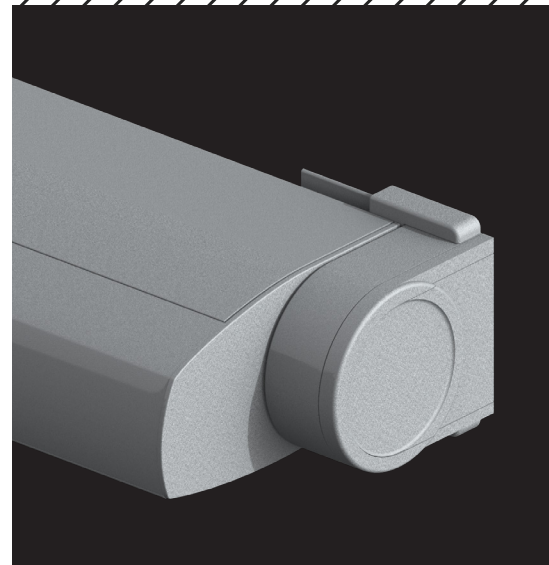
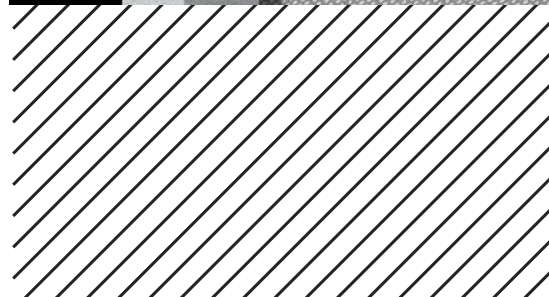
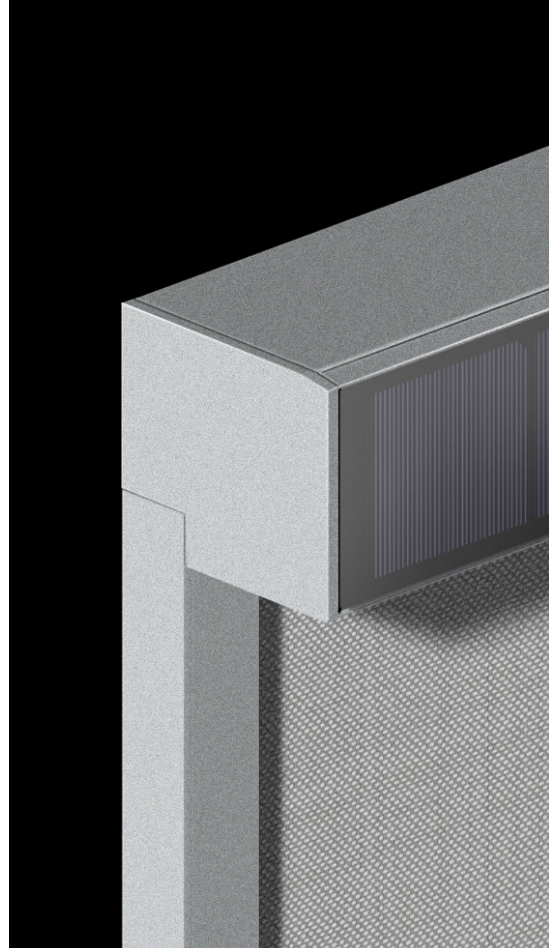


# solarbreaker

BIOCLIMATIC SOLAR PERGOLA  
ZIP SCREENS  
AWNINGS



Products awarded many times



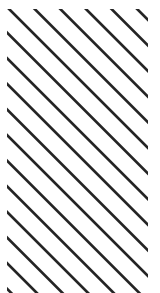
red dot  
winner 2020



# About us

We pay special attention to the appearance of our products. The solutions we provide are products that will serve for many years, so it is extremely important that their design is harmonious, timeless and suited to modern buildings.

We use our expertise in the production of micro photovoltaic panels to offer the world's first shutter solution equipped with a customized photovoltaic panel. The panel, unlike currently used solutions, covers the entire surface of the cassette, creating an aesthetic tailor-made solution. The number of photovoltaic cells is adjusted to the capacious battery integrated in the cassette. All components, such as the battery charge management system, radio communication system and batteries are positioned in a way that makes them invisible to the user, and at the same time allows for easy disassembly and replacement.





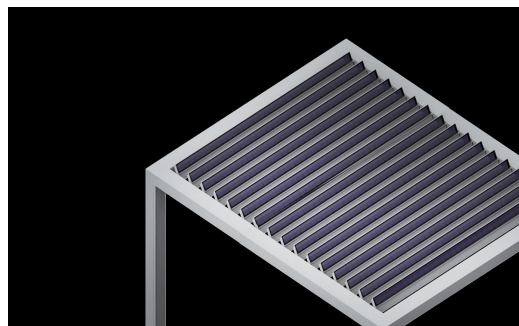


red**dot**  
winner 2020

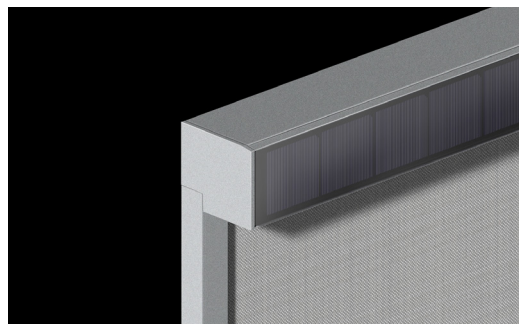


**Pergola Solar**

**6-27**

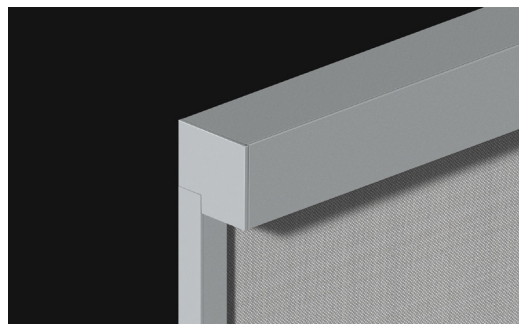


**Screen system overzicht 28-31**

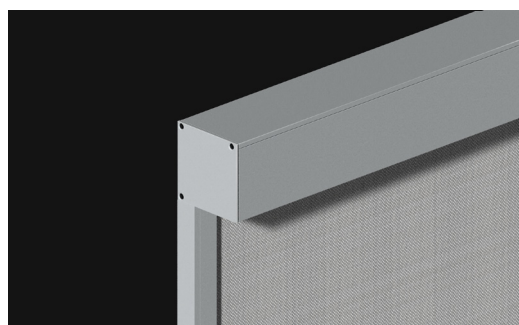


**Zip Pro**

**32-45**

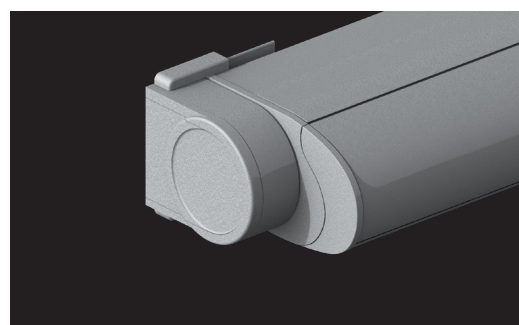


**Screen / Zip Standard 46-49**

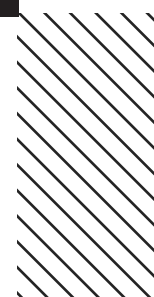


**Awnings**

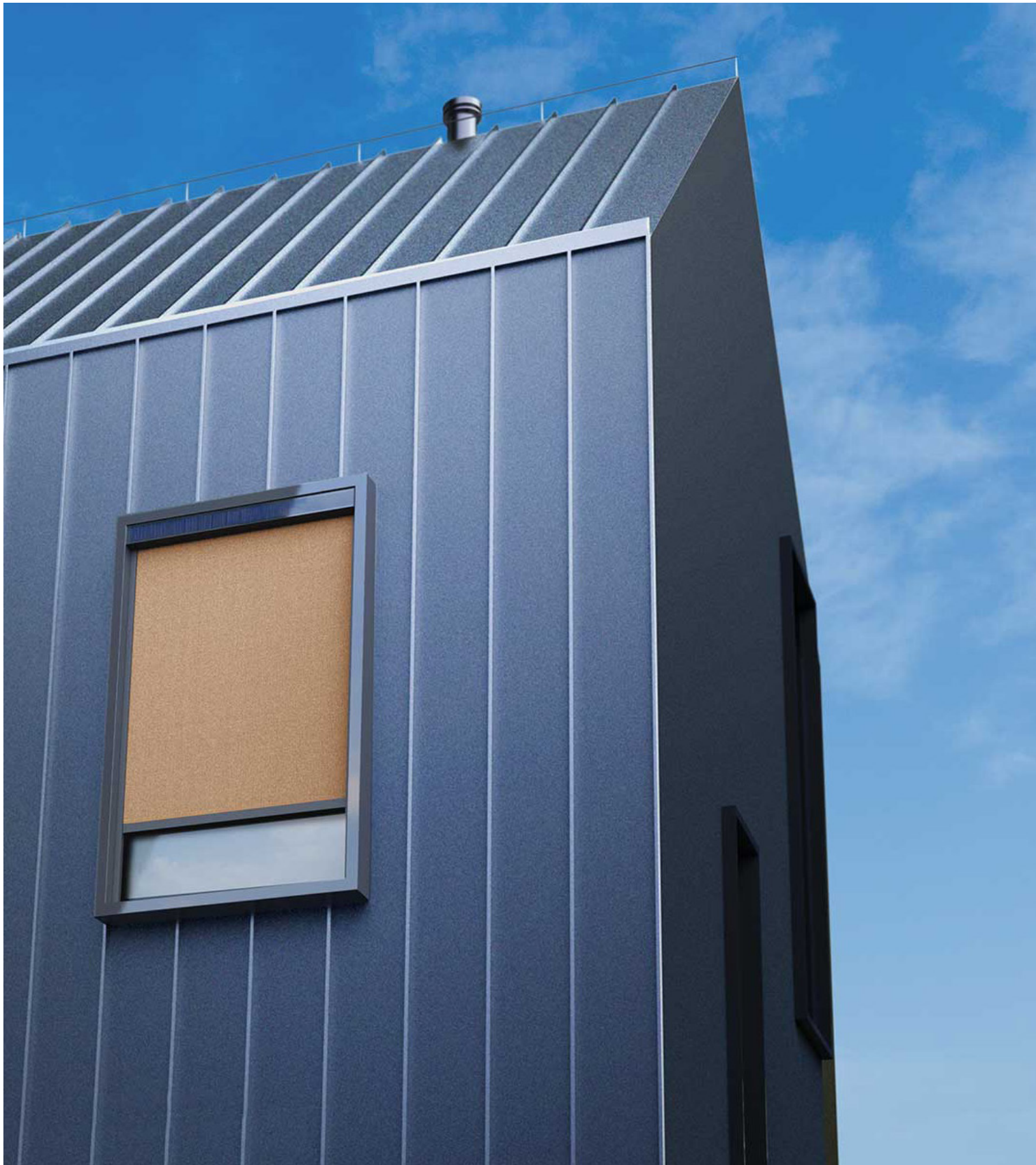
**56-71**



**Why Solar breaker? 72-79**







red**dot**  
winner 2020



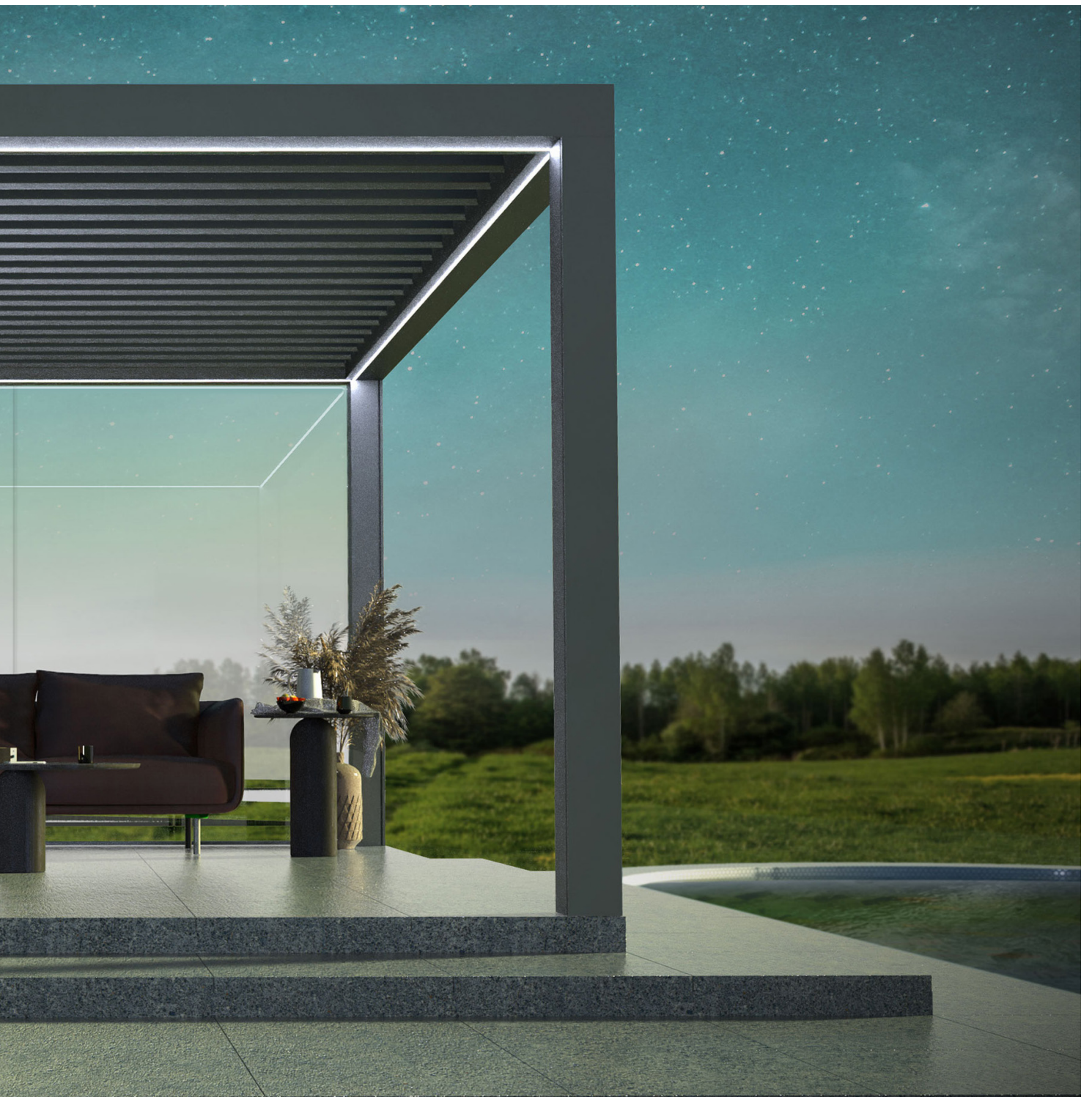




# Pergola Solar

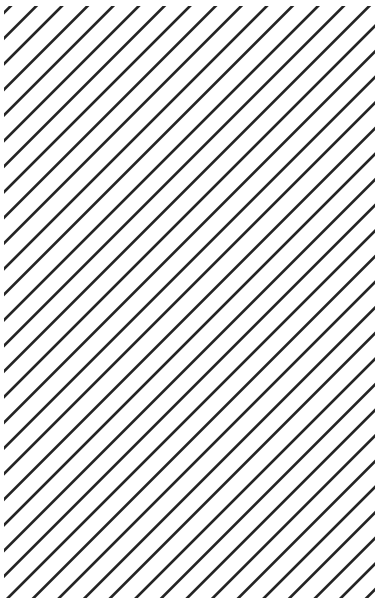
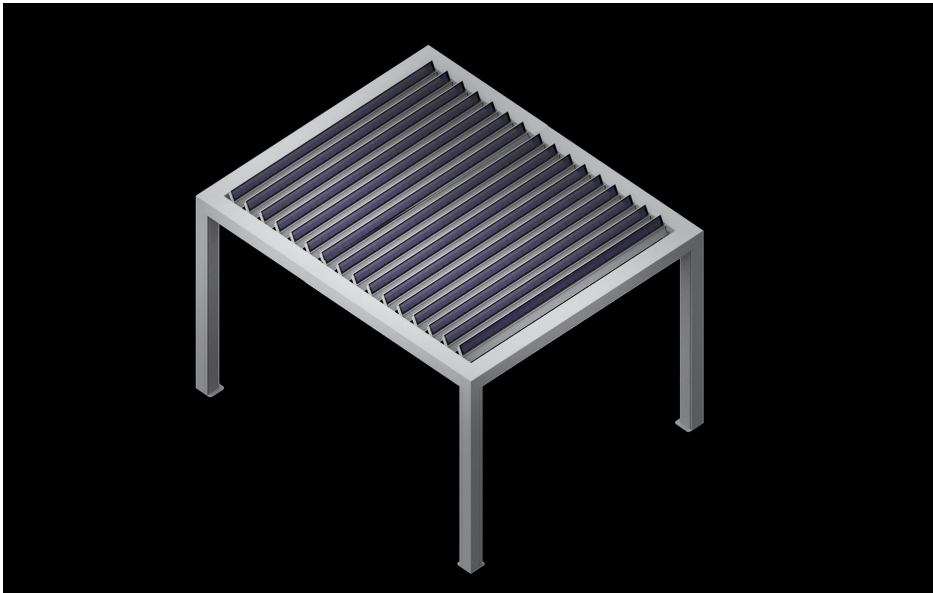






[www.solarbreaker.com/pergola-solar/](http://www.solarbreaker.com/pergola-solar/)

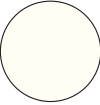


# Pergola Solar



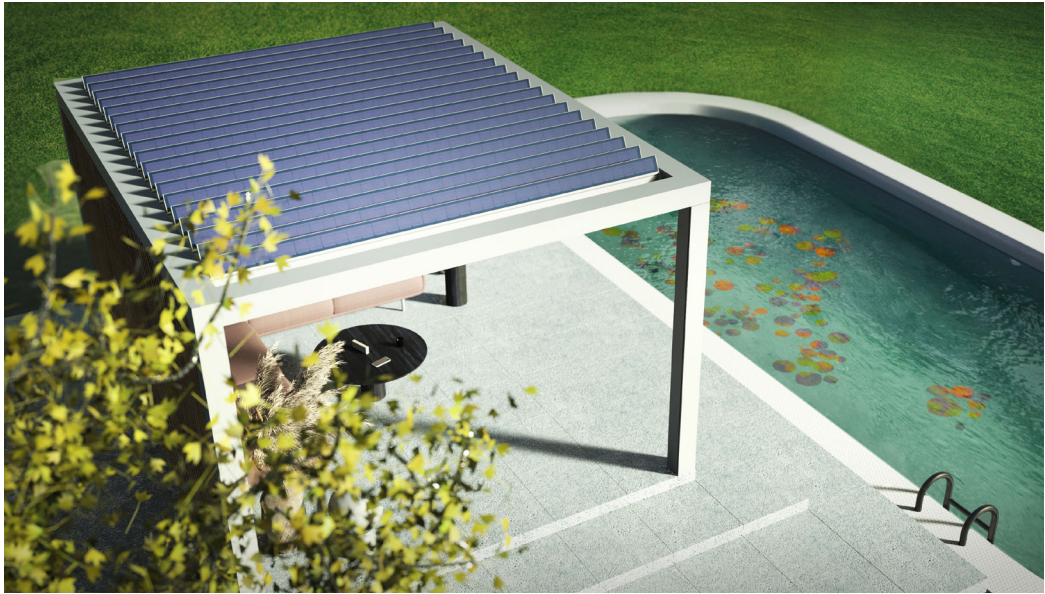
PERGOLA SOLAR is a solution that provides shade on sunny days, protects the user from rain, and at the same time generates energy. The generated energy is used to operate the pergola – powering the motors, ZIP shutters, integrated lighting, and other accessories such as heaters, USB ports, and speakers. Its modular design allows for mounting on 4 legs to the ground.

