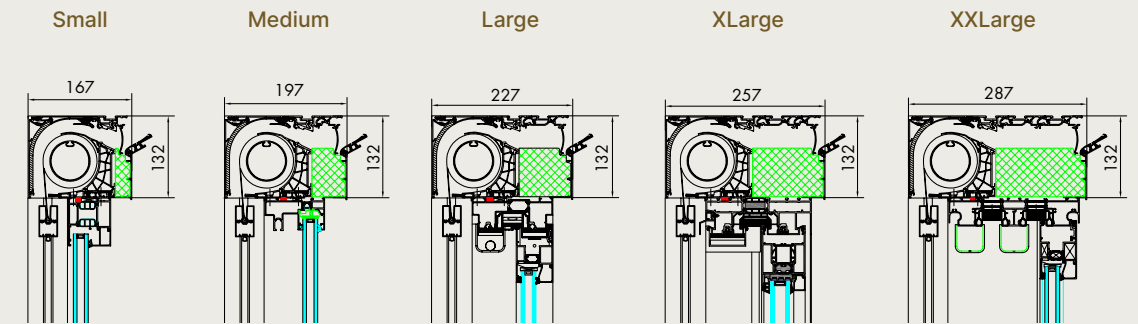


Head box type	Dimensions of optional finishing profile
Small	no finishing profile
Medium	finishing profile 30 mm
Large	finishing profile 60 mm
X-Large	finishing profile 90 mm
XX-Large	finishing profile 120 mm

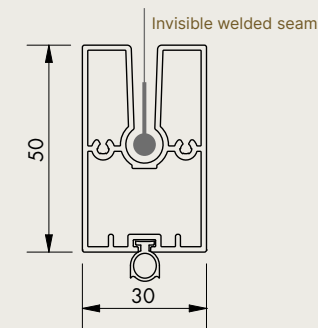
Note: The Fixvent Mono UT Ultra is always supplied with finishing profile as standard.

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

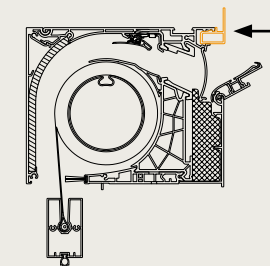
Head box



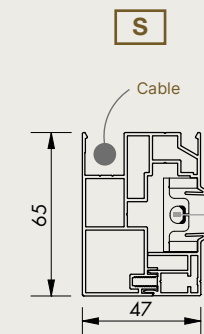
Bottom bar



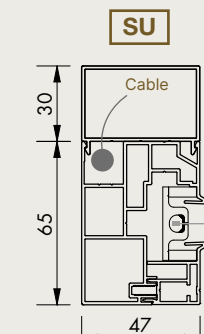
Optional finishing profile



Side guiding channels



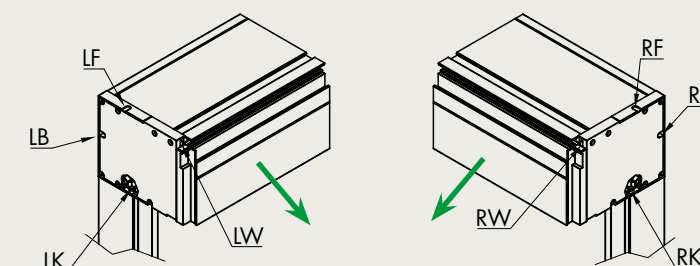
S = side guiding channel



SU = side guiding channel (with deepening profile)

Cable feed

Stucco stop (standard)



Feed	Type of feed	Location of feed
B	Cable	outer side
F	Cable	top
K	Cable	via side guiding channel
W	Cable	inner side

Note:

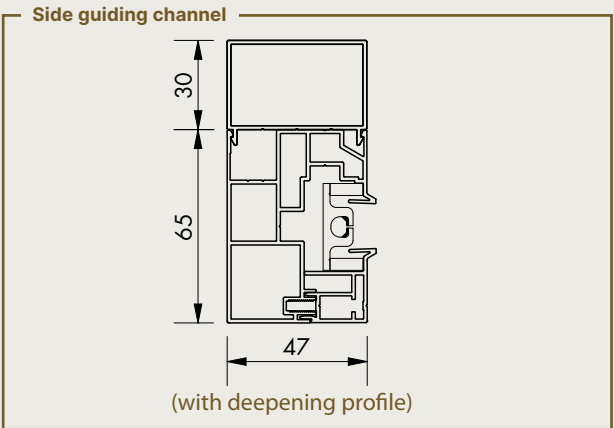
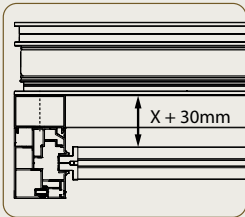
- The Fixvent Mono UT ULTRA is always supplied with finishing profile as standard.
- Small head box not applicable for the UT ULTRA version

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



### Option side guiding channel with deepening profile

The optional side guiding channel with deepening profile allows you to create extra space between window and fabric (e.g. to install a fixed or sliding mosquito net). The deepening profile is available in a fixed size - 30 mm x 47 mm - and therefore ensures that the space between the bottom bar and the window increases by 30 mm. When choosing this option, make sure that the head box size is still sufficient. Depending on the window depth, a larger head box may be required.

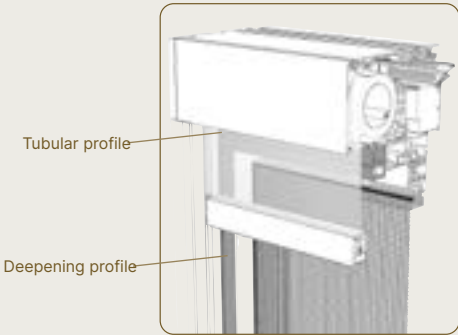


### Option tubular profile

When selecting side guiding channels with deepening profile, horizontal support at the bottom of the Fixvent Mono AK/UT and Fixscreen Mono AK head box is required. This can be done using the optional tubular profile. The head box must be screwed to the tubular profile (or other horizontal support) to safeguard correct operation and the warranty. The optional tubular profile is available in two different versions (H x D): 15 mm x 30 mm or 30 mm x 30 mm.

### What does this mean specifically?

<p><b>Single screen</b></p>	<ul style="list-style-type: none"> <li>• Side guiding channel with deepening profile (SU) x2 pieces according to finished height (FH) - head box height</li> <li>• Tubular profile x1 piece according to finished width - 94 mm</li> </ul>
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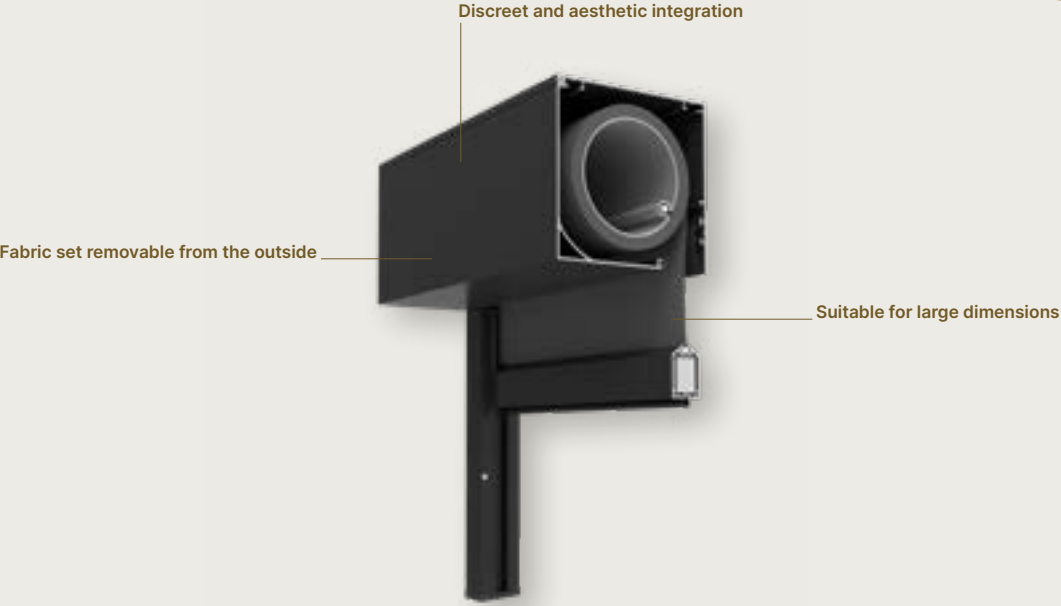


# FIXSCREEN® FREESTANDING



# FIXSCREEN®

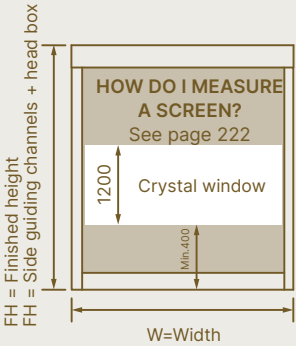
## Freestanding IM 1F



Design	
Head box dimensions (HxD)	150 mm x 155 mm
head box extension	500 mm
Square	✓
Softline	✓
Retractable bottom bar	✓ (to FH ≤2800 mm)
Recessed fabric tube	✓
Base plate side guiding channel	At an angle of 0° or 5°
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	N°113-25809
Guaranteed wind resistance	Up to 60 km/h in closed position
Control	
Detecto Renson motor Safety First	✓
Somfy mechanic motor	✓
Somfy (Meastria*) IO radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-2015SC00002
Durability test report	WTCB N°651 XE823 CAR4139

Dimensions		
Single screen		
Fibre glass fabric Sergé / Natté / Privacy Tuffscreen insect mesh	Min. width	905 mm
	Max. width	6000 mm
	Max. height	3000 mm
	Max. surface area	18 m²

- NOTE
- A wind sensor must be used for a finished height > 2800 mm.
  - \*For Somfy Maestria IO, the restriction applies: width ≥ 1200 mm
  - It is recommended that at least two people install the product. Weight: ± 23 kg/rm.



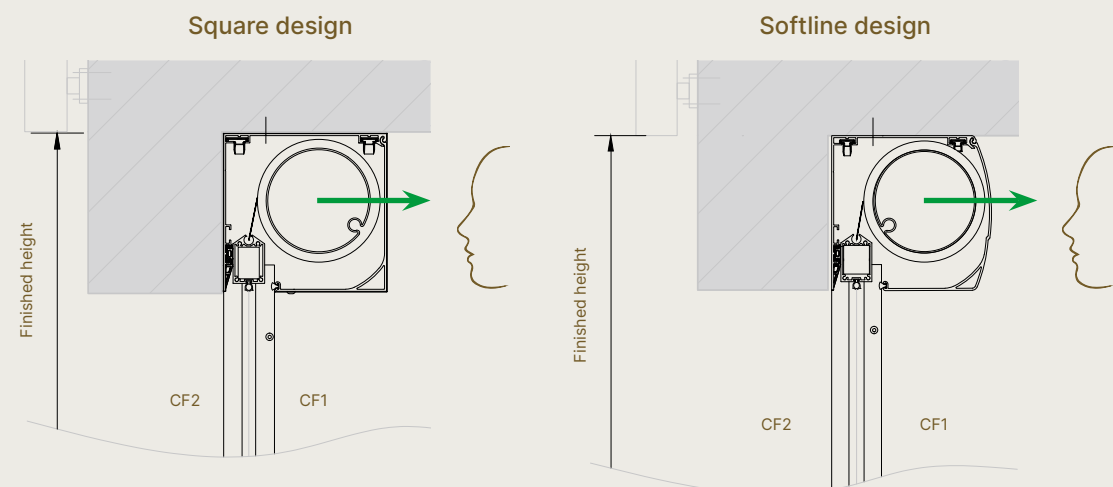
### Option crystal window in the full width

A crystal fabric can be chosen to maintain optimal contact with the outdoors. This is a transparent fabric that is integrated into a Fixscreen fibre glass fabric in a freestanding application. The crystal window in the full width of the screen is 1200 mm high. There must be a distance of 400 mm between the crystal window in the full width and the bottom.