The rotating lamellas of the pergola roof can be used with or without photovoltaics. The ability to rotate them 135 degrees allows you to get a tight roof or let the sun under the pergola.

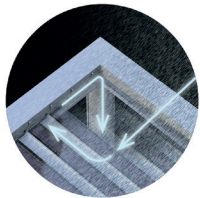
## Colors

	RAL 7016 Anthracite	included
	RAL 9016 White	included
	RAL 9006 Bright Aluminium	included
	RAL 9001 Cream	included
	Other RAL mat/structural/glossy	included

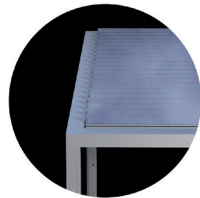




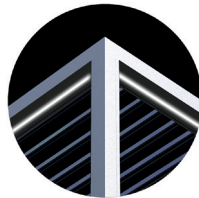
# Main features of Pergola Solar



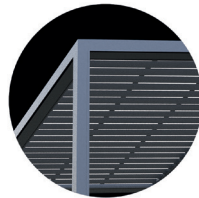
Drainage system



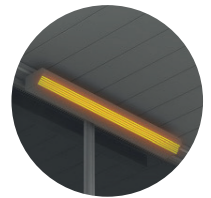
Integrated solar panels



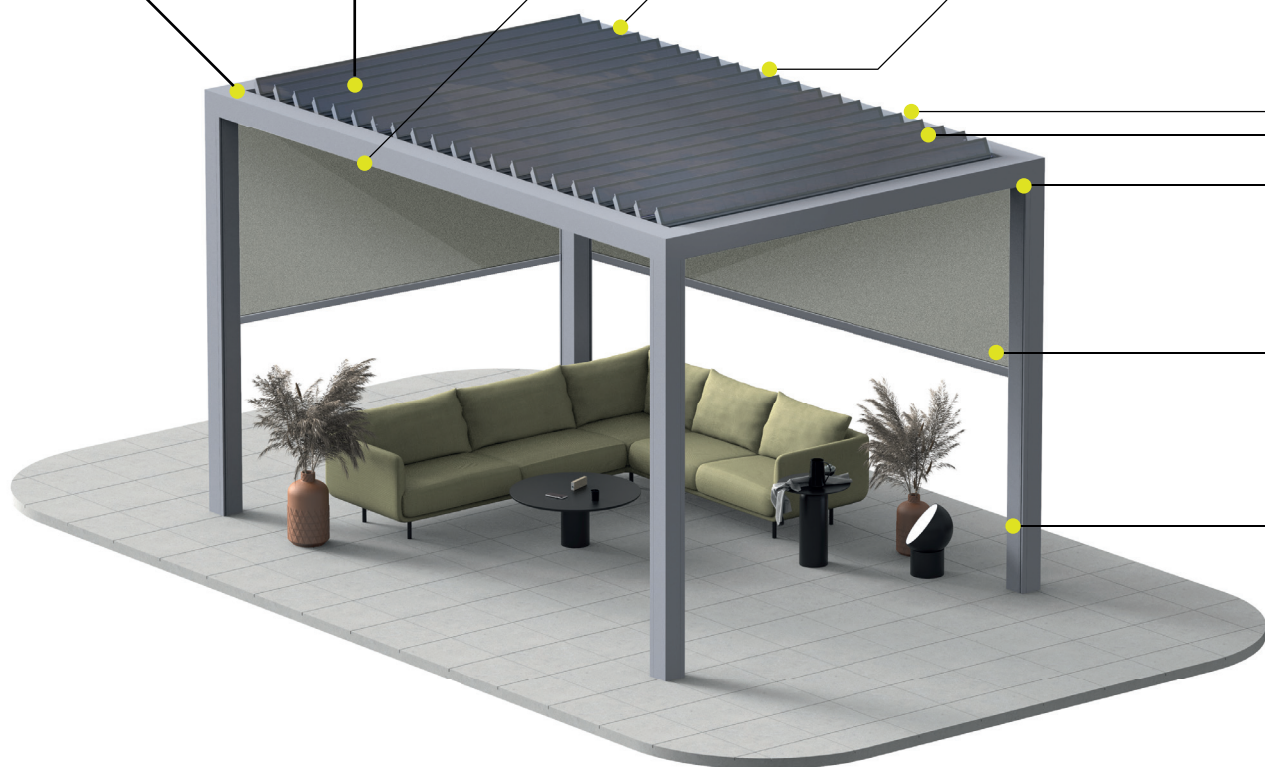
Integrated lighting



Mood lighting



Additional heaters

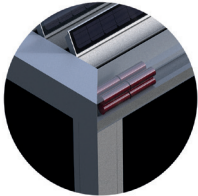




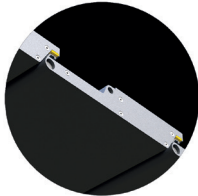
## Size and equipment tailored to your needs

MAX **6x4m** WITH ALUMINIUM LAMELLAS

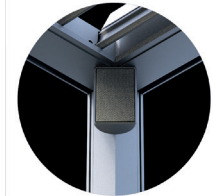
MAX **5x3,5m** WITH PHOTOVOLTAIC LAMELLAS



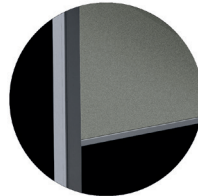
Integrated  
battery pack



Sealed  
lamellas



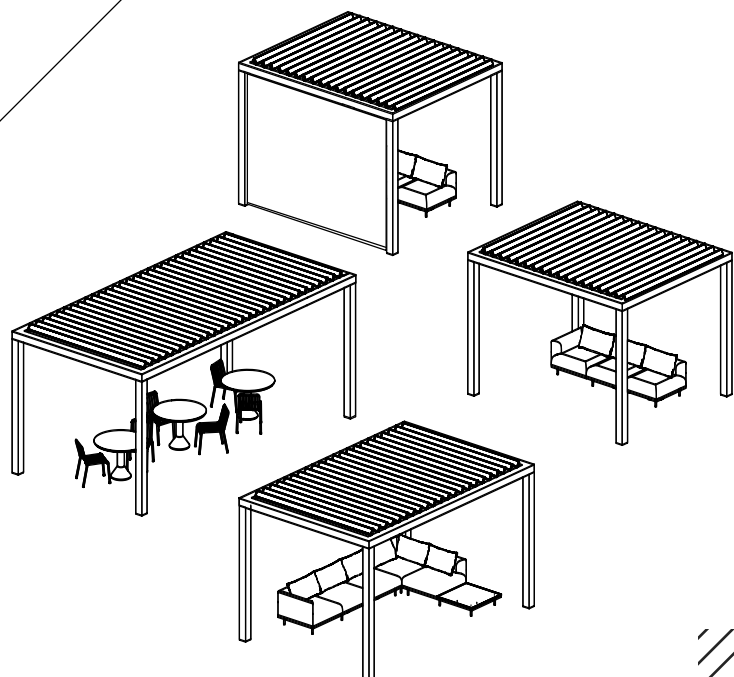
Additional  
speakers



Integrated  
Zip Screens



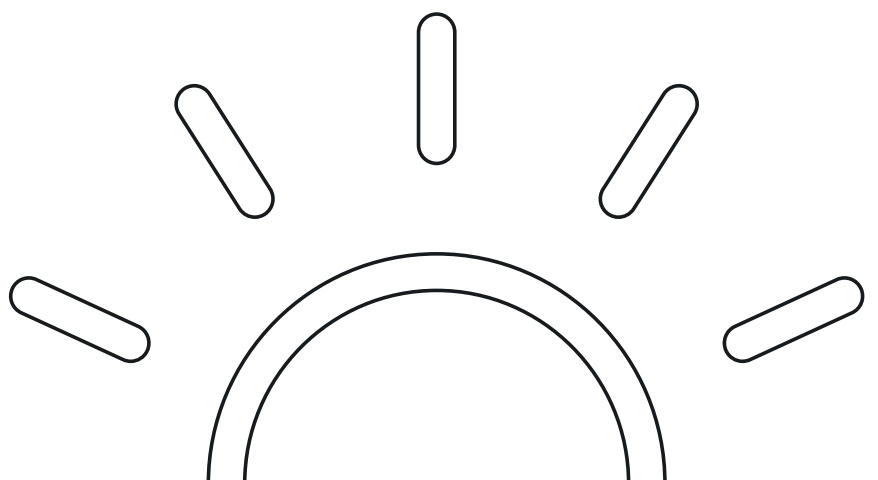
Integrated  
sockets / USB



# Pergola solar



**Your domestic  
solar power  
plant**







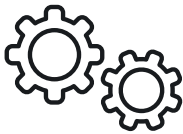
## Fully energy independent

- \* photovoltaic panels integrated in the side profiles
- \* possibility of integrating panels in rotary lamellas
- \* built-in rechargeable batteries ensure energy independence



## Thoughtful design

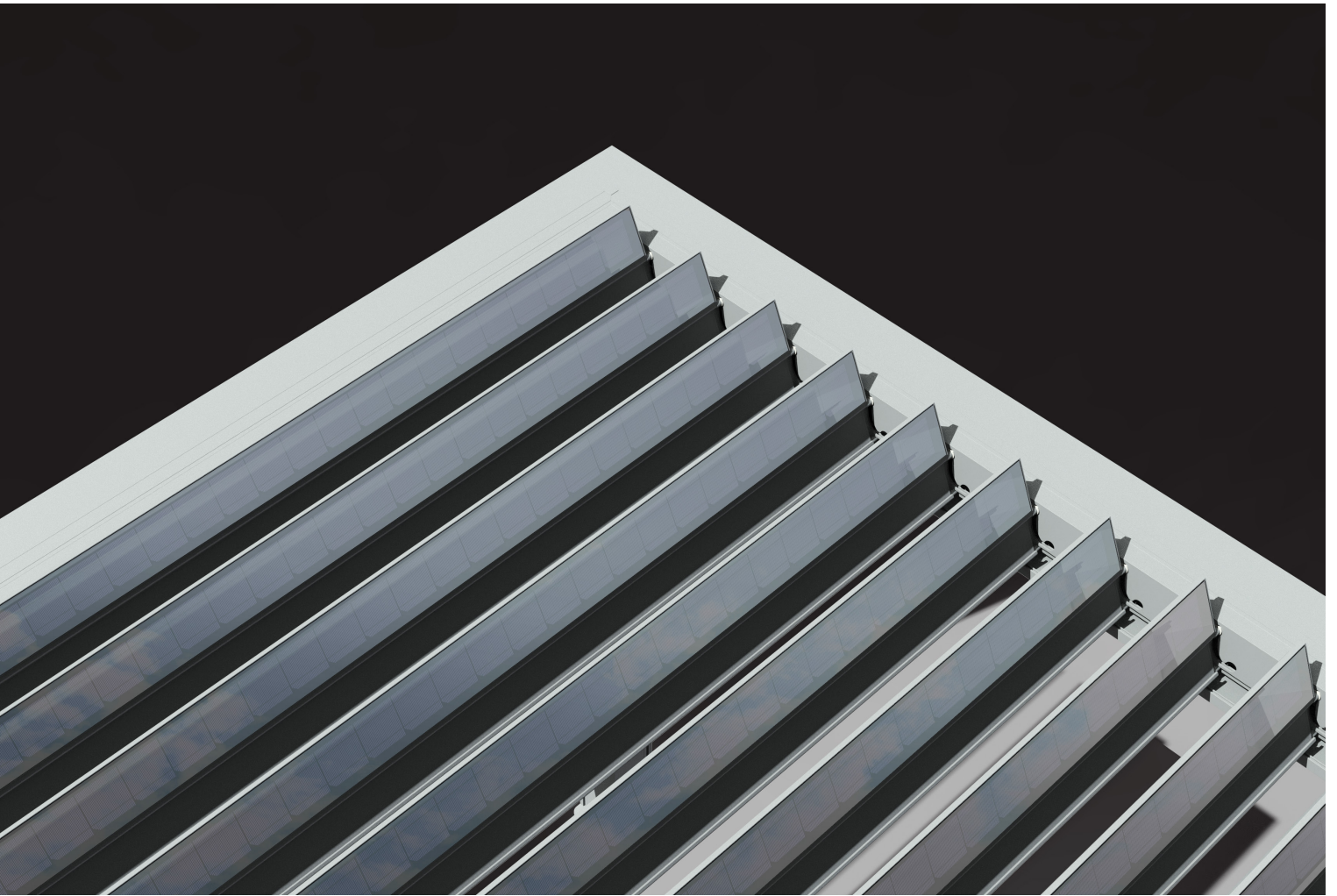
- \* zip screen guides hidden in the leg
- \* hidden fasteners
- \* high-quality finish



## Wide configuration options

- \* Several roof & side cover versions
- \* Multiple accessories to be integrated
- \* Multiple color versions





# Integrated photovoltaics

As standard, each pergola is equipped with highly efficient photovoltaic micropanels of our production. They provide the necessary energy to propel the roof, side shutters, lighting and other accessories.



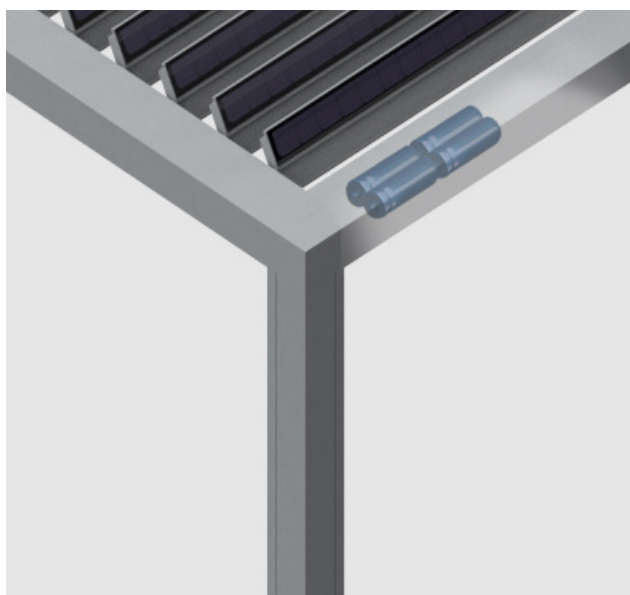


## Photovoltaic panels integrated in lamellas

The integration of photovoltaic panels in the lamellas gives the user a large area to generate electricity. The pergola roof is able to generate 80W of energy from 1 sqm of surface, thanks to which it provides enough electricity to power the pergola, motors responsible for the movement of slats, zips screens, lighting, and other accessories with which the pergola is equipped, such as USB sockets or speakers.

In the future, the surplus of electricity generated by the pergola can be fed into the power grid, thanks to which it will be able to function as a home solar power plant.

## Integrated battery pack



Each pergola is equipped with a set of batteries that ensure trouble-free operation of the roof, side screens and peripheral elements such as lighting or USB connectors. Thanks to the use of modular batteries, we can adjust their quantity to the energy demand of a given pergola.



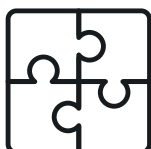
### Configure the number of solar lamellas depending on your energy needs

- \* full roof - ability of sending surplus energy to the grid
- \* using part of the roof lamellas as photovoltaics - ensuring the operation of the pergola and its accessories
- \* version without a photovoltaic roof, with standard aluminum lamellas



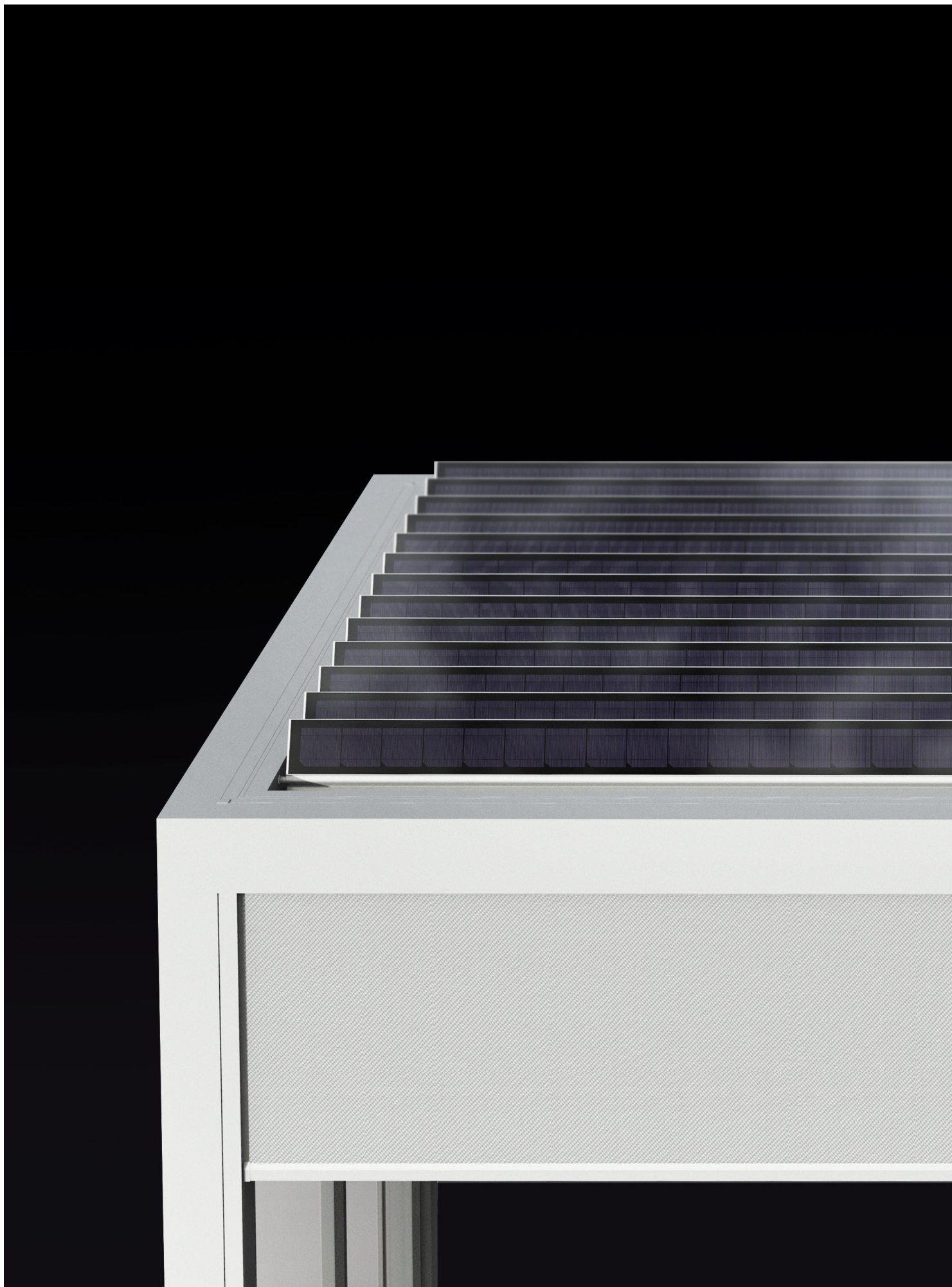
### Integrated battery packs

- \* battery packs integrated in legs and side gutters
- \* different battery capacity depending on the number of accessories