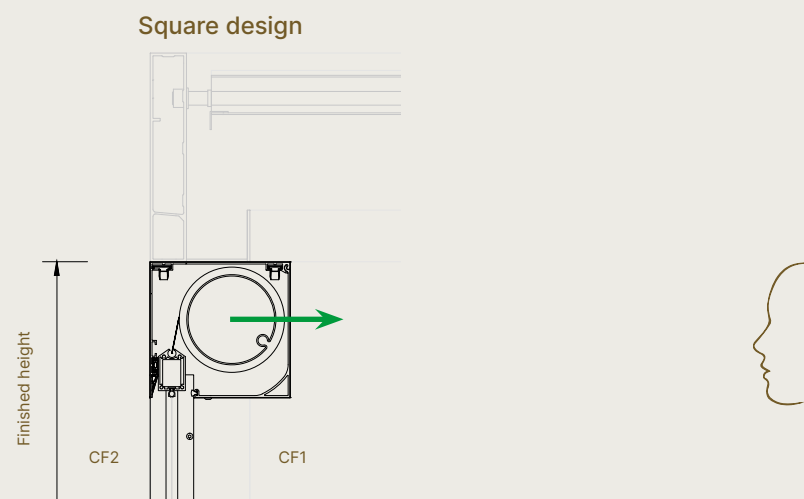




### Drawing surface-mounted balcony

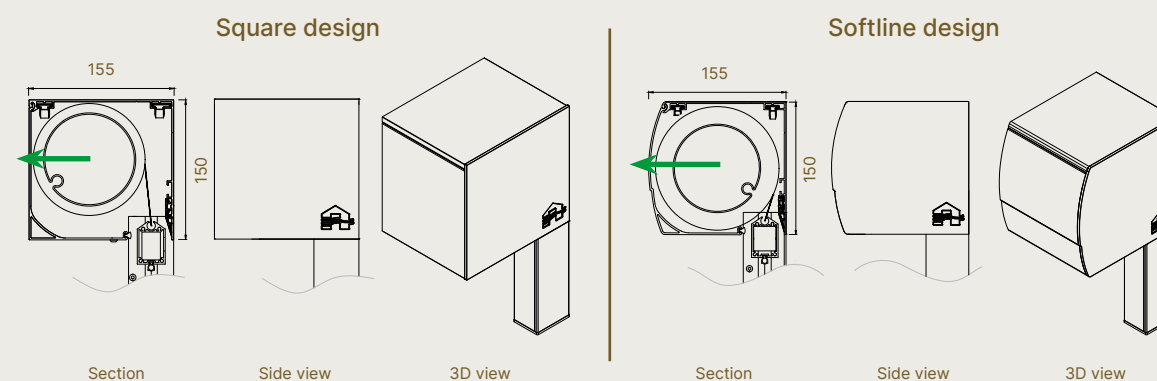


### Drawing Algarve

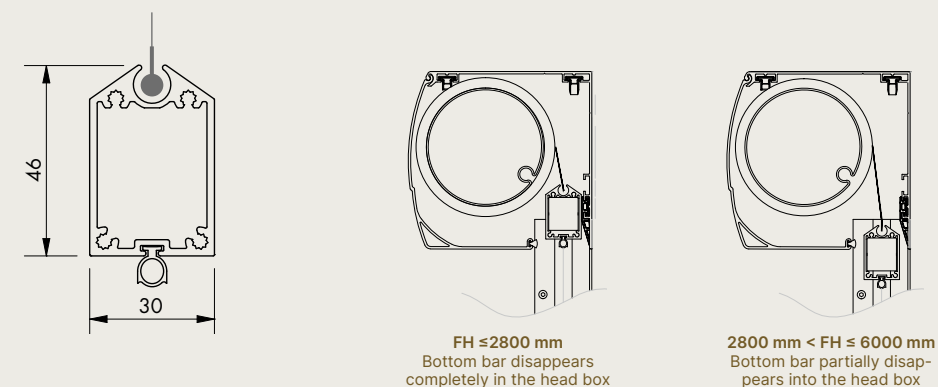


Viewing direction determines choice of left or right cable feed ← direction in which fabric set should be removed

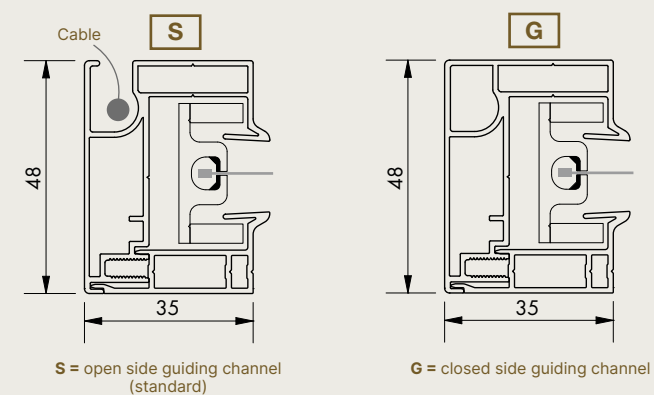
### Head box



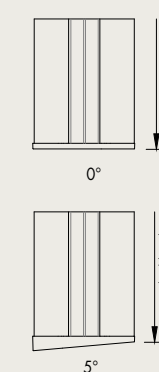
### Bottom bar



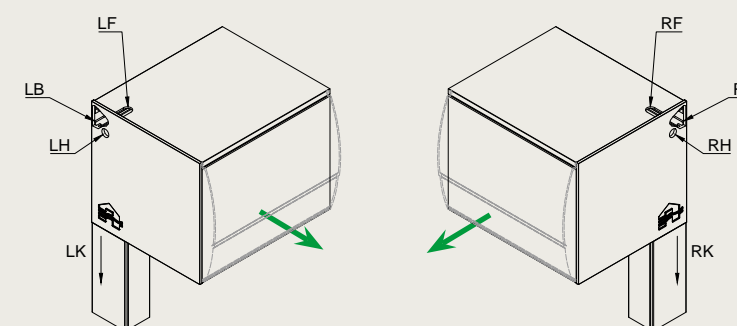
### Side guiding channels



### Base plate side guiding channel



### Cable feed

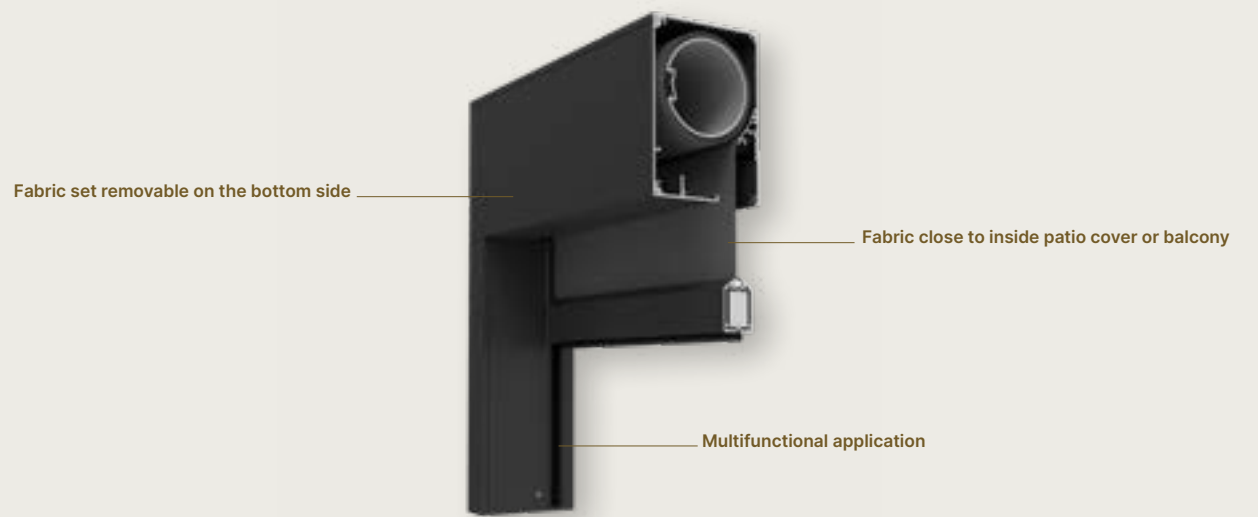


Feed	Feed location
B	rear
F	top
H	side
K	open side guiding channel

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

# FIXSCREEN®

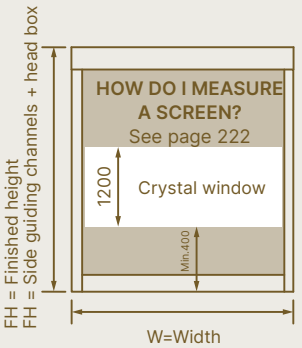
## Freestanding IM 7F



Design	Fixscreen® 100 Slim	Fixscreen® 150
Head box dimensions (HxD)	150 mm x 110 mm	150 mm x 155 mm
head box extension	500 mm	
Fabric tube with click-profile	✓	
Square	✓	
Softline	-	
Retractable bottom bar	✓	✓ (to FH ≤2800 mm)
Recessed fabric tube	✓	
Base plate side guiding channel	At an angle of 0° or 5°	
Wind resistance		
Wind classification EN13561:2004	3	
Wind tunnel test report	N°113-25809	
Guaranteed wind resistance	Up to 60 km/h in closed position	
Control		
Detecto Renson motor Safety First	✓	
Somfy mechanic motor	✓	
Somfy (Meastria*) IO radio-controlled motor	✓	
Certificates		
Declaration of Performance (DoP)	DOP-2015SC00002	
Durability test report	WTCB N°651 XE823 CAR4139	

Dimensions		Fixscreen® 100 Slim	Fixscreen® 150
Single screen			
Fibre glass fabric Sergé / Natté Soltis Veozip polyester fabric Tuffscreen insect mesh	Min. width	1000 mm	909 mm
	Max. width	6000 mm	6000 mm
	Max. height	2800 mm	3000 mm
	Max. surface area	16.8 m²	18 m²
Privacy fibre glass fabric	Min. width	1000 mm	-
	Max. width	4500 mm	-
	Max. height	2800 mm	-
	Max. surface area	12.6 m²	-

- NOTE**
- Fixscreen 150: It is recommended that at least two people install the product. Weight: ± 23 kg/rm.
  - Head box extension not possible with side guiding channel D
  - Plaster profile is optional
  - Fixscreen 100 Slim F: Crystal window in the full width can be applied up to a maximum system width of 4500 mm.
  - A wind sensor must be used for a finished height > 2800 mm.
  - \*For Somfy Maestria IO the restrictions below apply:
    - Fixscreen 100 Slim: Width ≥ 1200 mm - Height ≤ 2800 mm
    - Fixscreen 150: Width ≥ 1200 mm
  - Joining is not possible



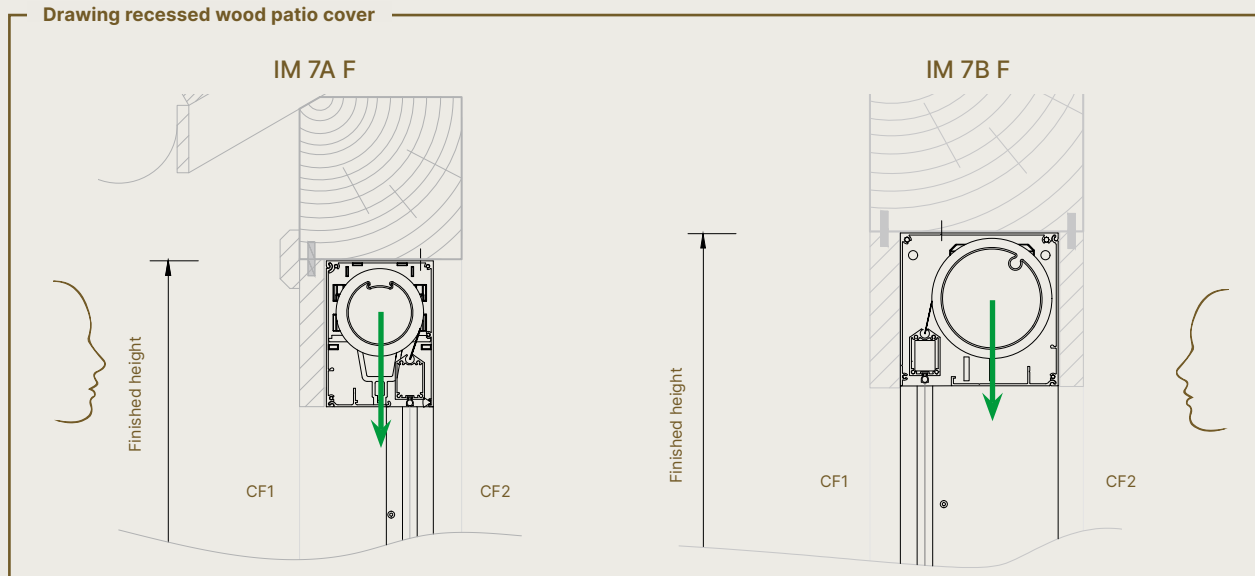
### Option crystal window in the full width

A crystal fabric can be chosen to maintain optimal contact with the outdoors. This is a transparent fabric that is integrated into a Fixscreen fibre glass fabric in a freestanding application. The crystal window in the full width of the screen is 1200 mm high. There must be a distance of 400 mm between the crystal window in the full width and the bottom.