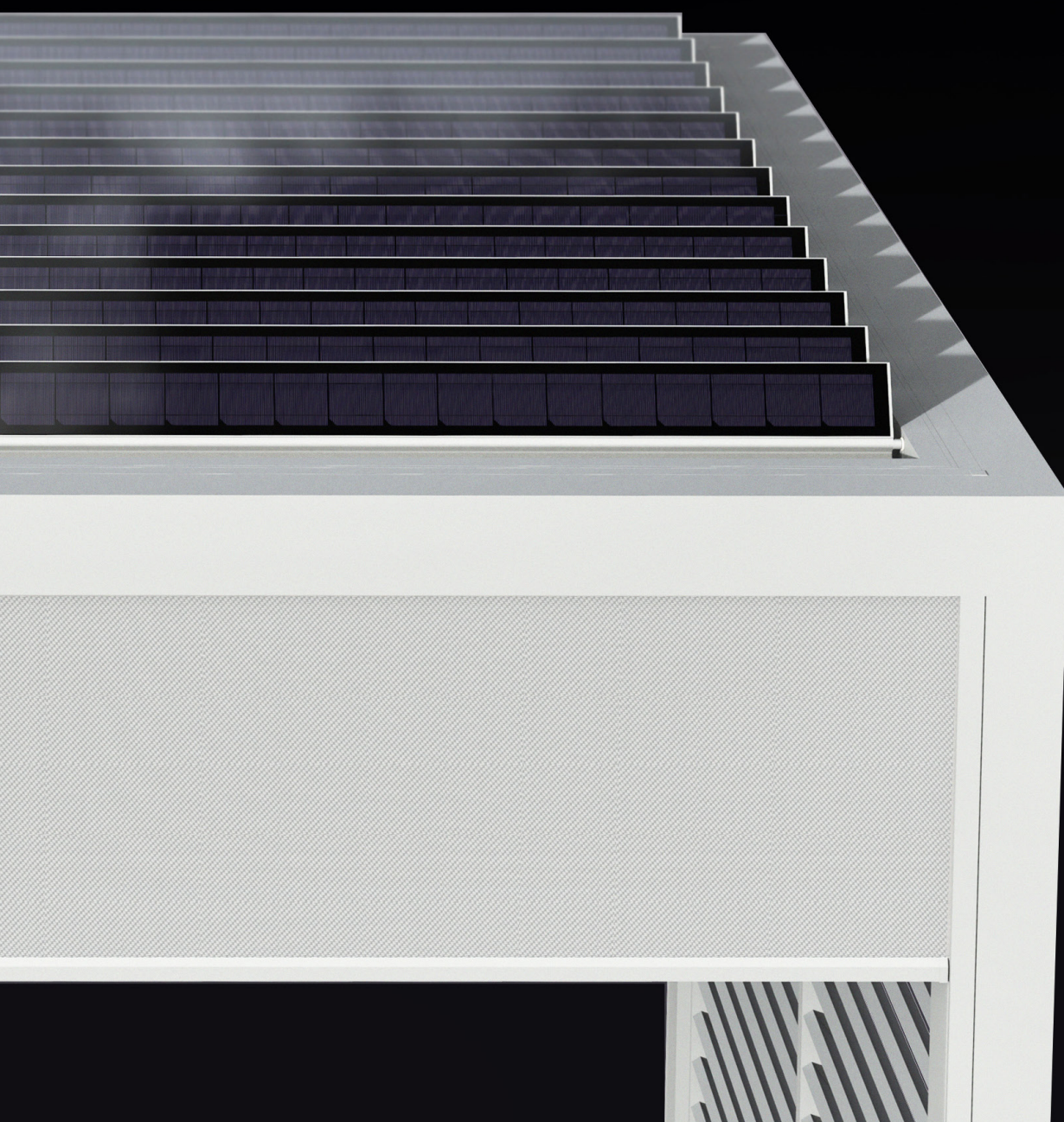


### Thoughtful design

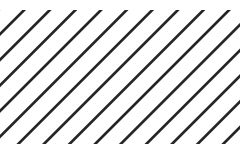
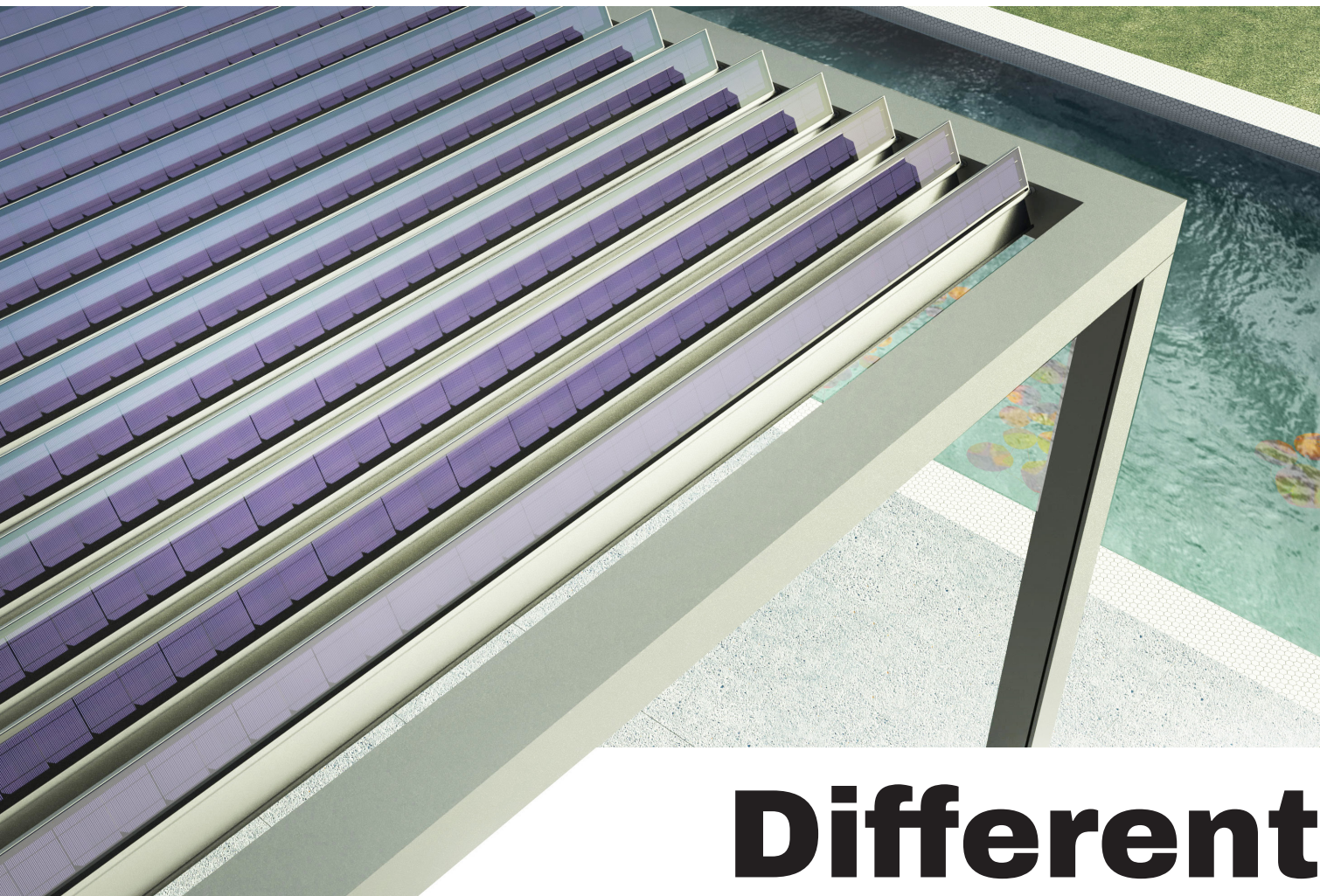
- \* panels integrated in the upper profiles positively affect the aesthetics of the pergola
- \* custom-made solar panels fit perfectly into the shape of the lamellas



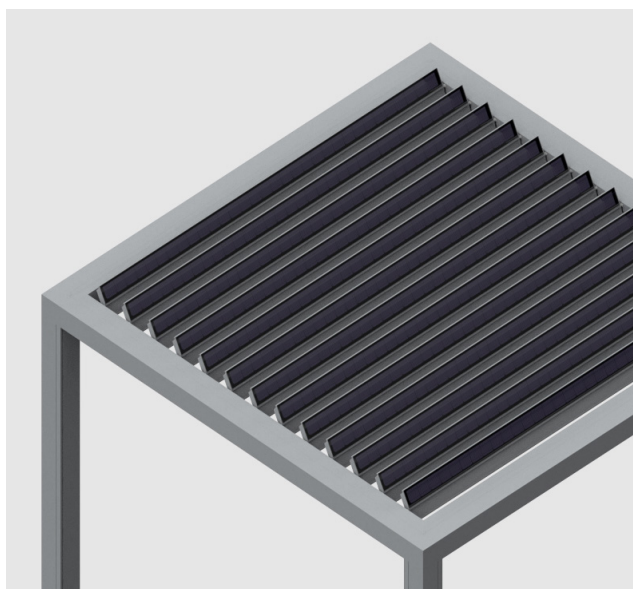






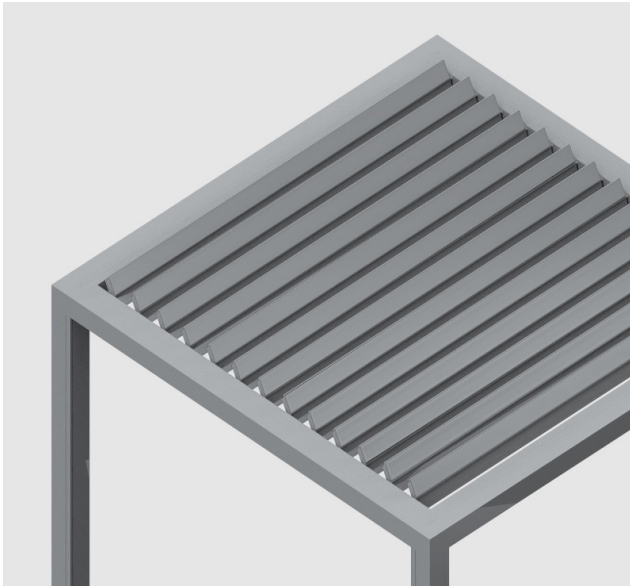


# Different types of roofing



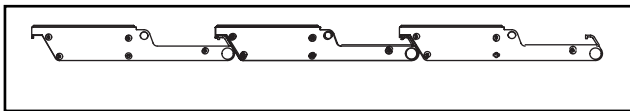
## Lamella roof with photovoltaics

The lamella roof allows for versatility in creating space under the pergola. The slats rotate in a wide range - the angle of their rotation is 135 degrees. Thanks to this, we can obtain a tight sheathing that protects against sun, wind and rain. The gentle opening of the roof offers airflow and ventilation while providing shade. Turning to the maximum angle allows the sun to enter the pergola.

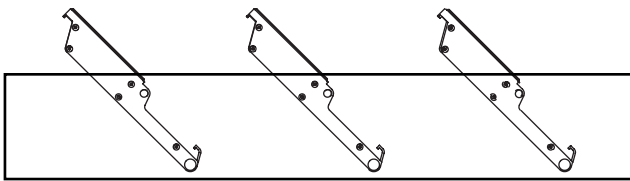


## Standard lamella roof

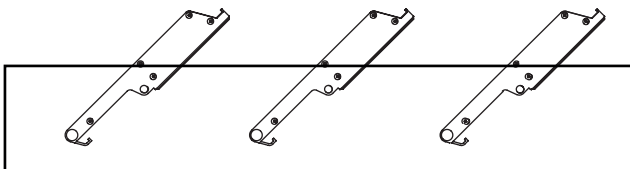
It is also possible to order a roof without photovoltaic panels, while maintaining all the amenities associated with rotating lamellas - thermal insulation, tight roof, the Wability to adjust the amount of light falling under the pergola. A pergola without integrated photovoltaic requires connection to an external power source.



When the roof is completely closed, it is fully airtight.



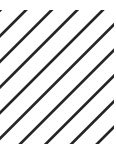
Opening the roof by several degrees provides ventilation.



Fully opening the roof 135 degrees allows the sun to enter

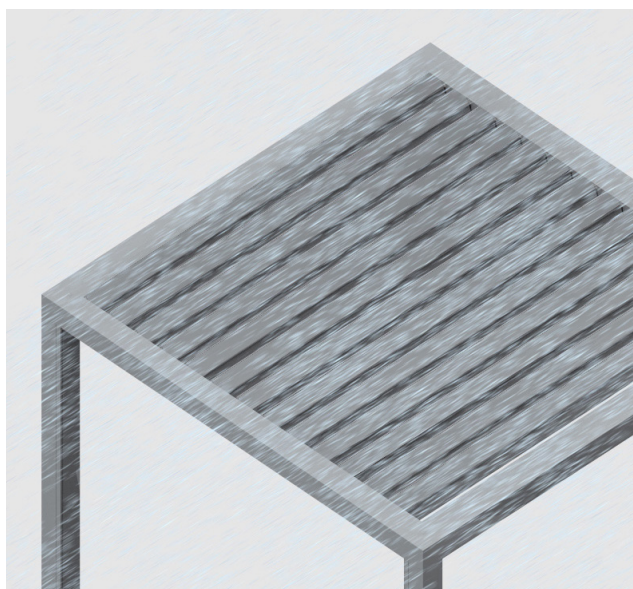






# Overall protection

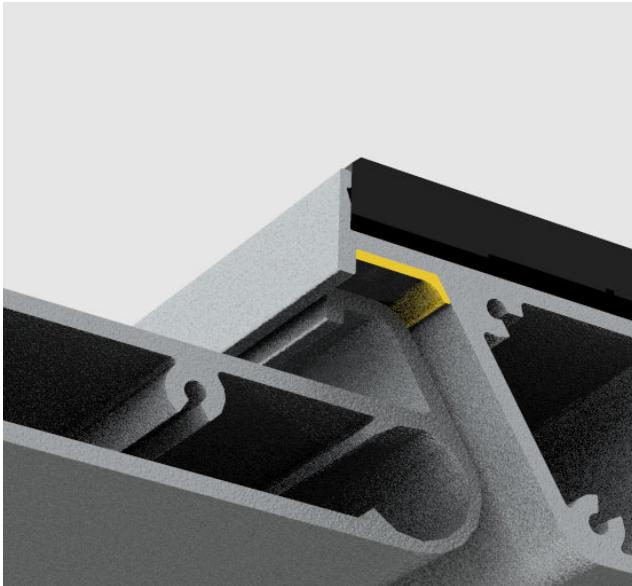
## Rain protection



### Rain protection

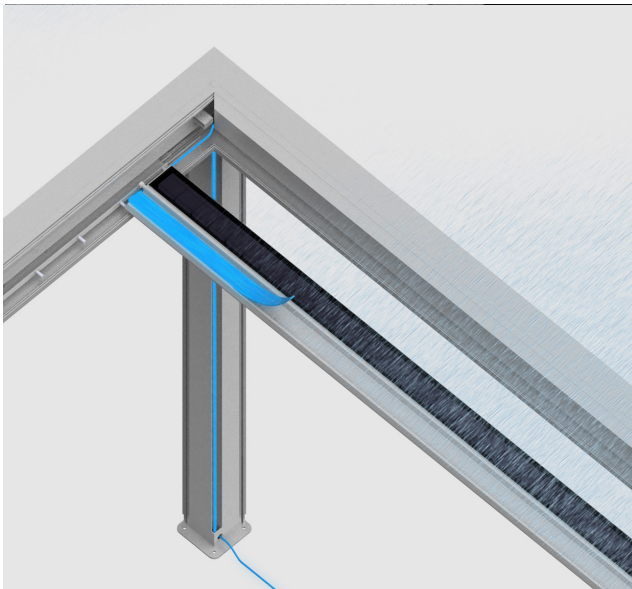
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### Sealed lamellas

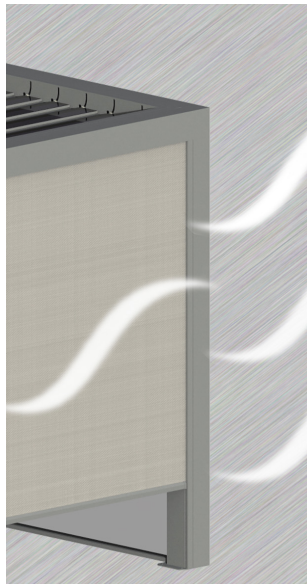
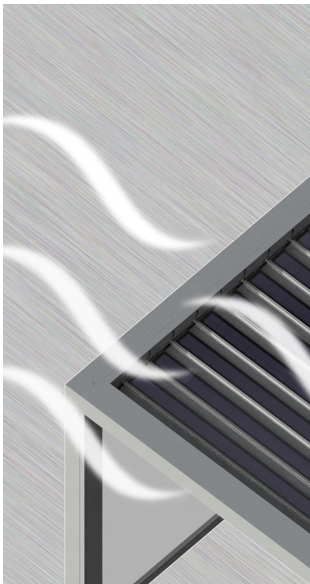
The use of seals between the lamella profiles and at the point of contact between lamellas and the side gutter ensures a tight roof structure when it is closed. Thanks to this, water does not get into the pergola even in heavy rain. The additional use of zip screen side curtains makes the inside of the pergola dry and you can freely spend time under it without worrying about the weather conditions outside.



### Drainage system

The special structure of the lamellas and the gutter ensures continuous water drainage, even in heavy rain. The deep space for water in the lamellas drains it to one of the gutters - from there the water is led to the ground through the legs of the pergola. It is up to you what you do with it - you can collect it for use in the garden or discharge it directly into the ground.

## Wind protection

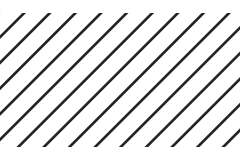
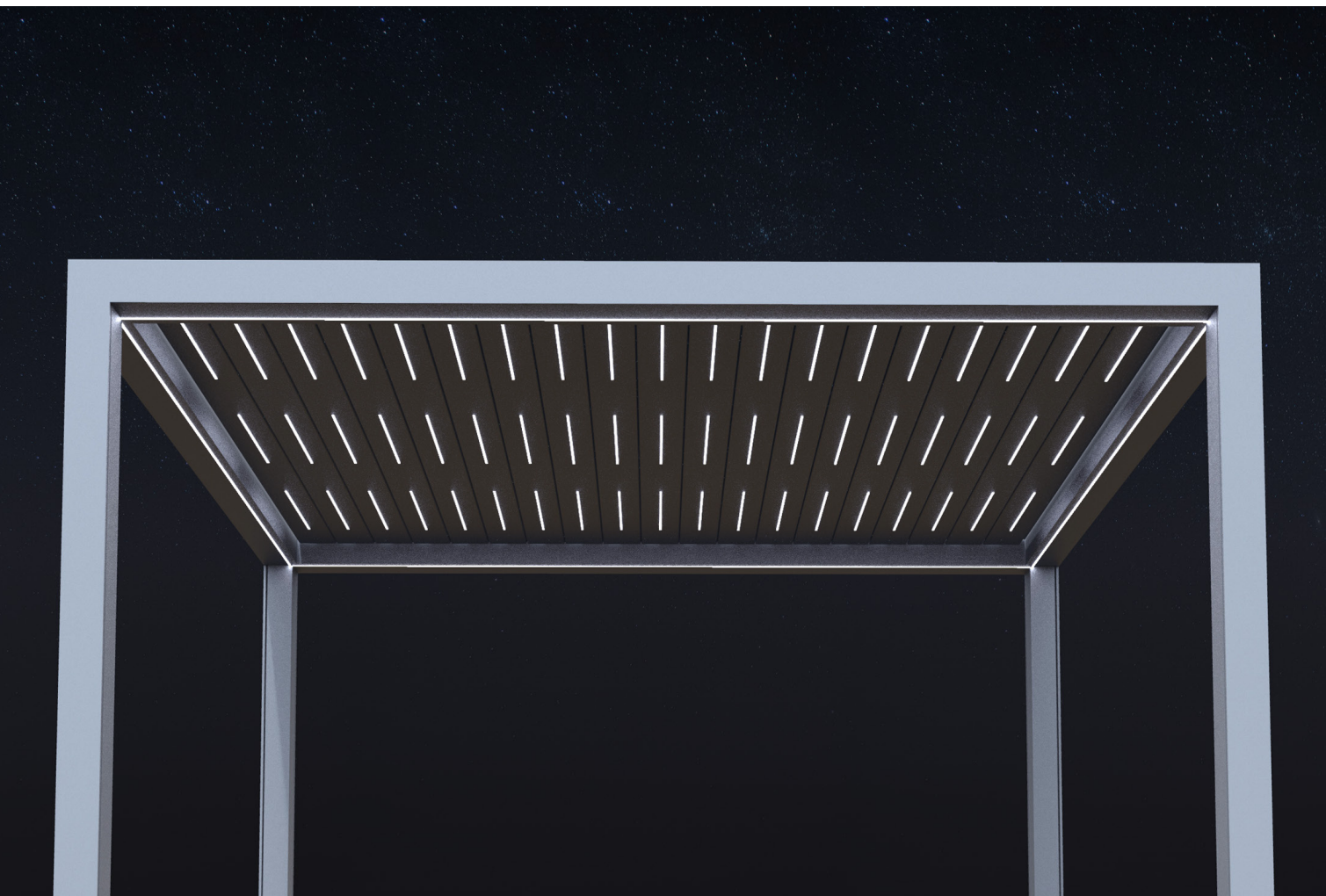


### Lamellas / walls wind resistance

The solid structure of the lamellas provides protection against the wind, stopping intense gusts - the use of gaskets additionally prevents any wind from getting inside.