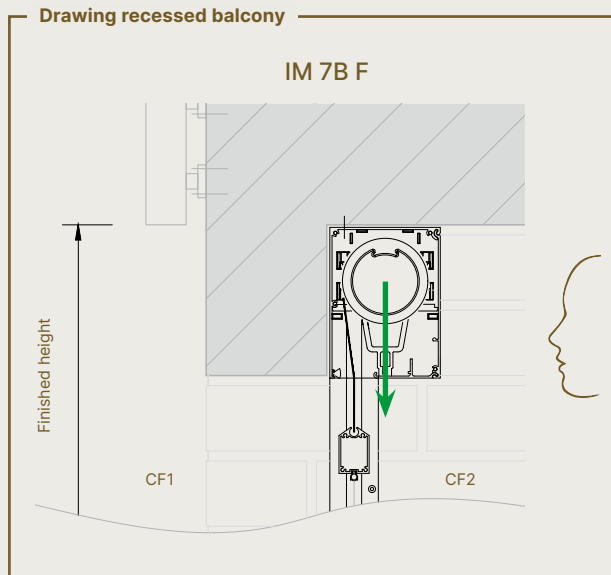




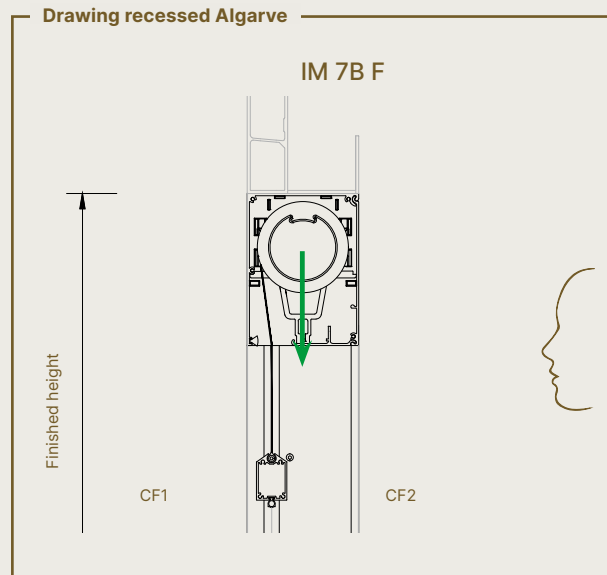
Drawing recessed wood patio cover



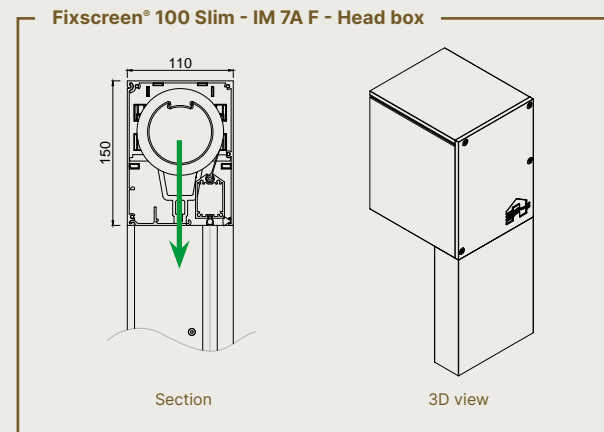
Drawing recessed balcony



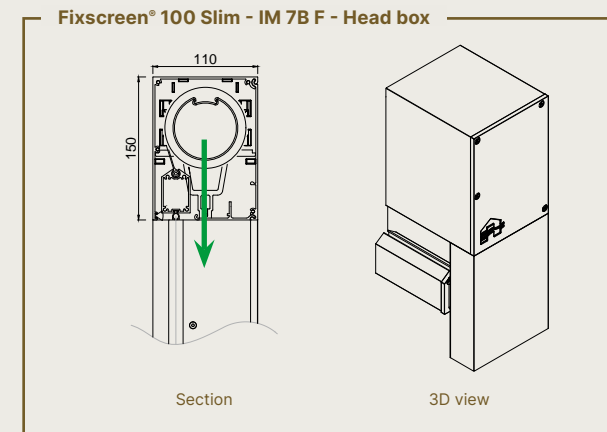
Drawing recessed Algarve



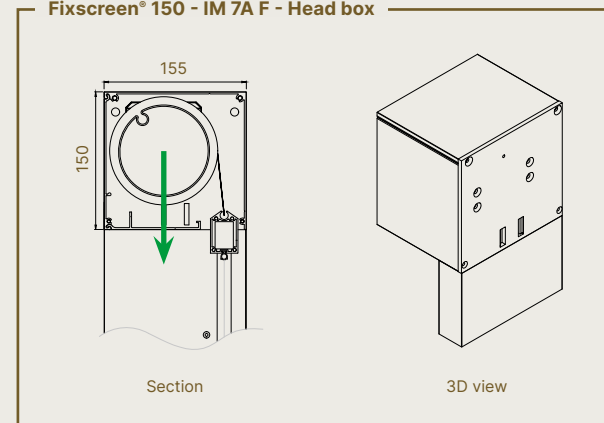
Fixscreen® 100 Slim - IM 7A F - Head box



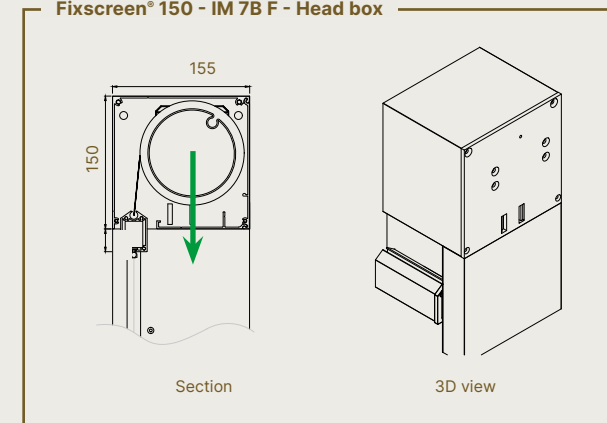
Fixscreen® 100 Slim - IM 7B F - Head box



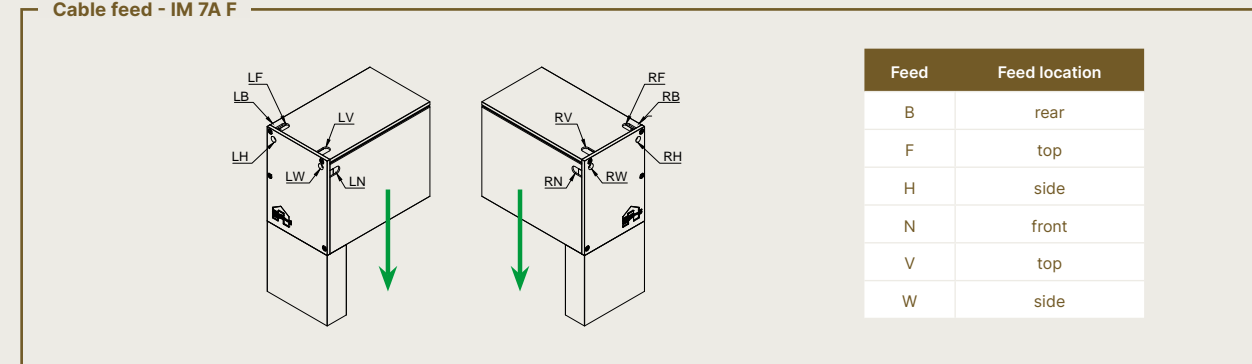
Fixscreen® 150 - IM 7A F - Head box



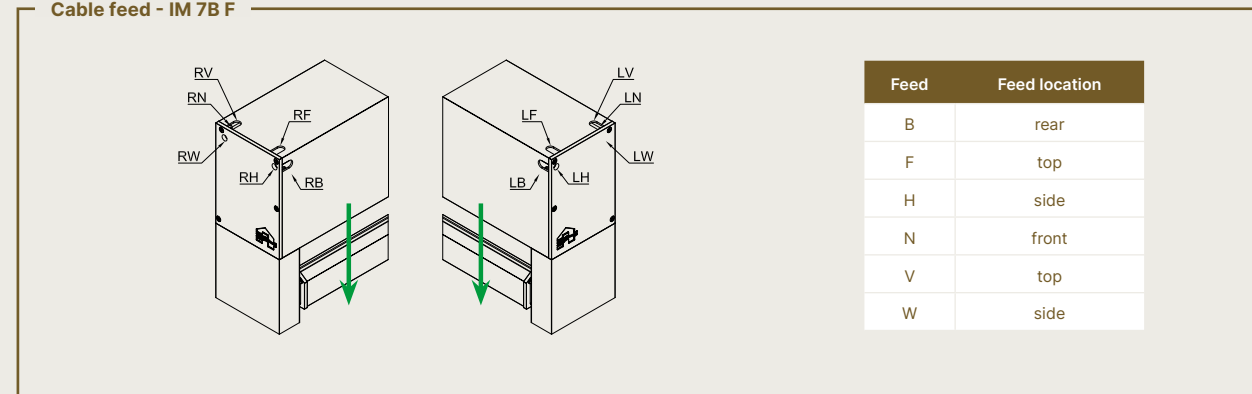
Fixscreen® 150 - IM 7B F - Head box



Cable feed - IM 7A F

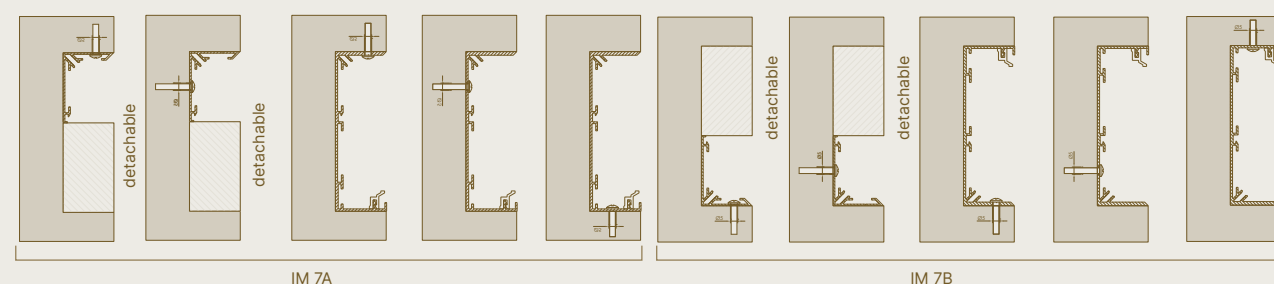


Cable feed - IM 7B F

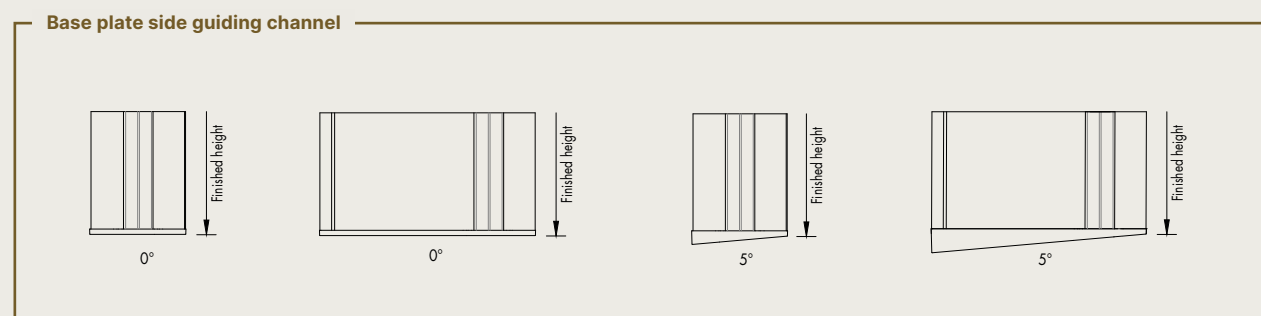
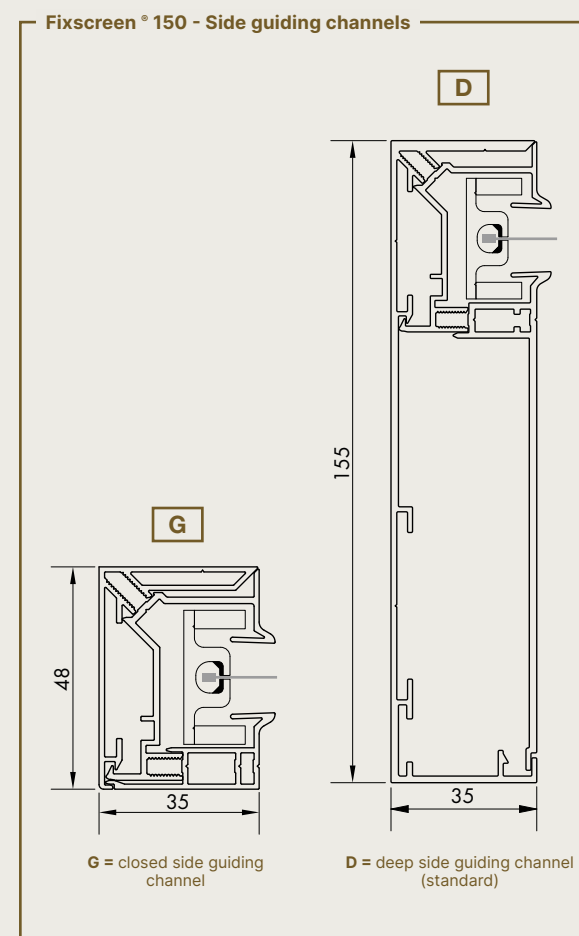
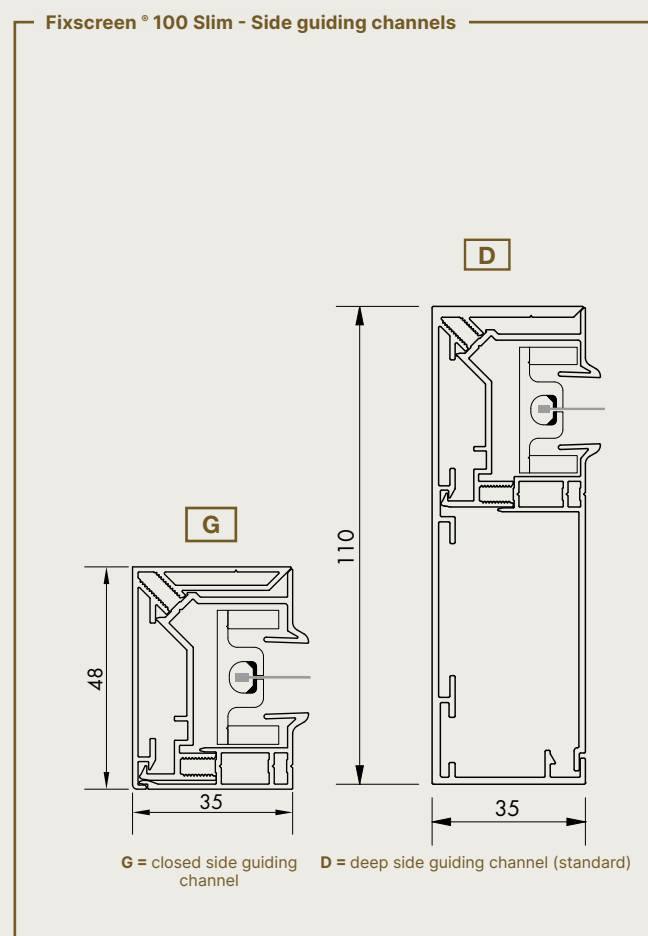
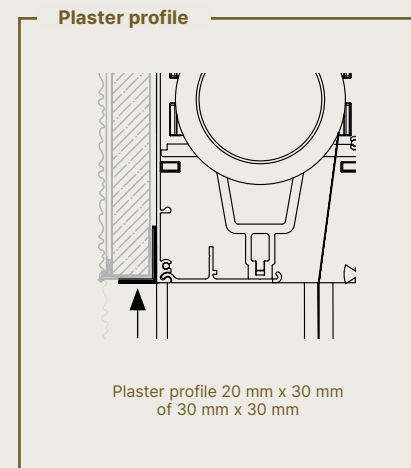
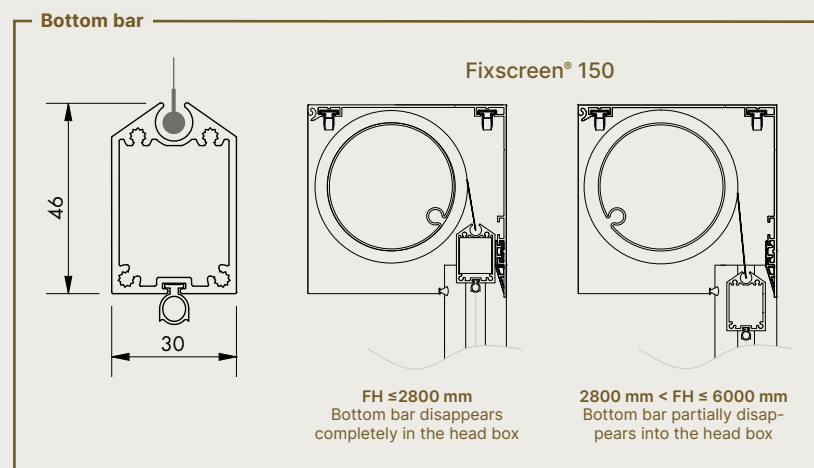


Viewing direction determines choice of left or right cable feed direction in which fabric set should be removed  
☒ Window position

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 in order to be able to disassemble the fabric set underneath (H = min. 680 mm).