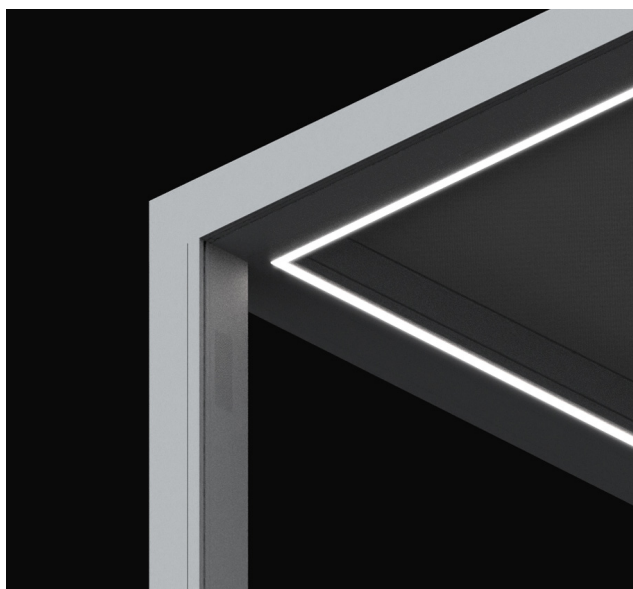
### ZIP screens wind and insects protection

The zip construction provides great protection against the wind from the side - the zipper system keeps the fabric taut, so that it does not deform when blown. Additionally, the fabric hidden in the side guide prevents insects from getting inside the pergola.



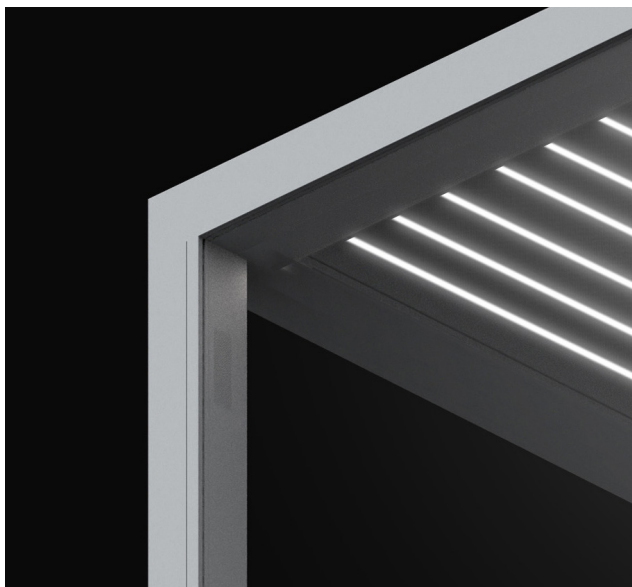
# Lighting / Extras

## Lighting options



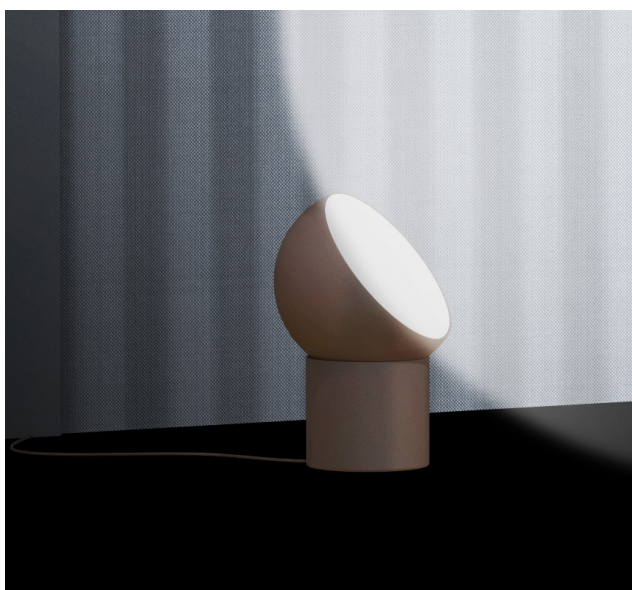
### Mood lighting in the side gutters

Integrated LED lighting in the upper profiles allows you to use the pergola even after dark. The use of photovoltaic panels to power it makes it unnecessary to connect the pergola to external power sources. LED diodes allow you to create the perfect atmosphere, perfect for an evening barbecue or meeting with friends. In addition, the use of RGB diodes allows you to change the color of the light.



### Optional LED stripes on the lamellas

If the illumination in the side profiles is not enough for you, we also offer the possibility of using led stripes in the slats constituting the roof structure. Thanks to them, even after dark, under pergola will be as bright as during the day. In addition, at the pergola configuration stage, you can choose how many slats are to be equipped with additional led stripes - thanks to this you will have exactly as much light as you need.



### Own lighting plugged into the socket

By using a socket and a USB connection, you can power various types of lighting and charge mobile devices.

## Extras

To make the time spent outdoors as pleasant as possible, you can equip the pergola with additional accessories, such as USB sockets, speakers or heaters.

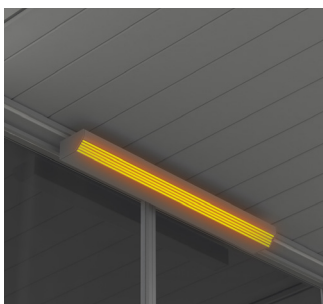
**Power socket**



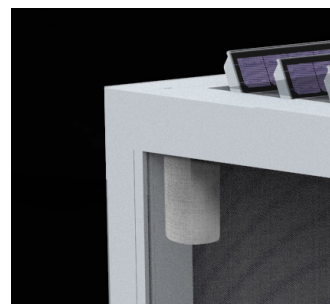
**USB socket**



**Heaters**



**Speakers**





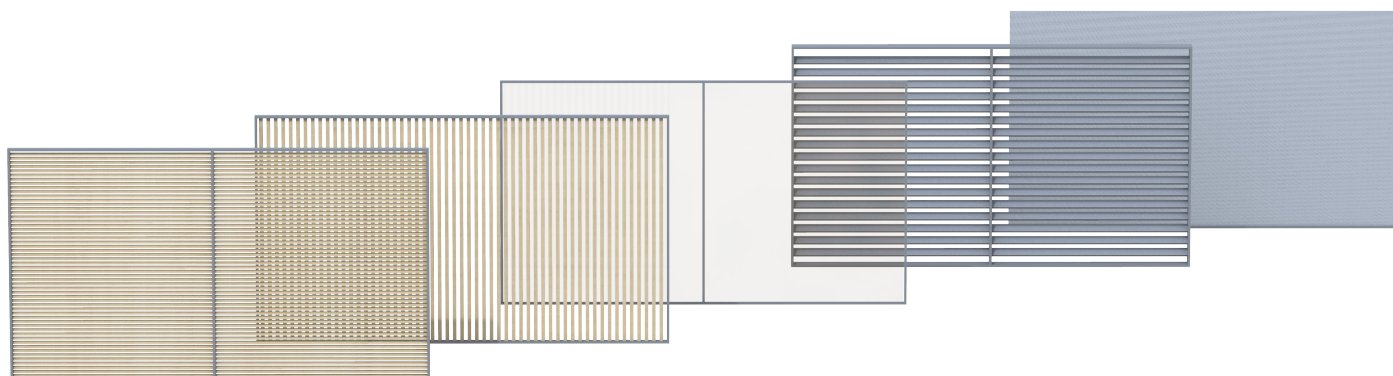
# Wide configuration options

## Modular walls design

wooden slats

glass

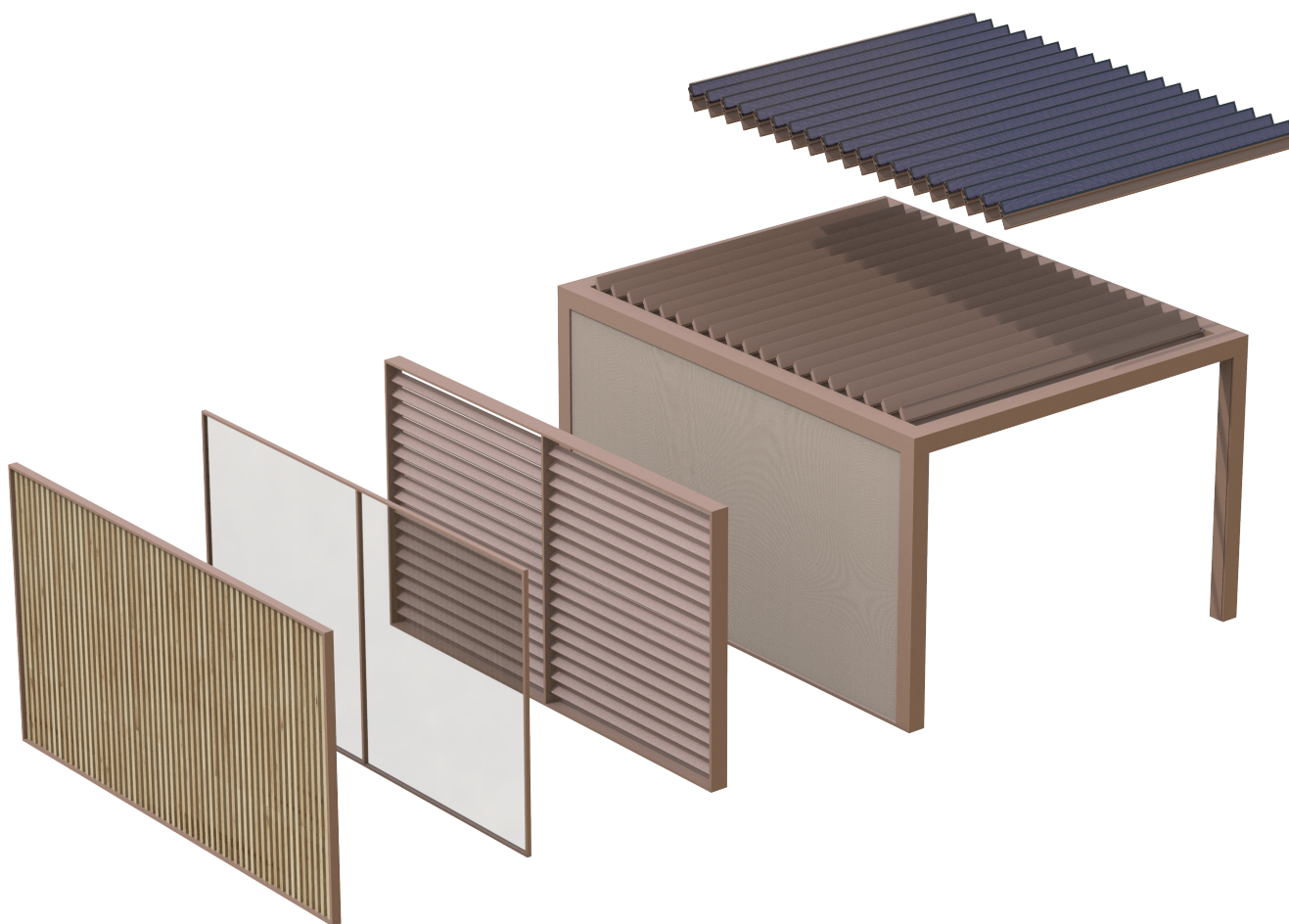
screen



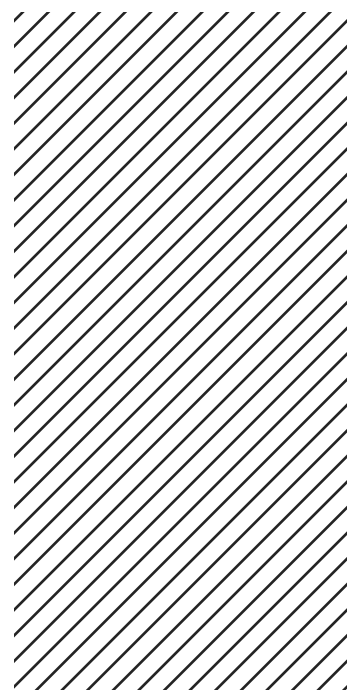
## Glass side folding panels



The use of sliding glass doors gives you the ability to maintain the temperature inside the pergola and at the same time observe your garden. The panels made of tempered safety glass are characterized by a gentle and silent movement. The door guides are integrated in the upper profile and painted in the same color as the pergola, which makes them an aesthetic whole. The proximity of individual panes to each other makes it possible to create glazing across the entire width of the pergola.



Depending on your needs, the Solar Breaker pergola system offers a wide range of side shutters - from zip-screen shutters, through lamella photovoltaic shutters, to the installation of sliding glass panels.



# PERGOLA STANDARD

PERGOLA - main construction

outreach

width

	2400	2600	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400
2500																	
3000																	
3500																	
4000																	
4500																	
5000																	

ZIP SCREEN - on the walls

outreach

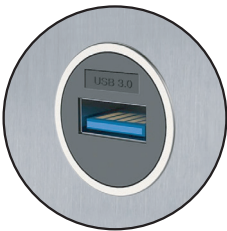
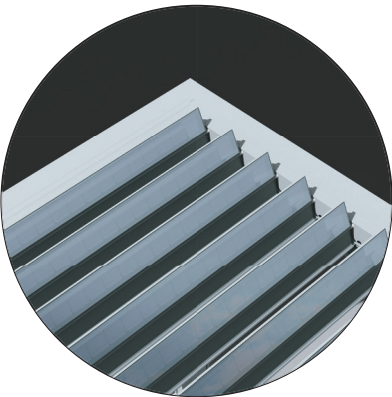
	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

LED IN SLATS - for more than 24m LED additional receiver is necessary

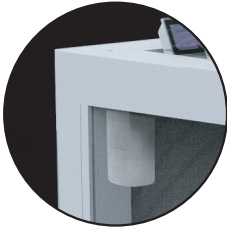
	2500	3000	3500	4000	4500	5000
Number of	3					
slats with	4					
LED	5					
	6					
	7					



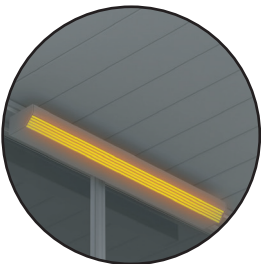
## Lamellas with integrated photovoltaics



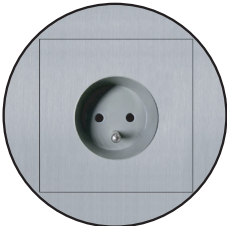
Usb Socket A+C



4 Bluetooth



Heater IR



Socket 230V  
Low voltage socket



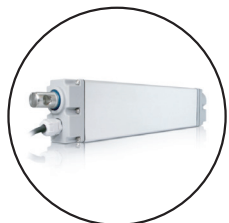
5600 5800 6000 6200 6400 6600 6800 7000

5800 6000

## Price includes:



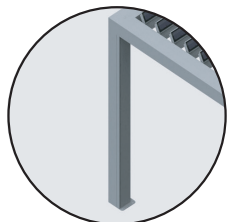
LED in main profiles



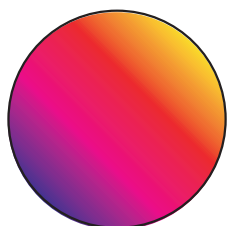
Somfy pergola tilt 24v motor x2



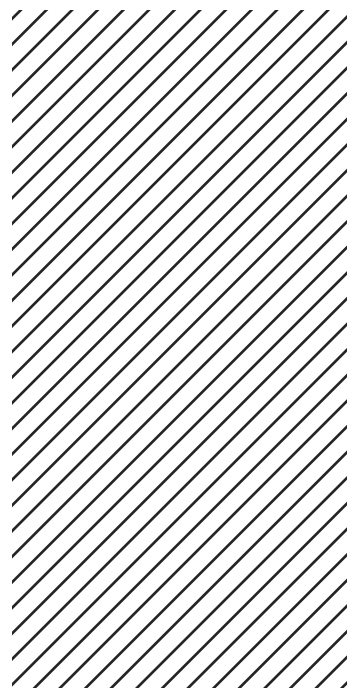
Remote controller 5 channel Somfy Situo 5 io