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





# FIXSCREEN® READY

The Fixscreen Ready principle entails that all necessary Fixscreen features (for later installation of a fabric set) are already available. Fixscreen Ready is a great solution for projects, series construction and apartment construction. It provides a lower threshold for providing fabric sun protection while still offering an integrated solution. This adds value to the residential unit, and customers can decide for themselves when to integrate a fabric set to increase living comfort.

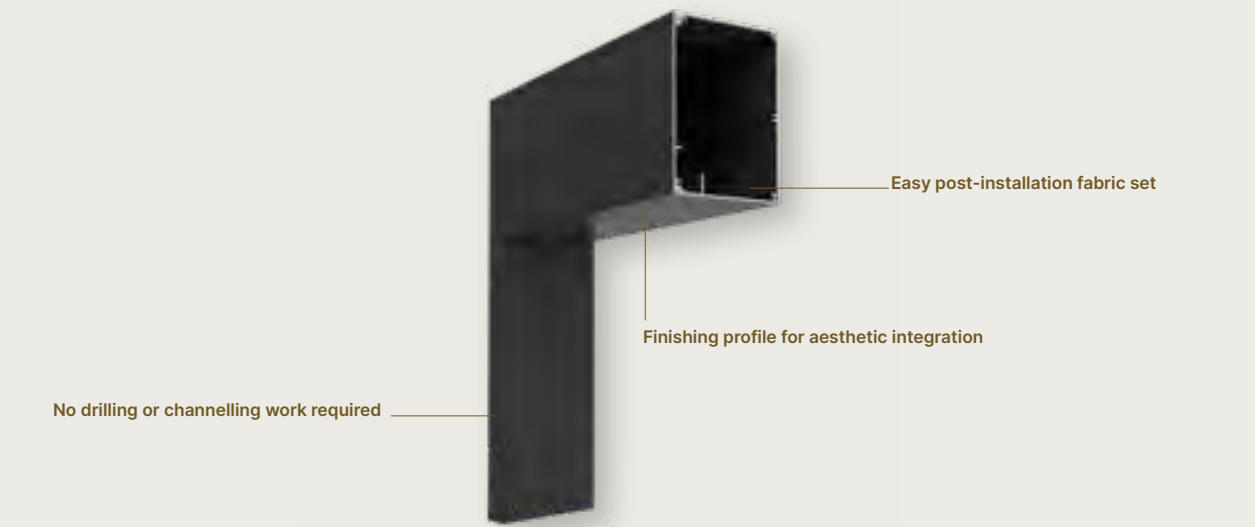


# FIXSCREEN® READY



## Recessed in front of the window IM 7

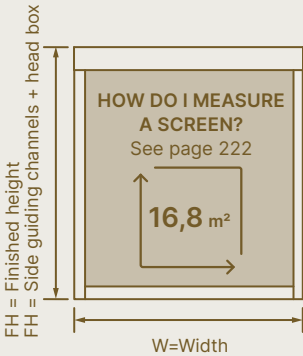
Installation method **7A** fabric close to the window  
Installation method **7B** fabric away from the window  
Combines perfectly with screen, door handle...



Design	Fixscreen® Ready 100 Slim
Head box dimensions (HxD)	150 mm x 110 mm
Head box extension	-
Square	✓
Softline	-
Retractable bottom bar	✓
Base plate side guiding channel	At an angle of 0° or 5°
Wind resistance	
Wind classification EN13561:2004	3
Wind tunnel test report	N°113-25809
Guaranteed wind resistance	Up to 130 km/h in closed position
Control	
Detecto Renson motor Safety First	✓
Somfy mechanic motor	✓
Somfy (Meastria*) IO radio-controlled motor	✓
Certificates	
Declaration of Performance (DoP)	DOP-2015SC00002
Durability test report	WTCB N°651 XE823 CAR4139

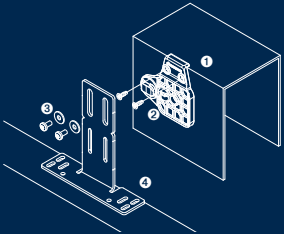
Dimensions			
Single screen			
Fibre glass fabric Sergé/Natté	Min. width	700 mm	
	Max. width	6000 mm	4000 mm
	Max. height	2800 mm	4000 mm
	Max. surface area	16.8 m²	16 m²
Soltis Veozip polyester fabric	Min. width	700 mm	
	Max. width	4500 mm	3000 mm
	Max. height	2800 mm	3500 mm
	Max. surface area	12.6 m²	10.5 m²
Tuffscreen insect mesh	Min. width	700 mm	
	Max. width	4500 mm	3000 mm
	Max. height	2800 mm	3500 mm
	Max. surface area	12.6 m²	10.5 m²
Privacy fibre glass fabric Polyester fabric Soltis Horizon 86 / Soltis Perform 92	Min. width	700 mm	
	Max. width	4500 mm	3000 mm
	Max. height	2800 mm	3500 mm
	Max. surface area	12.6 m²	10.5 m²
Blackout fibre glass fabric Satiné 21154	Min. width	1000 mm	
	Max. width	400 mm	
	Max. height	2800 mm	
	Max. surface area	11.2 m²	
Blackout polyester fabric Soltis Opaque B92	Min. width	1000 mm	
	Max. width	400 mm	
	Max. height	2800 mm	
	Max. surface area	11.2 m²	

- NOTE**
- \*For Somfy Maestria IO the following restrictions apply: width ≥ 1600 mm - height ≤ 2800 mm
  - Choice of screen control, cable feed and side control are determined when ordering the empty head box.
  - The warranty number for the empty head box provides all the information to order the fabric set: dimensions of the screens, installation method, motor and fabric selection.
  - The warranty number can be found on the sticker on the internal side of the head box's finishing profile, and/or via the QR code on the visible side.
  - Head box extension not possible
  - Plaster profile and fixation bracket optional

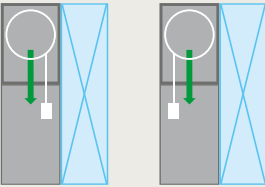


## Fixation bracket for rapid mounting

The fixation brackets offer a simple solution for rapid mounting to the window frame. The ingenious one-fits-all design of the fixation bracket ensures all screen types can be secured using the same accessory. More info on [www.renson.eu/fixation-brackets](http://www.renson.eu/fixation-brackets)

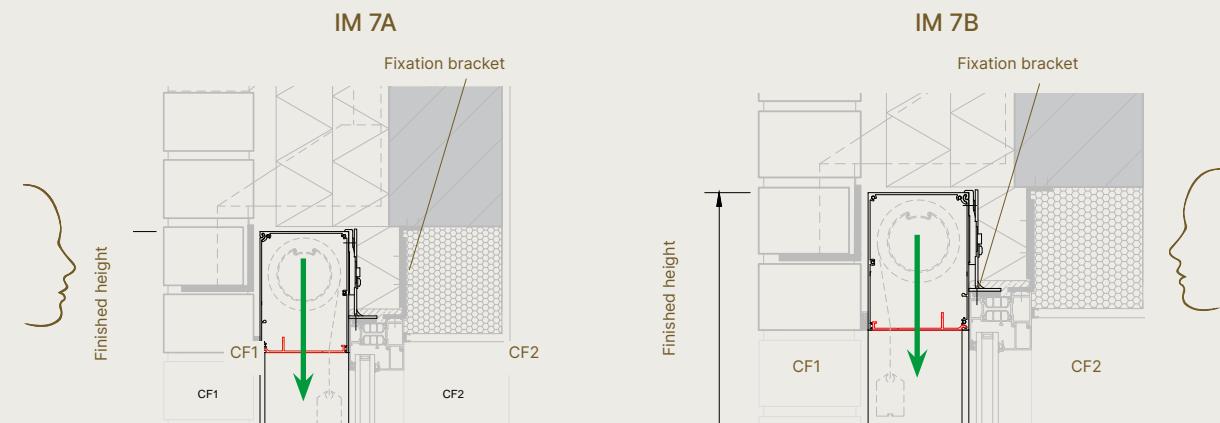


**TIP:** If a door handle, sliding door handle or fly screen could possibly prevent the free running of the fabric, choose installation method 7B. This ensures the fabric runs away from the window and free running is assured.