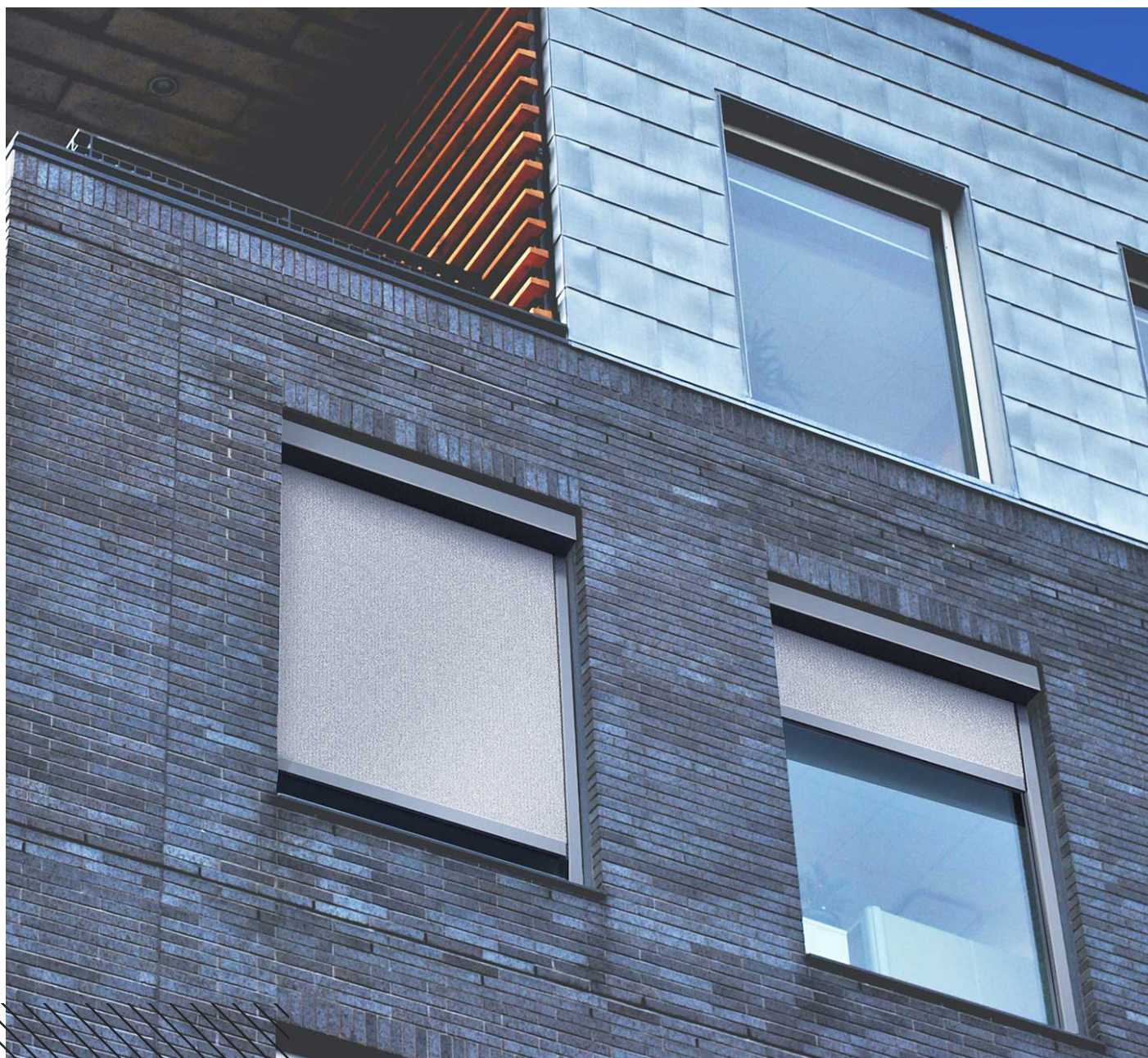


4 Legs



Any RAL  
standard color mat/structural/glossy





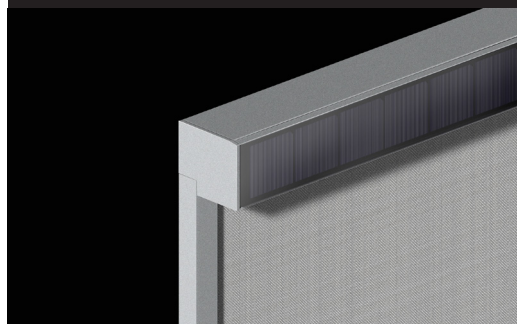
# **Screens / Zip screens**



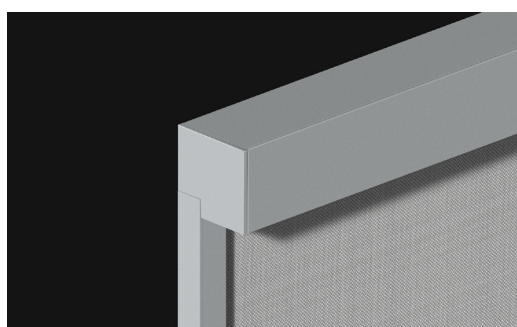


ZIP Pro Solar

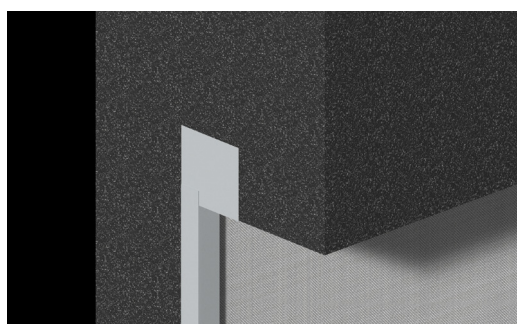
**REVOLUTION  
ON THE MARKET!**



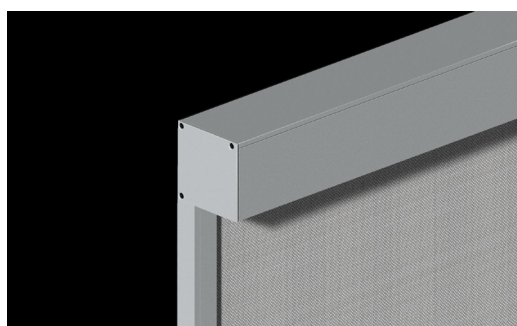
ZIP Pro Alu



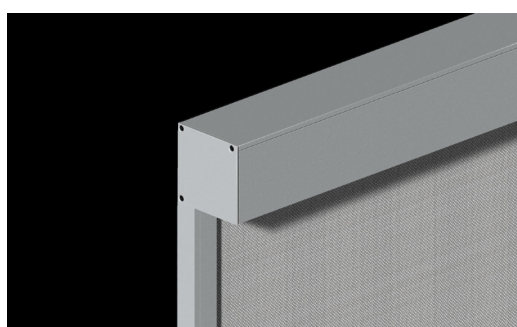
ZIP Pro Inbouw







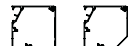

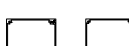
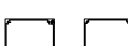
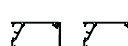




































ZIP Standard



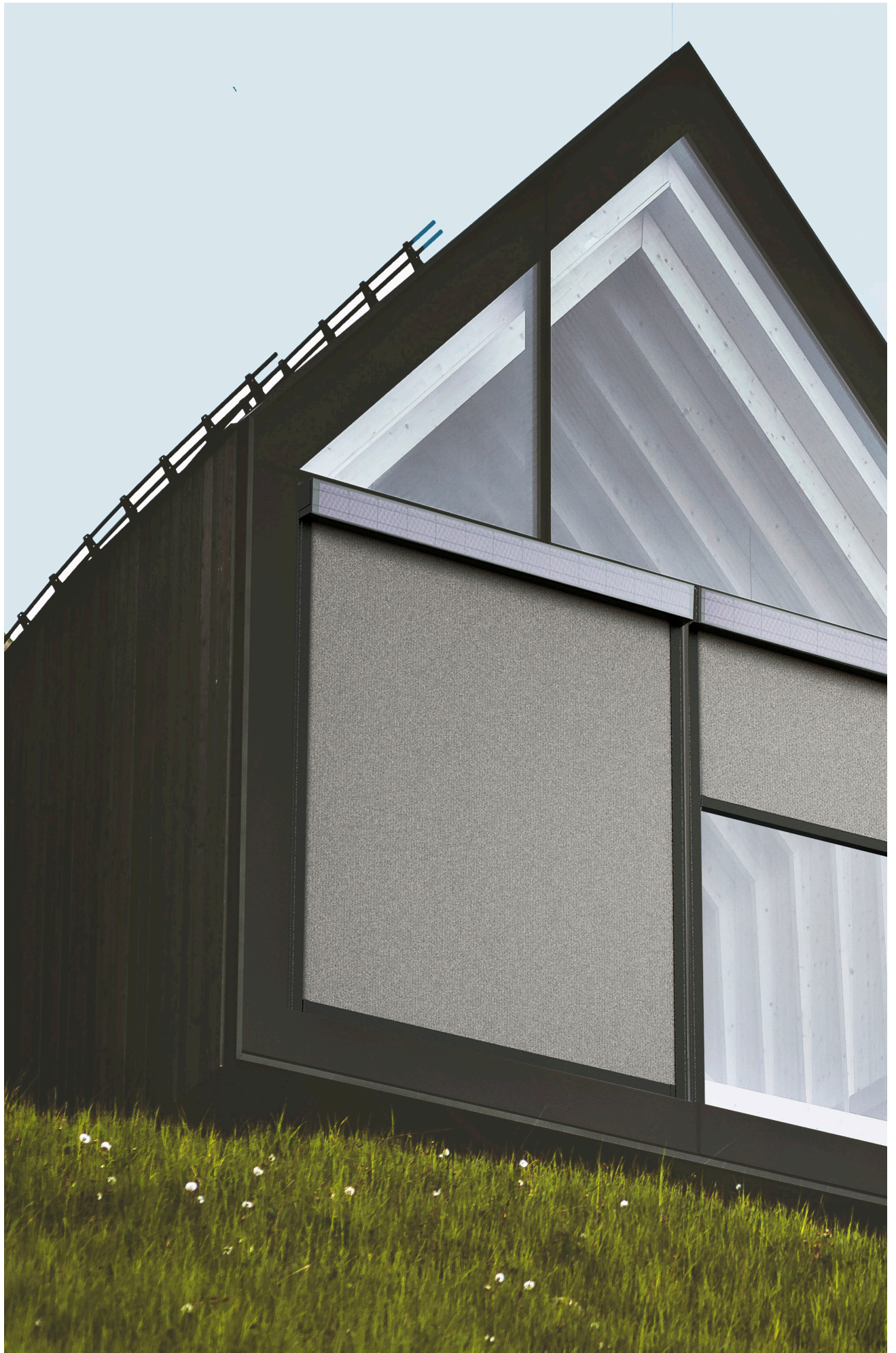
Screen Standard



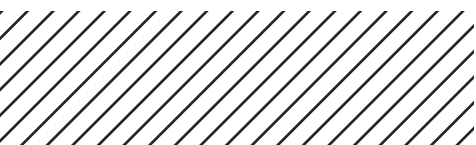
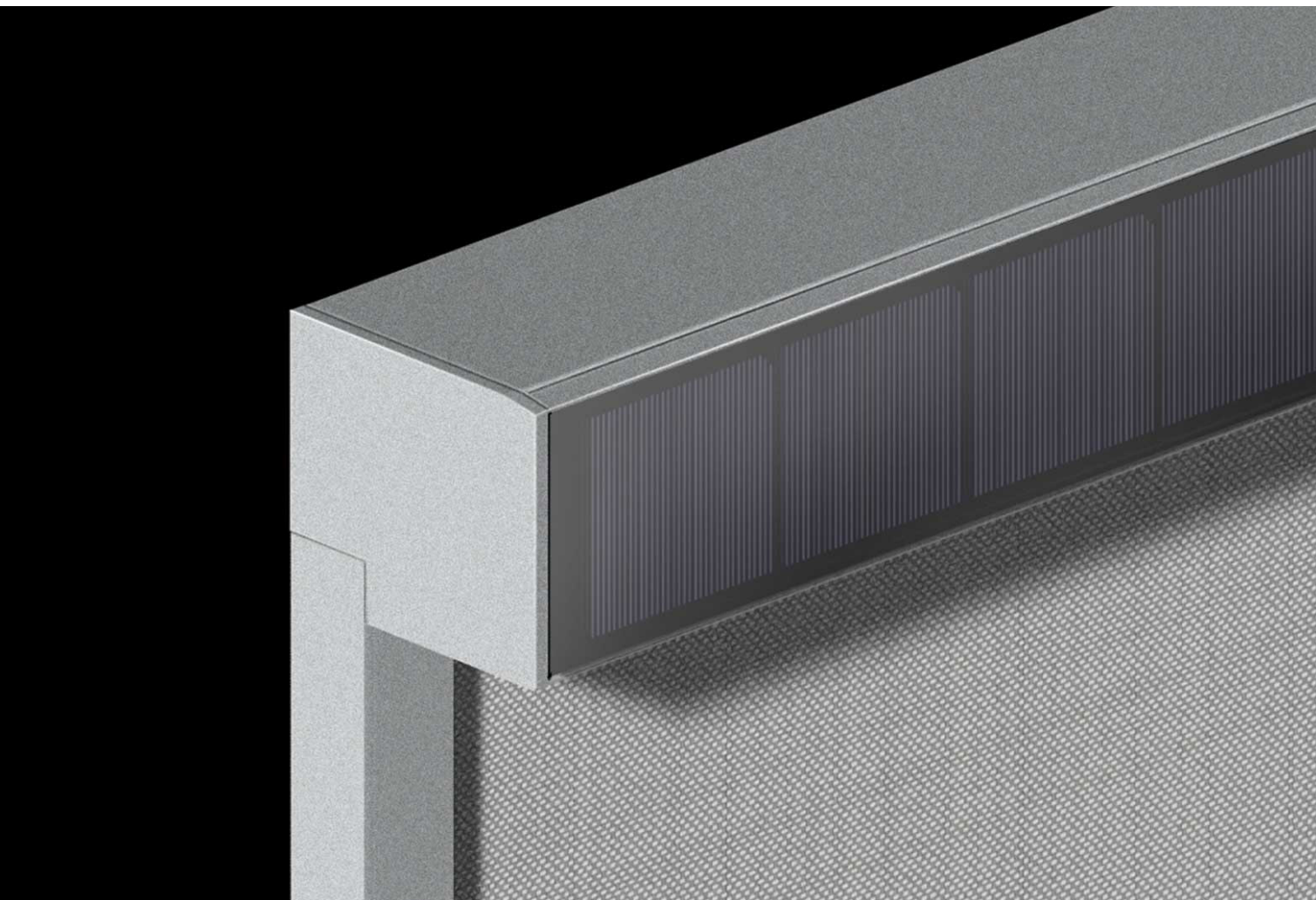
## Systems overview

		SCREEN standard	ZIP standard	ZIP Pro Alu	ZIP Pro Inbouw	ZIP Pro Solar
Cassette sizes	85					
	95			95 		95 
	105			105 	105 	105 
	125			125 	125 	125 
Aluminium tube		  	  	  	  	  
Aluminium inlay						
End slat				 hidden in the cassette	 hidden in the cassette	 hidden in the cassette
Slide guides				 double side-guide	 double side-guide	 double side-guide
QUALITY	tubes from extruded aluminium	✓	✓	✓	✓	✓
	inlay from extruded aluminium		✓	✓	✓	✓
	stainless steel mounting elements	✓	✓	✓	✓	✓
	improved lower bar endcaps	✓	✓	✓	✓	✓
AESTHETICS	hidden lower welding	✓	✓	✓	✓	✓
	hidden lower bar in the cassette			✓	✓	✓
	no screws visible			✓	✓	✓
	beautiful full black glass cassette front					✓
EASE OF INSTALLATION	click-on cassette			✓	✓	✓
	modular spacers and universal spare parts	✓	✓	✓	✓	✓
	click-on side guides			✓	✓	✓
	click-on / click-out tube			✓	✓	✓
	no wires, no electrical connection needed					✓



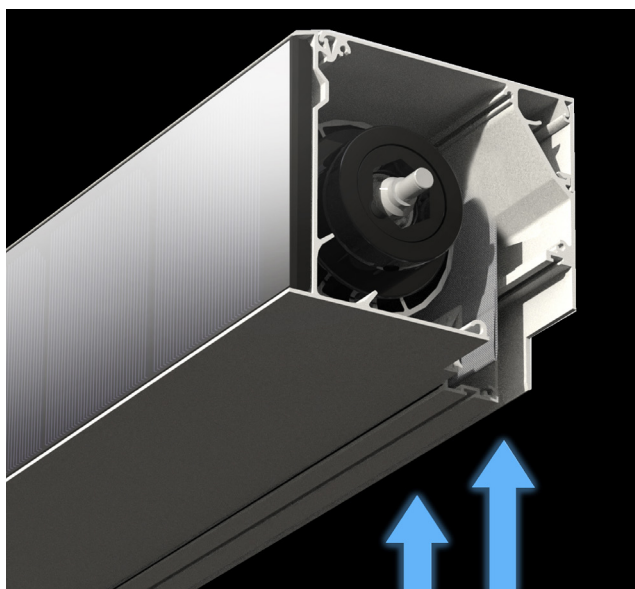






# Aesthetics

## Cassette



### Bottom bar hiding in the cassette

The ZIP Pro system is designed in such a way that it allows the bottom bar to hide in the cassette when the fabric is fully rolled up. This significantly increases the aesthetics of the system and makes it completely invisible when exposed.

Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar



## No screws visible

In the ZIP Pro system, we made sure that all fasteners, such as bolts or screws, are invisible to the user, so that the whole fits perfectly in the building and forms one whole with it.

Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar



## Perfectly flat and durable fabrics for years

Extruded in 3 sizes (65, 78, 95 mm), they ensure great flexibility of use - and the special design allows the use of the same adapter for each of them.

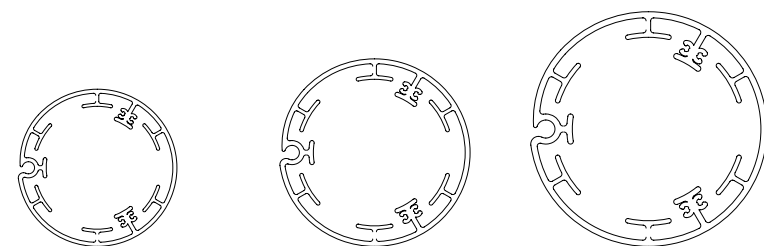
The minimal deformation of the tube means that the fabric rolls up evenly on it without causing wrinkles. This allows the production of very wide systems without the risk that the fabric will be creased.

Aluminum tubes do not stain fabrics, are resistant to weather conditions, do not rust, do not require additional protective coatings. Thanks to the use of special ribbing, they achieve better parameters in deflection and lower weight.



Aluminium tube in:

- ✓ Screen Standard
- ✓ ZIP Standard
- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar



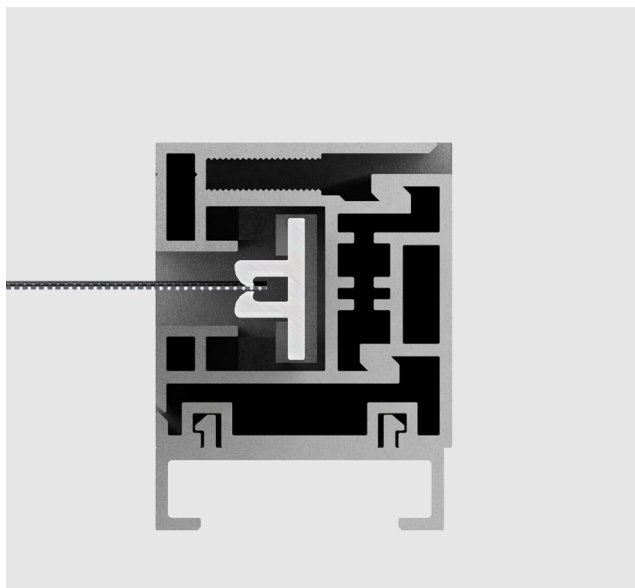
65mm

78mm

95mm



## Sideguides

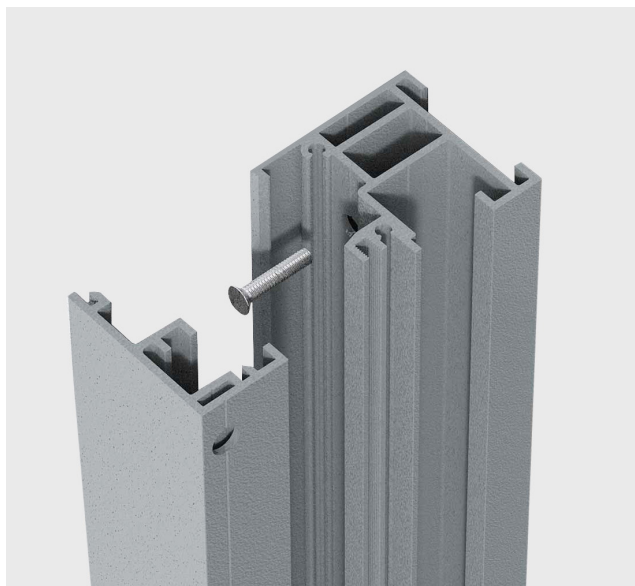


### Aluminium inlay - quiet operation and top on the market stability

Aluminum does not deform and holds the zipper firmly, stretching the zip fabric and ensuring its resistance to impacts and strong winds. Inlay is cushioned in the guide thanks to the TPU cover. The movement of the zipper in the aluminum inlay is noiseless, which increases the comfort of its use.