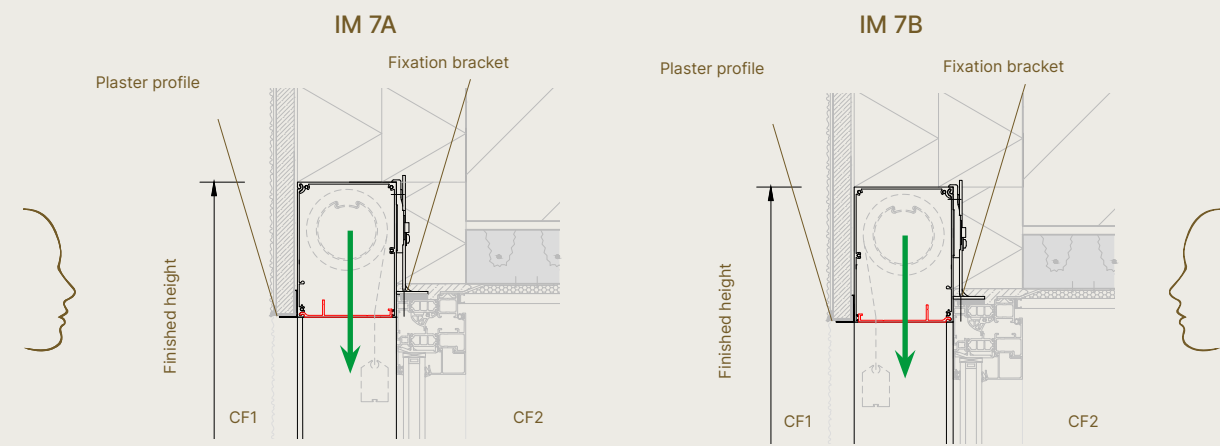




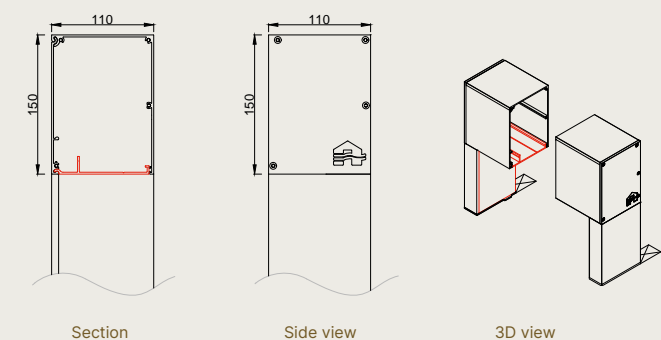
Fixscreen® Ready 100 Slim - Drawing recessed masonry



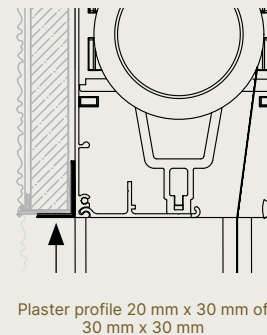
Fixscreen® Ready 100 Slim - Drawing recessed plaster



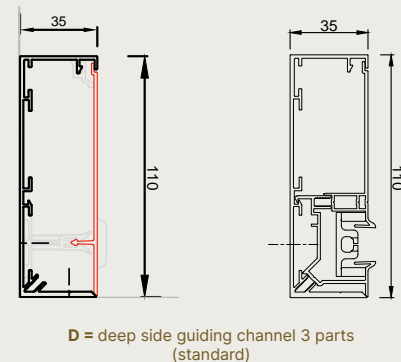
Head box



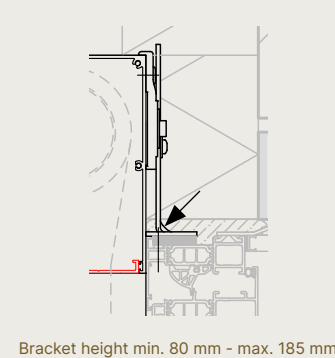
Plaster profile



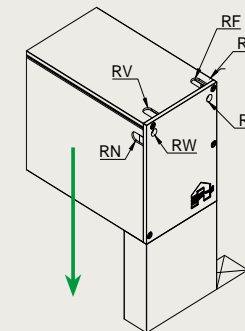
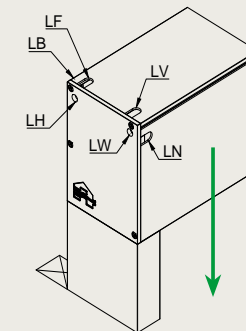
Side guiding channels



Fixation bracket

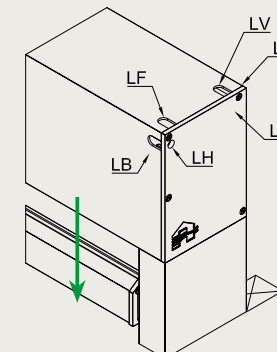
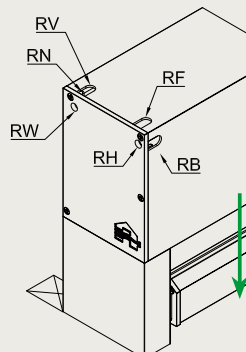


Cable feed - IM 7A



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

Cable feed - IM 7B

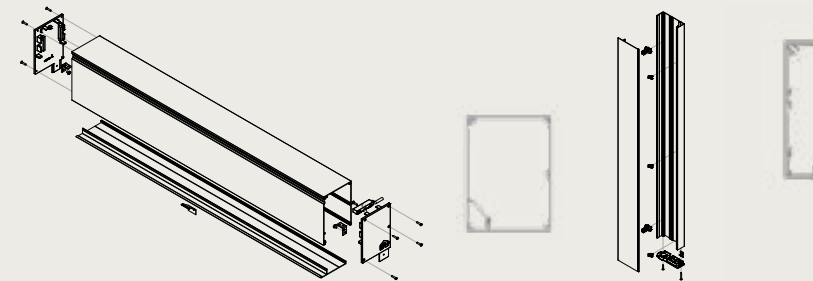


Feed	Feed location
B	rear
F	top
H	side
N	front
V	top
W	side

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

Empty head box

To give the product an aesthetic finish, Fixscreen Ready 100 Slim is supplied with a finishing profile for both the head box and the side guiding channel. The head box itself contains all components that are independent of the motor, as well as a Connect&Go electric cable connection (5 m) with a UV-resistant cable.



Fabric set

When ordering the fabric set, including motor, the inner rail, middle profile and side guiding channel removable profile are also supplied.