Available in:

- ✓ ZIP Standard
- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar

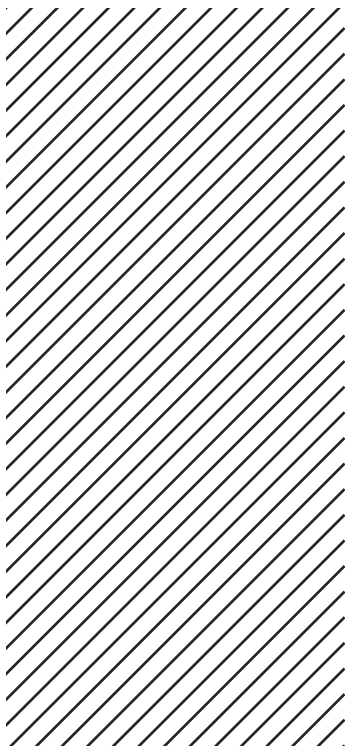


### No visible screws

In the ZIP Pro system, we made sure that all fasteners, such as bolts or screws, are invisible to the user, so that the whole fits perfectly in the building and forms one whole with it.

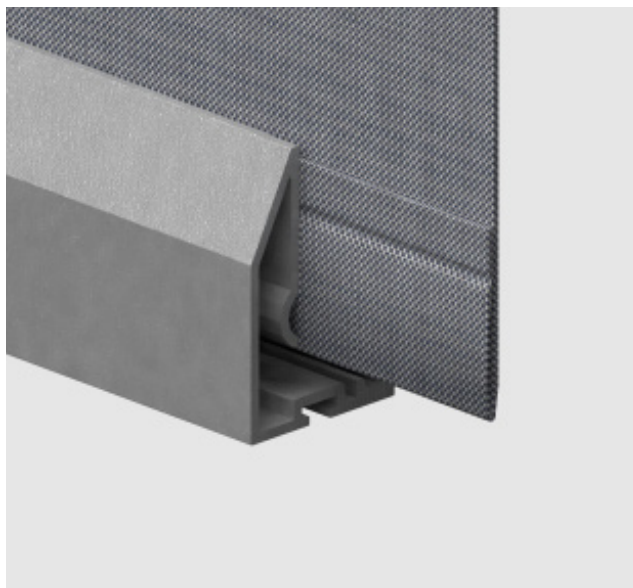
Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar





# Bottombar

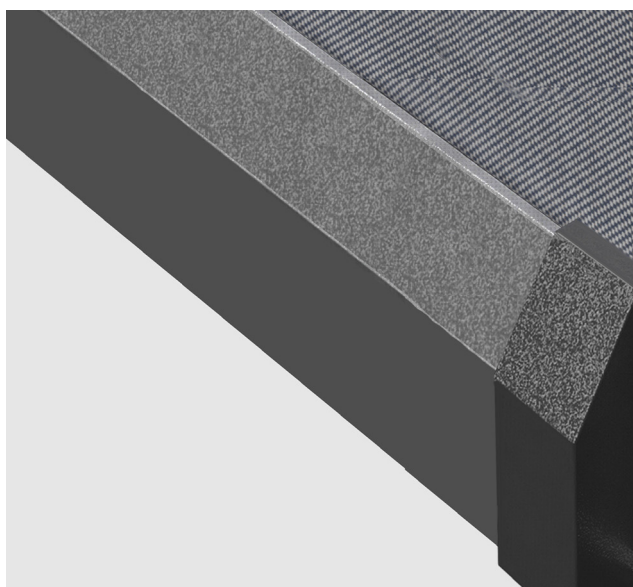


## No visible welding

When designing our system, we paid special attention to ensure that the places of welds were invisible to the end customer - that is why we placed the fabric fastening deep in the bottom strip so that it could cover the weld. The same applies to the side guides - the location of the inlay in their depth makes the zipper invisible, but only the aesthetic surface of the shading fabric.

Available in:

- ✓ Screen Standard
- ✓ ZIP Standard
- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar

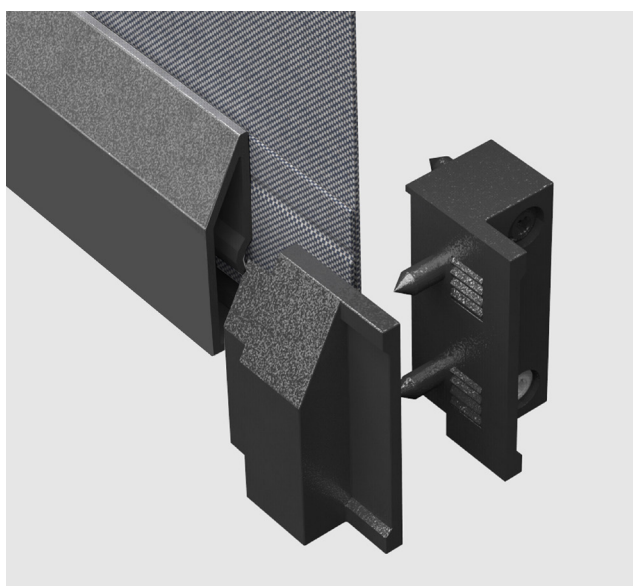


## No visible screws

In the ZIP Pro system, we made sure that all fasteners, such as bolts or screws, are invisible to the user, so that the whole fits perfectly in the building and forms one whole with it.

Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar



## Lower end-cups in aluminium - the same color

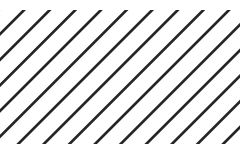
---

Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar



# Ease



# of installation

## Cassette



### Pipe locking system

The locking system of the tube in the ZIP Pro system facilitates installation and makes service activities extremely simple, even with a flush-mounted system.

Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar





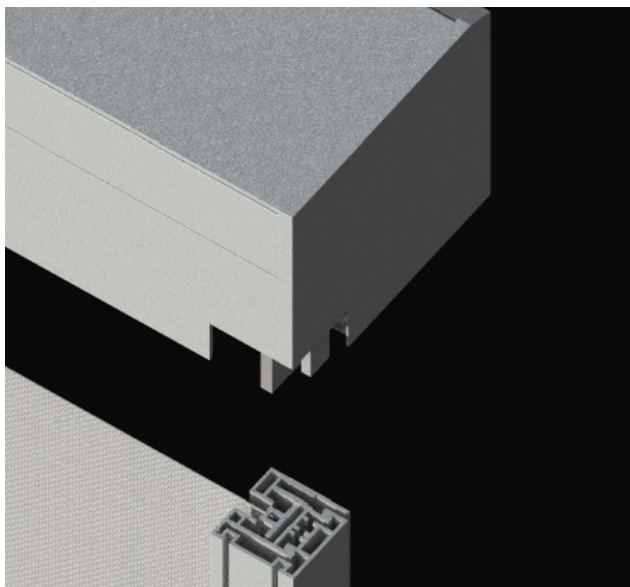
## Click-on / Click-out

In order to shorten the installation time as much as possible, we try to limit the activities performed to a minimum. Therefore, in many places in our systems, we use a click instead of screwing elements.

Available in:

- ✓ ZIP Pro
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar

## Sideguides

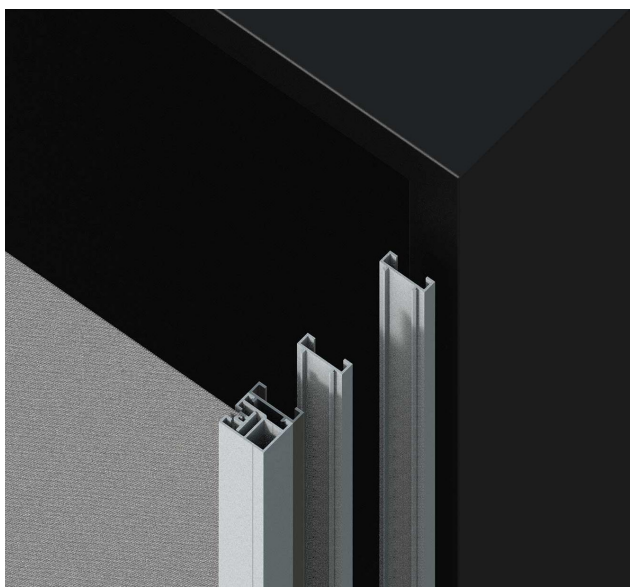


### Click-on cassetts and guides

The locking system of the tube in the ZIP Pro system facilitates installation and makes service activities extremely simple, even with a flush-mounted system.

Available in:

- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar

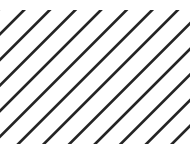


### Additional spacers

Thanks to them, you can easily adjust the distance between the zip side guide and the window frame.

Available in:

- ✓ Screen Standard
- ✓ ZIP Standard
- ✓ ZIP Pro Alu
- ✓ ZIP Pro Inboud
- ✓ ZIP Pro Solar



# Solar powered

**It really works whole year!**

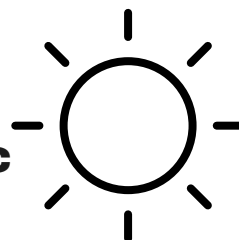
Spring

**10 min**



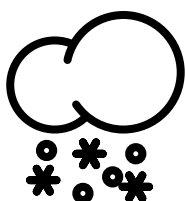
Summer

**20 sec**



Winter

**20 min**



Autumn

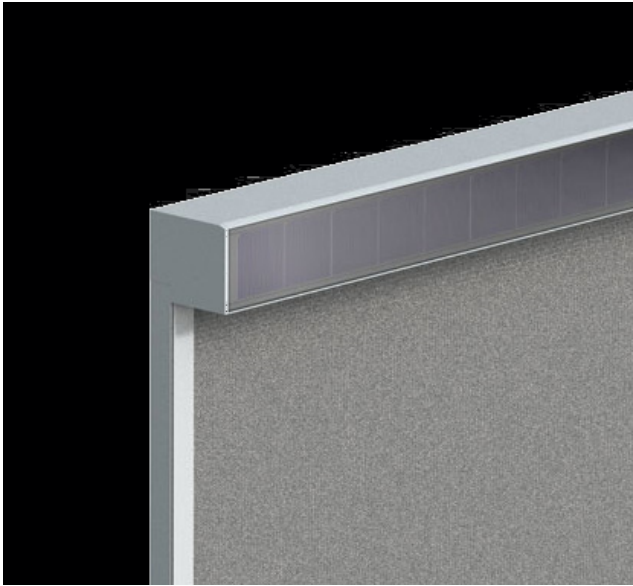
**30 min**



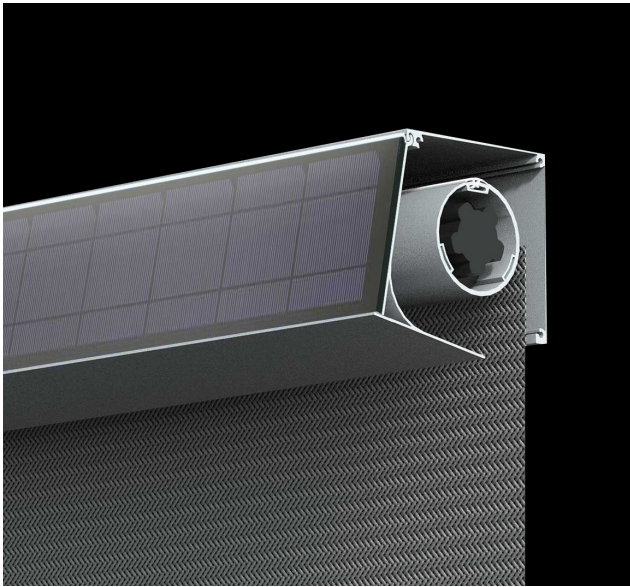




Glass instead of plastic



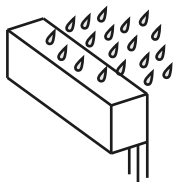
Full black solar panel



Easy access to the battery



Solar panel fitted to the cassette size



**Fully resistant to rain**



**Green energy**



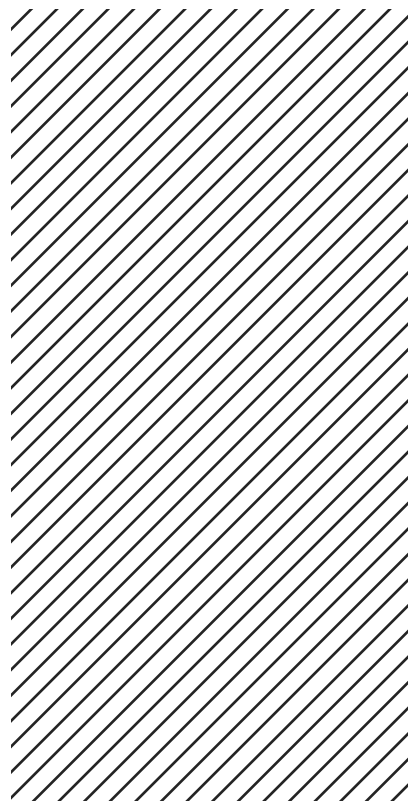
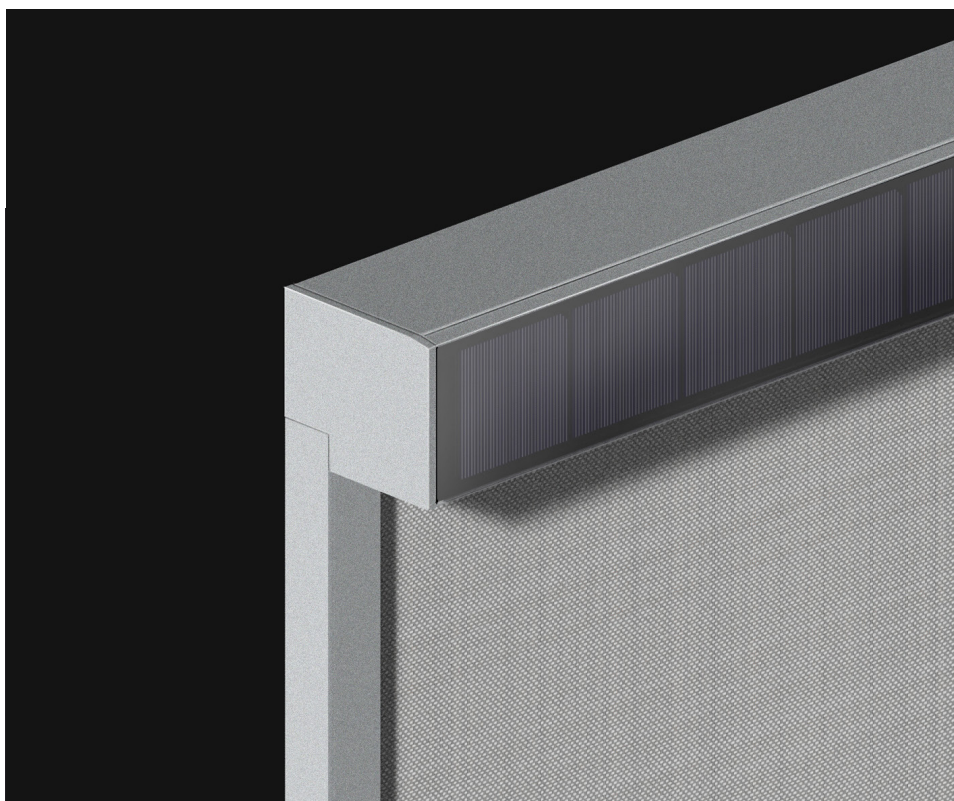
**Made in europe**



# ZIP Pro Solar







ZIP SOLAR is the most advanced shutter solution in our offer. It uses a photovoltaic panel across the entire width of the cassette for power supply. The integrated battery bank allows for trouble-free motor operation, even in cloudy weather. It does not require a power connection, so its installation on the window takes only a few minutes.

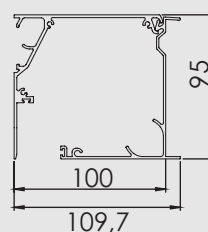
The ZIP SOLAR system is based on the ZIP PRO system and offers all its advantages.

## Cassette colors

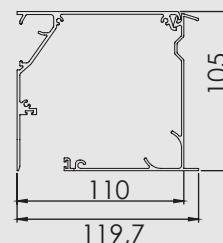
	RAL 7016 Anthracite	included
	RAL 9016 White	included
	RAL 9006 Bright Aluminium	included
	RAL 9001 Cream	included
	Other RAL mat/structural/glossy	included

## PROFILES

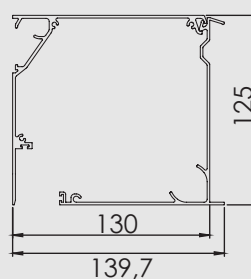
95PV



105PV



125PV



Sideguide

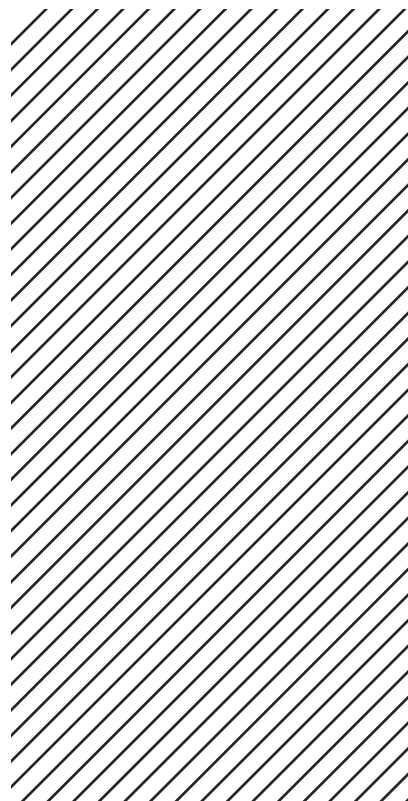
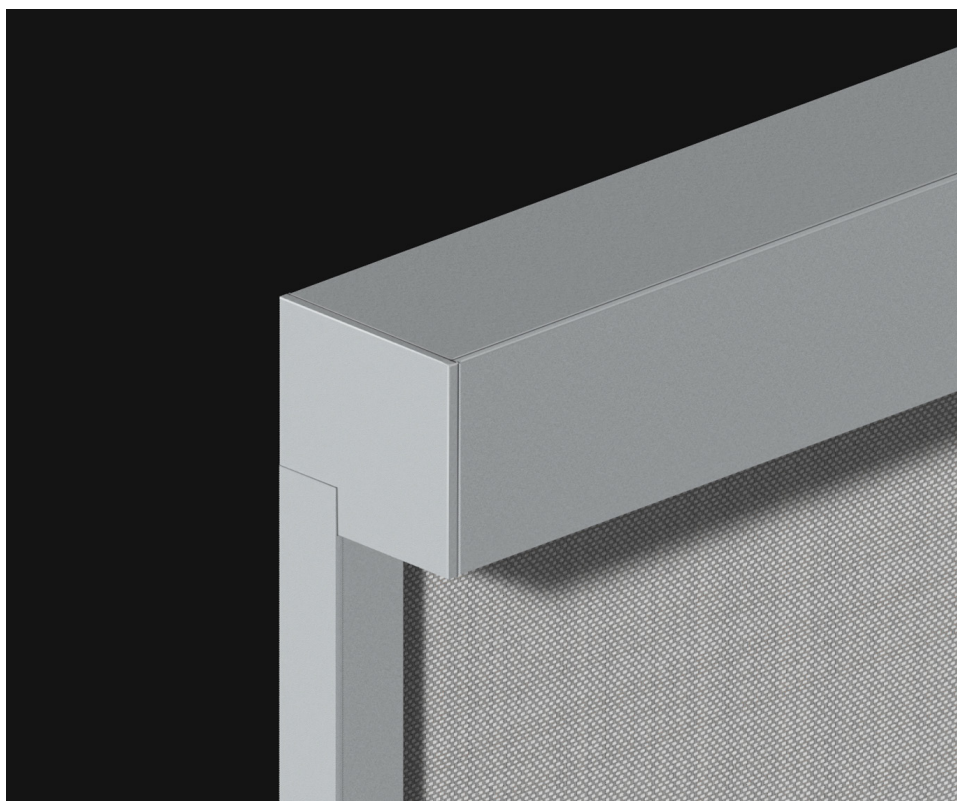


Botombar



# ZIP Pro Alu





ZIP PRO is the most advanced ZIP system in our offer. It uses aluminum inlay technology, thanks to which the fabrics are always taut and stay in place even in strong winds. All elements of the system are made of aluminum, even the end caps of the bottom bar and side guides - so we can deliver them in the same color as the rest of the system. The fasteners are made of stainless steel, but thanks to special solutions, they are invisible to the user. In ZIP PRO we used a double side guide, which facilitates assembly and is more aesthetic.

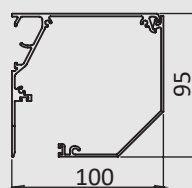
ZIP PRO is a product for demanding customers who value high aesthetics, quality and durability of the product.

## Cassette colors

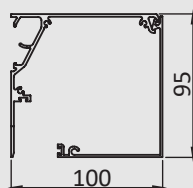
	RAL 7016 Anthracite	included
	RAL 9016 White	included
	RAL 9006 Bright Aluminium	included
	RAL 9001 Cream	included
	Other RAL mat/structural/glossy	included

## PROFILES

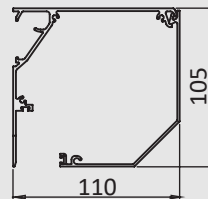
95-45°



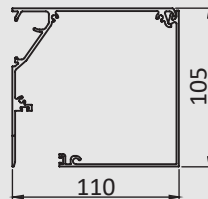
95-90°



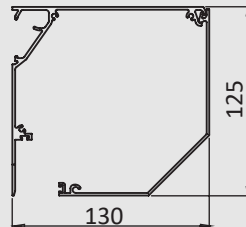
105-45°



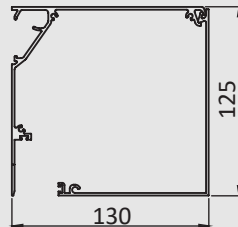
105-90°



125-45°



125-90°



Sideguide

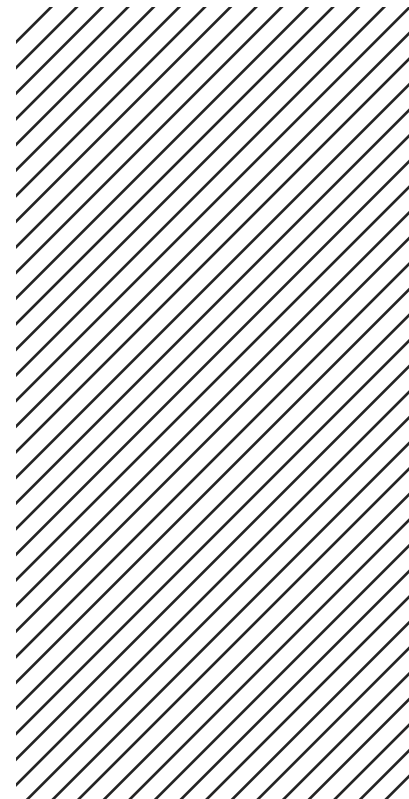
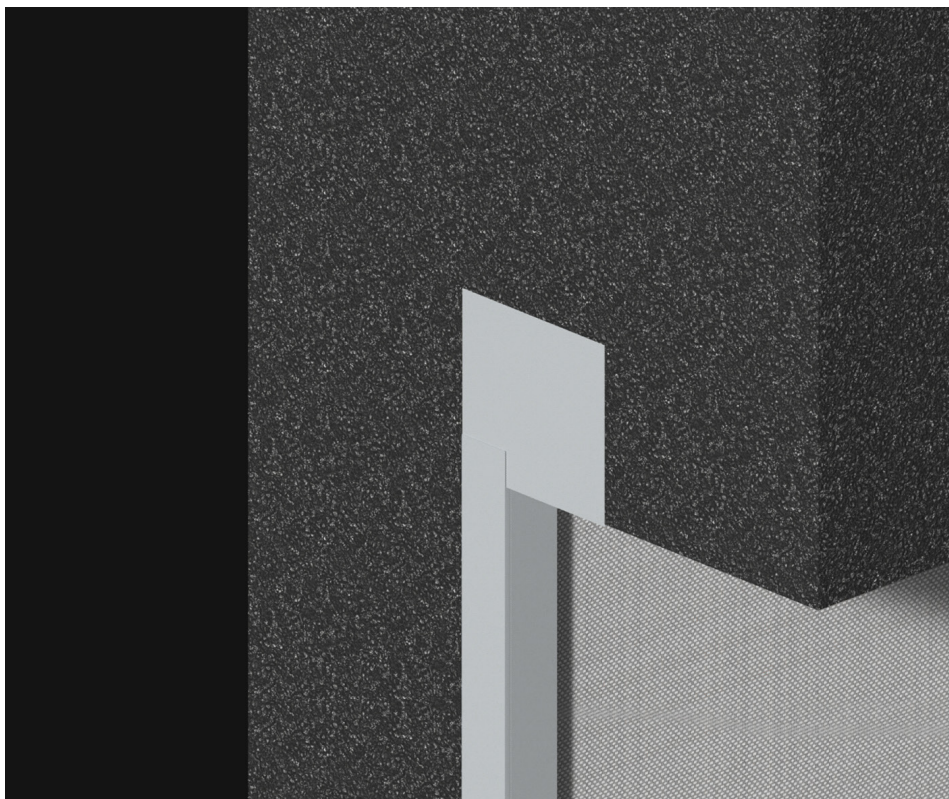


Botombar



# ZIP Pro Inbouw





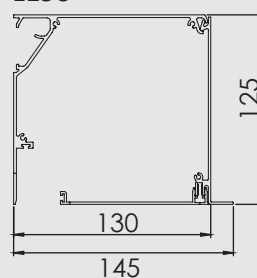
The ZIP PRO F-M is based on the ZIP PRO system, using the same components, and additionally offering a cassette box with access from the bottom. This makes it ideal for flush-mounted installations. The system of removing the pipe with the wound material facilitates assembly and service of the ZIP PRO F-M. When the material is rolled up, the bottom rail is completely hidden in the cassette, thanks to which it creates an aesthetic whole with it. Its well-thought-out design additionally means that no welds on the fabric are visible.

## Cassette colors

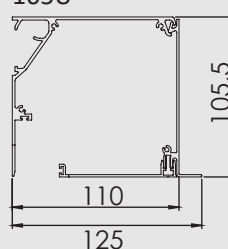
	RAL 7016 Anthracite	included
	RAL 9016 White	included
	RAL 9006 Bright Aluminium	included
	RAL 9001 Cream	included
	Other RAL mat/structural/glossy	included

## PROFILES

### 125U



### 105U



Sideguide

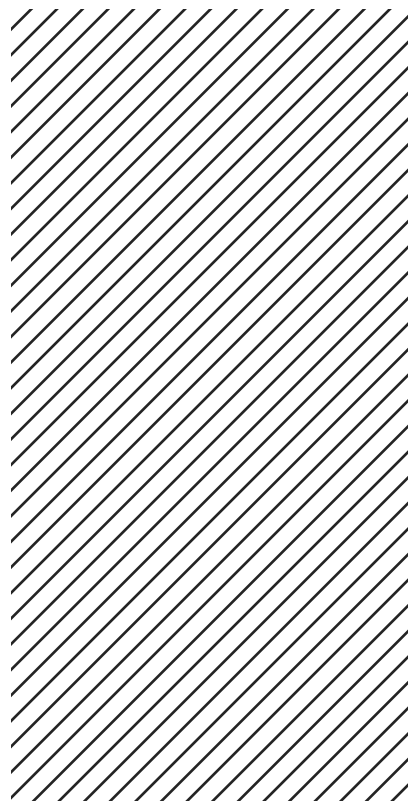
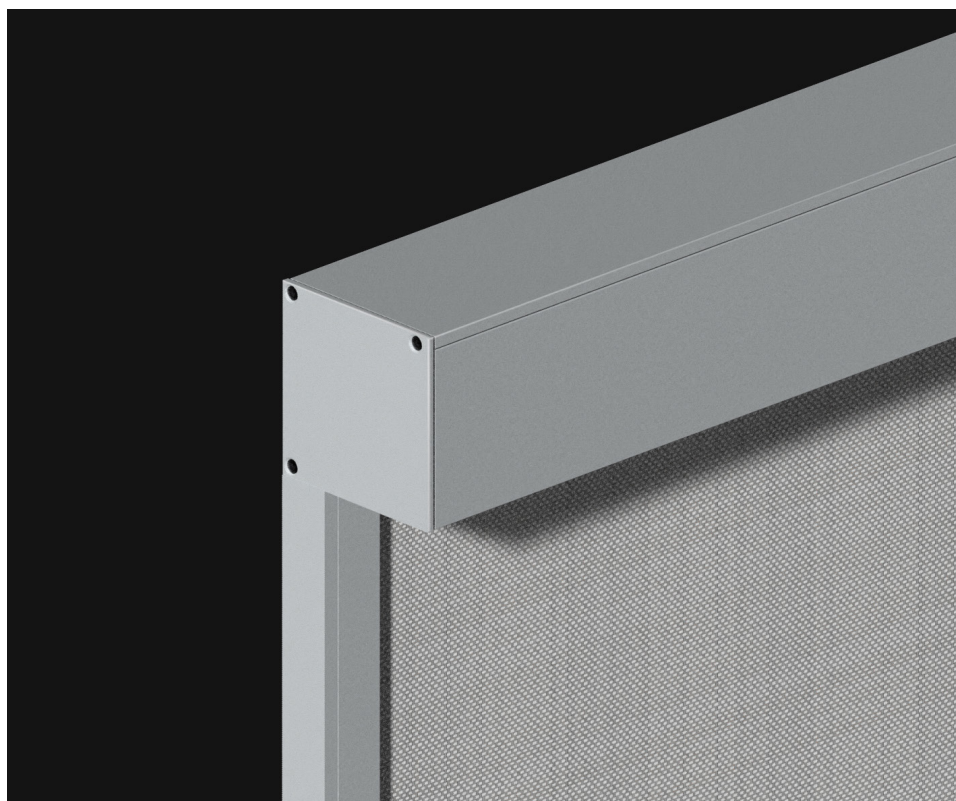


Botombar



# ZIP Standard





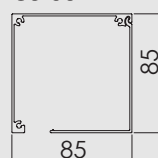
ZIP STANDARD is a high-quality zip system that uses our aluminum inlay technology to stretch the fabric and hold it in place even in high winds. ZIP STANDARD is available in 4 sizes of cassettes, with a one-piece guide and uses a system of aluminum pipes on which the fabrics are wound. As standard, all fasteners in the system are made of stainless steel. The end caps of the lower rail and the rails are made of black plastic, thanks to which they perfectly harmonize with the system, regardless of the color version chosen by the user

## Cassette colors

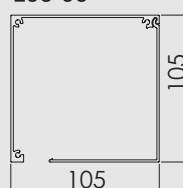
	RAL 7016 Anthracite	included
	RAL 9016 White	included
	RAL 9006 Bright Aluminium	included
	RAL 9001 Cream	included
	Other RAL mat/structural/glossy	included

## PROFILES

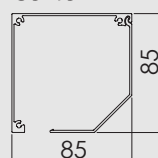
85-90°



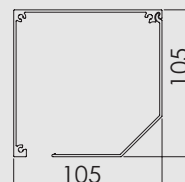
105-90°



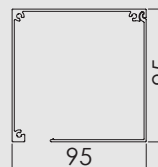
85-45°



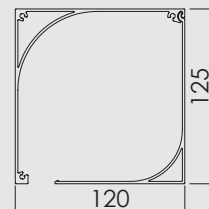
105-45°



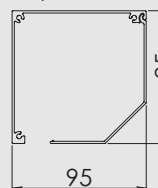
95/90°



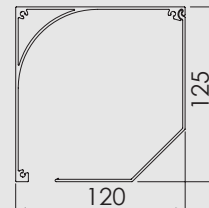
125/90°



95/45°



125/45°



Sideguides

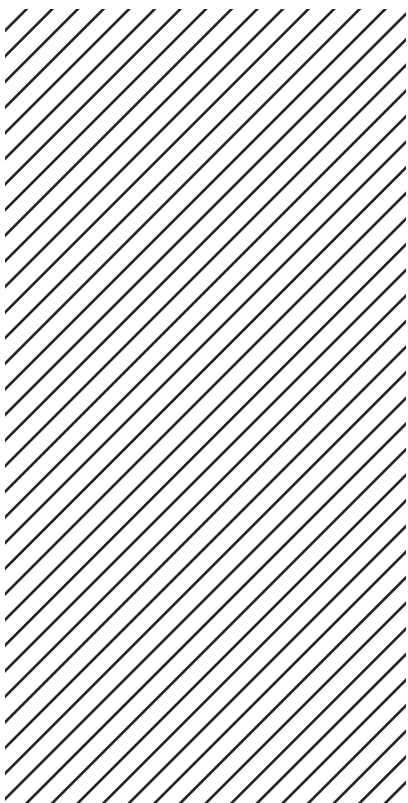
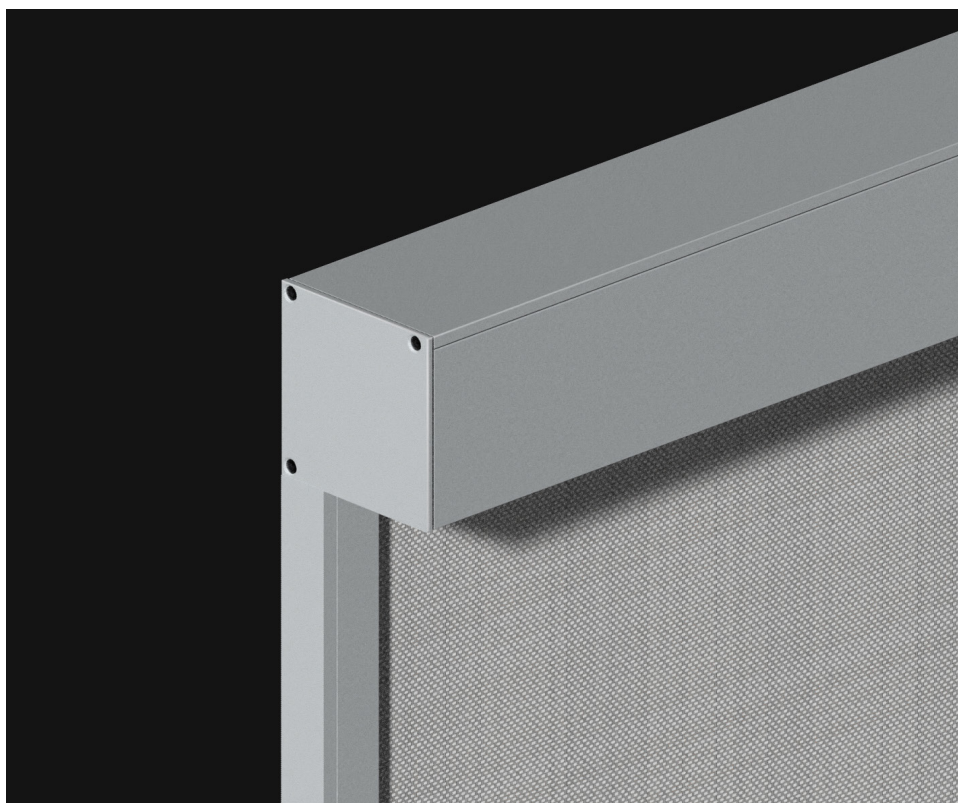


Botombar



# Screen standard





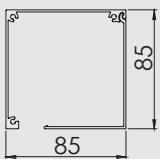
Due to the fact that the individual components are compatible between the systems, the installer and service technician can have fewer spare parts with them in the event of the need to replace any of the components. It also speeds up the learning process to operate and maintain systems.

### Cassette colors

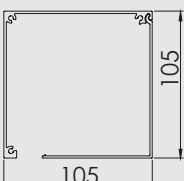
	RAL 7016 Anthracite	included
	RAL 9016 White	included
	RAL 9006 Bright Aluminium	included
	RAL 9001 Cream	included
	Other RAL mat/structural/glossy	included

### PROFILES

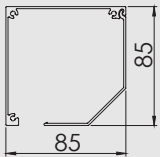
85-90°



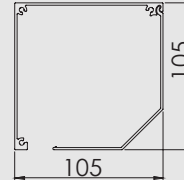
105-90°



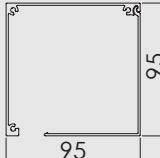
85-45°



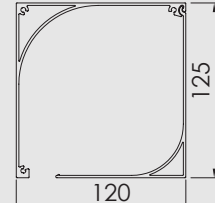
105-45°



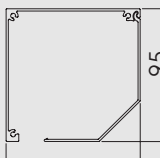
95/90°



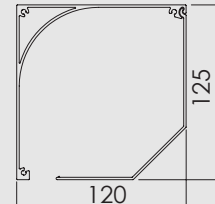
125/90°







95/45°



125/45°







Sideguides

Botombar

# Motors

Article		Name
ENOVIO	ENV 45 S 10/15	Motor 45 S, 10/15, mech. end limits
	ENV 45 S 20/15	Motor 45 S, 20/15, mech. end limits
	ENV 45 S 30/15	Motor 45 S, 30/15, mech. end limits
	ENV 45 S 20/26	Motor 45 S, 20/26, mech. end limits
	ENV 45 S 10/15 SHORT	Motor 45 S, 10/15, SHORT
	ENV 45 EVY 10/15	Motor 45 EVY, 10/15 with radio, elec. End limits
	ENV 45 EVY 20/15	Motor 45 EVY, 20/15 with radio, elec. End limits
	ENV 45 EVY 30/15	Motor 45 EVY, 30/15 with radio, elec. End limits
somfy®	1035021	LT 50 Ceres 8/12 VVF 2,5 m
	1037052	LT 50 Jet 10/12 VVF 2,5 m
	1039041	LT 50 Atlas 15/12 VVF 2,5 m
	1032136	LT 50 Ariane 6/17 RRF 3 m
	1037159	LT 50 Jet 10/17 RRF 3 m
	1039054	LT 50 Atlas 15/17 VVF 2,5 m
	1041055	LT 50 Meteor 20/17 VVF 2,5 m
	1043041	LT 50 Gemini 25/17 VVF 2,5 m
	1032515	LT 50 Ariane 6/32 PA VVF 3 m
	1037344	LT 50 Jet 10/32 PA VVF 2,5 m
	1110156	Orea 50 WT 6/17
	1111107	Orea 50 WT 10/17
	1112196	Orea 50 WT 15/17
	1114173	Orea 50 WT 25/17
	1115157	Orea 50 WT 30/17
	1110296	Maestria 50 WT 6/17 (6/32 RH - 1110299)
	1111214	Maestria 50 WT 10/17 (10/32RH - 1111217)
	1112341	Maestria 50 WT 15/17 (15/32RH - 1112344)
	1114290	Maestria 50 WT 25/17
	1032916	Altus 50 RTS 6/12
	1037825	Altus 50 RTS 10/12
	1041784	Altus 50 RTS 20/12
	1045612	Altus 50 RTS 30/12
	1032447	Altus 50 RTS 6/17
	1037401	Altus 50 RTS 10/17
	1039376	Altus 50 RTS 15/17
	1043170	Altus 50 RTS 25/17
	1045344	Altus 50 RTS 30/17
	1110100	Orea RTS 6/17
	1111096	Orea RTS 10/17
	1112165	Orea RTS 15/17
	1114130	Orea RTS 25/17
	1116126	Orea RTS 35/17
	1032959	Sunilus SCR io 6/17 (RH - 1033318)
	1037857	Sunilus SCR io 10/17 (RH - 1038090)
	1039815	Sunilus SCR io 15/17 (RH - 1040011)
	1045635	Sunilus 50 io 30/17
	1110202	Sunea Screen io 6/17
	1110199	Sunea Screen io 6/32
	1111152	Sunea Screen io 10/17
	1111150	Sunea Screen io 10/32
	1112248	Sunea Screen io 15/17
	1114235	Sunea 50 io 25/17
	1152041	Sunea 50 io 30/17
	1025124	Sunea Screen 40 io 4/16
	1025127	Sunea Screen 40 io 9/16
	1025131	Sunea Screen 40 io 13/10
	1110271	Maestria+ 50 io 6/17 (RH - 1110270)
	1110276	Maestria+ 50 io 6/32
	1111194	Maestria+ 50 io 10/17 (RH - 1111191)
	1111199	Maestria+ 50 io 10/32
	1112321	Maestria+ 50 io 15/17 (RH - 1112318)
	1112326	Maestria+ 50 io 15/32
	1114280	Maestria+ 50 io 25/17
	1116287	Maestria+ 50 io 35/17



Article		Name
	ENV Artistic 1 white	1-channel remote white
	ENV Artistic 1 black	1-channel remote black
	ENV Artistic 5 white	5-channel remote white
	ENV Artistic 5 black	5-channel remote white
	ENV Aura 1 white	1-channel wall remote white
	ENV Aura 2 white	2-channel wall remote white
	ENV Aura 15 white	15-channel wall remote white
	ENV Aura 1 white C	1-channel wall remote white with clock
	ENV Aura 5 white C	5-channel wall remote white with clock
	ENV Cameleo 1 white	1-channel wall remote white
	ENV Cameleo 2 white	2-channel wall remote white
	ENV Cameleo 15 white	15-channel wall remote white
	ENV Cameleo 1 white C	1-channel wall remote white with clock
	ENV Cameleo 5 white C	5-channel wall remote white with clock
	Sutio RTS 1 Pure	1-channel remote RTS
	Sutio RTS 5 Pure	5-channel remote RTS
	Sutio io 1 Pure	1-channel remote io
	Sutio io 5 Pure	5-channel remote io
	Smooove Origin 1 RTS	1-channel wall remote RTS
	Smooove Origin 1 io	1-channel wall remote io
	Connexoon RTS	Connexoon RTS
	Connexoon io	Connexoon io
	Tahoma	Tahoma Smart Home



# **Fabrics offer**




**Serge Ferrari**



## Openners factor

<b>Black out of 0%</b>	Serge BO Solar Serge BO Lunar	Soltis B92
<b>Of 1%</b>	Serge 1%	Serge 1%
<b>Of 3%</b>		Serge 3%
<b>Of 4%</b>		Soltis 92
<b>Of 5%</b>	Serge 600	Soltis EAZZip
<b>Of 8%</b>		Soltis 88
<b>Of 10%</b>	Serge 10%	
<b>Of 14%</b>		Soltis 86

## Price per m<sup>2</sup>

Screen		ZIP Screen		Tourniquets	
<b>Copaco</b>	<b>Price per m<sup>2</sup></b>	<b>Copaco</b>	<b>Price per m<sup>2</sup></b>	<b>Name</b>	<b>Price</b>
Serge 600 OF 5%	€ 54	Serge 600 OF 5%	€ 68	Tourniquets - € 13/piece	
Serge 1%	€ 70	Serge 1%	€ 85		
<b>Serge Ferrari</b>	<b>Price</b>	Serge BO Lunar	€ 110		
Soltis 86	€ 61	<b>Serge Ferrari</b>	<b>Price</b>		
Soltis 88	€ 67	Soltis 86	€ 80		
Soltis 92	€ 68	Soltis 88	€ 85		
Soltis Veozip	€ 63	Soltis 92	€ 88		
<b>Helio Screen</b>	<b>Price</b>	Soltis Veozip	€ 75		
Serge 3%	€ 59	Soltis B92 (Black Out)	€ 125		
Serge 1%	€ 73	<b>Helio Screen</b>	<b>Price</b>		
		Serge 3%	€ 73		
		Serge 1%	€ 90		

## Fabrics parameters

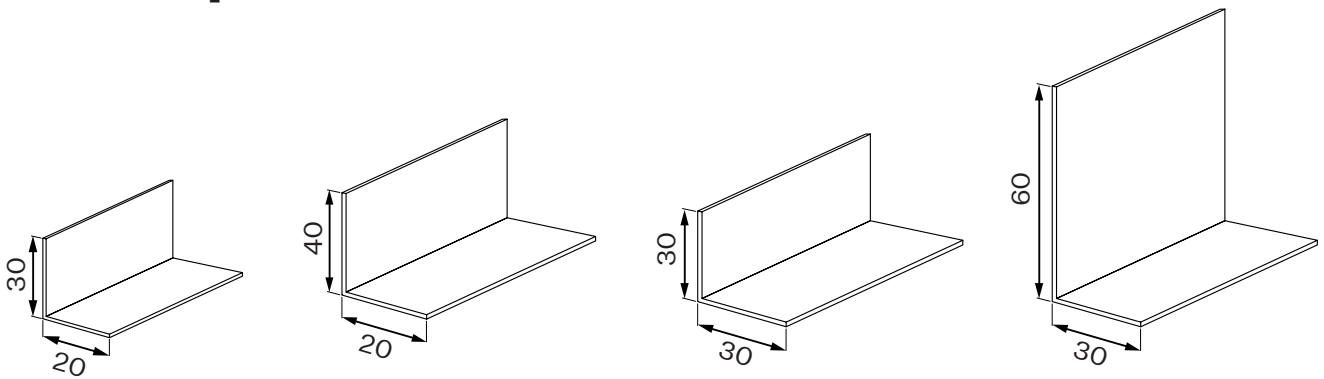
	Collection	Openess	As = Solar absorptance %	Rs = Solar Reflectance %	Ts = Solar Transmittance
	Serge 1%	1	15,9 - 66,6	31,2 - 71,32	,2 - 12,8
	Serge 10%	10	9,5 - 90,23	,7 - 60,54	,6 - 29,2
	Serge 600	5	87,9 - 90,43	,7 - 8,4	3,9 - 6,1
	Serge 600 BO Lunar	0	66,6 - 93,86	,2 - 33,70	
	Serge 600 BO Solar	0	28,4 - 76,9	18,2 - 67,34	,3 - 11
	Soltis 86	14	12 - 81	5 - 60	14 - 31
	Soltis 88	8	11 - 866	- 658	- 24
	Soltis 92	4	10 - 91	6 - 70	2 - 20
	Soltis B920		30 - 94	6 - 700	
	Serge 1%	1			
	Serge 3%	3			



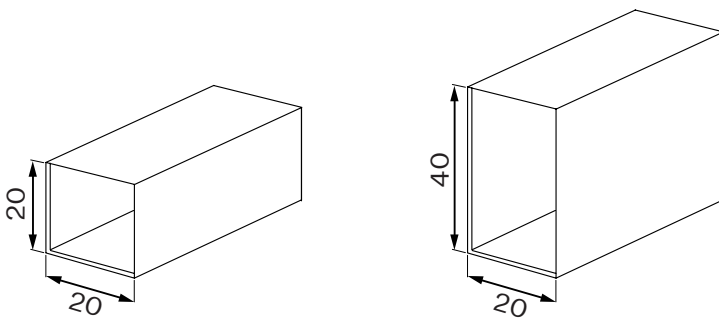


# Additional

## Corner profiles



## Square profiles



## Colors



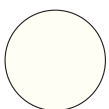
RAL 7016 Anthracite



RAL 9006 Bright Aluminium



Other RAL

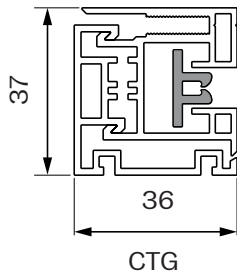


RAL 9016 White

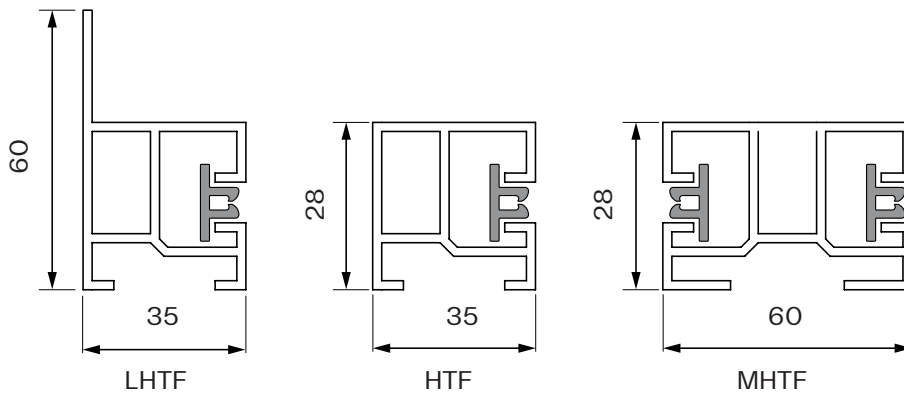


RAL 9001 Cream

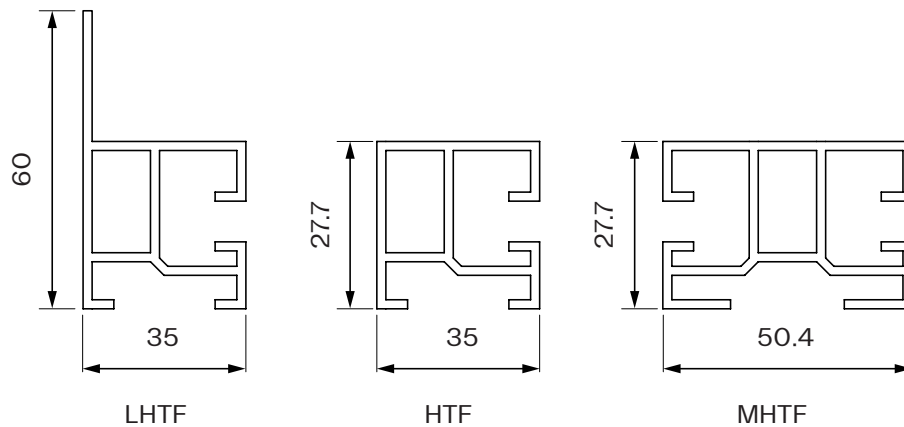
## ZIP Pro - Alu / Solar / Inbouw



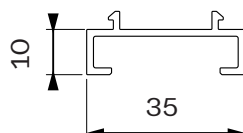
## ZIP Standard



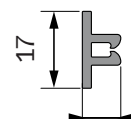
## Screen Standard



## Spacers



## Inlay



15 EUR/m

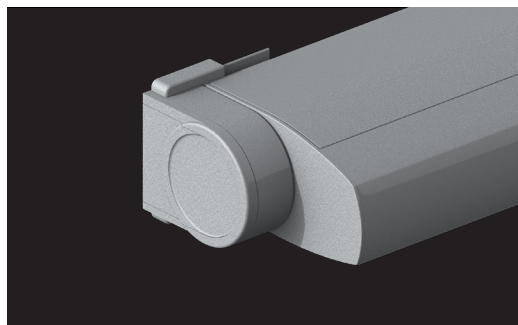


# Awnings

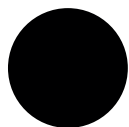
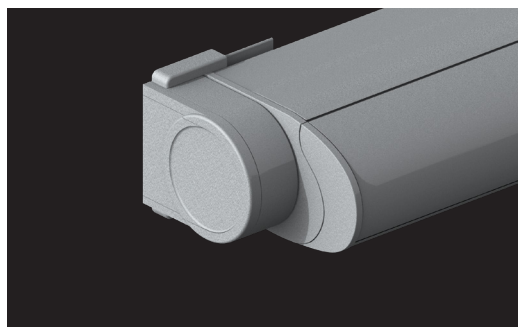




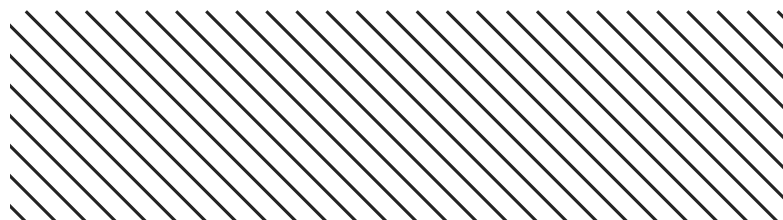
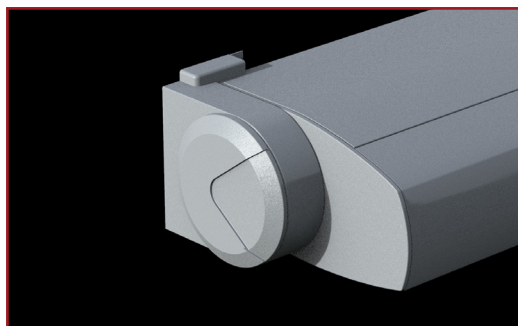
**Silvi awning**



**Panarea awning**



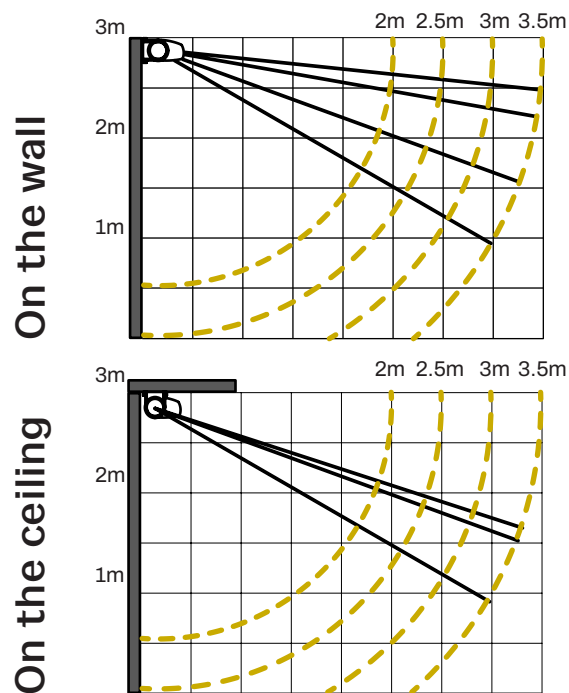
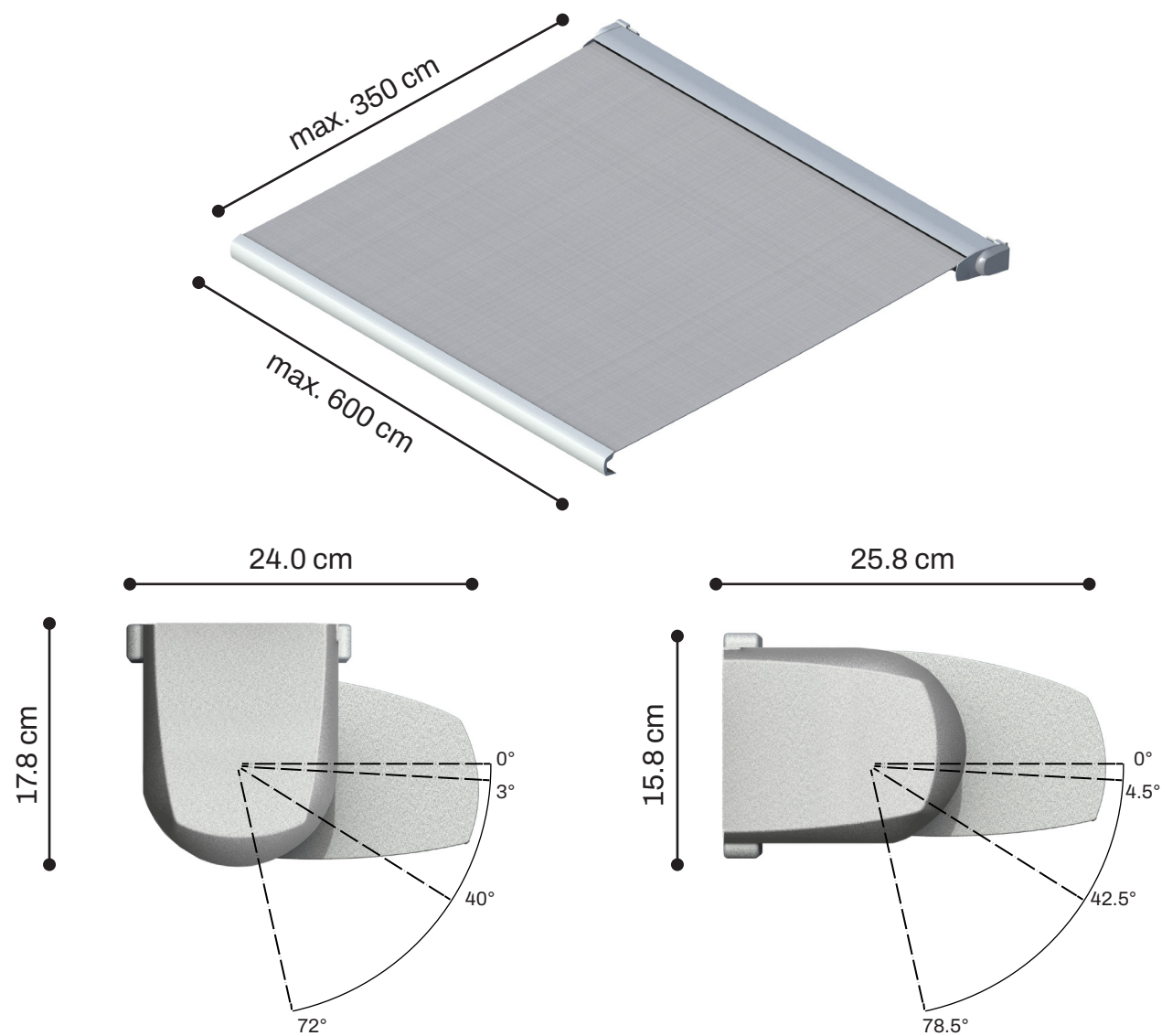
**Besano awning**



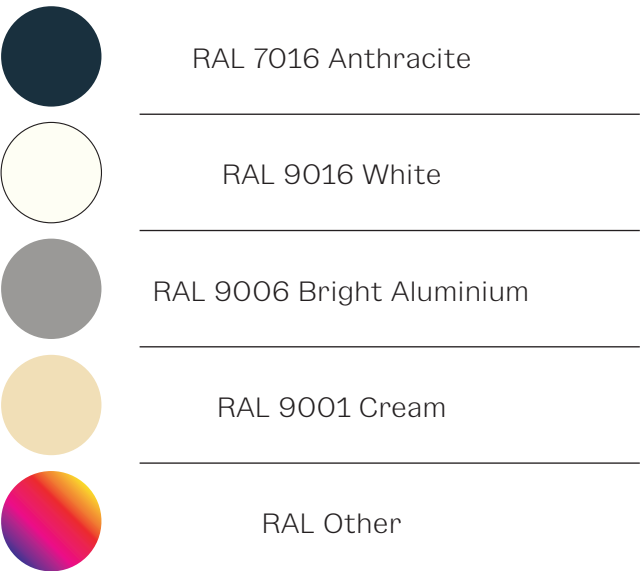


**Silvi**

# Product dimensions

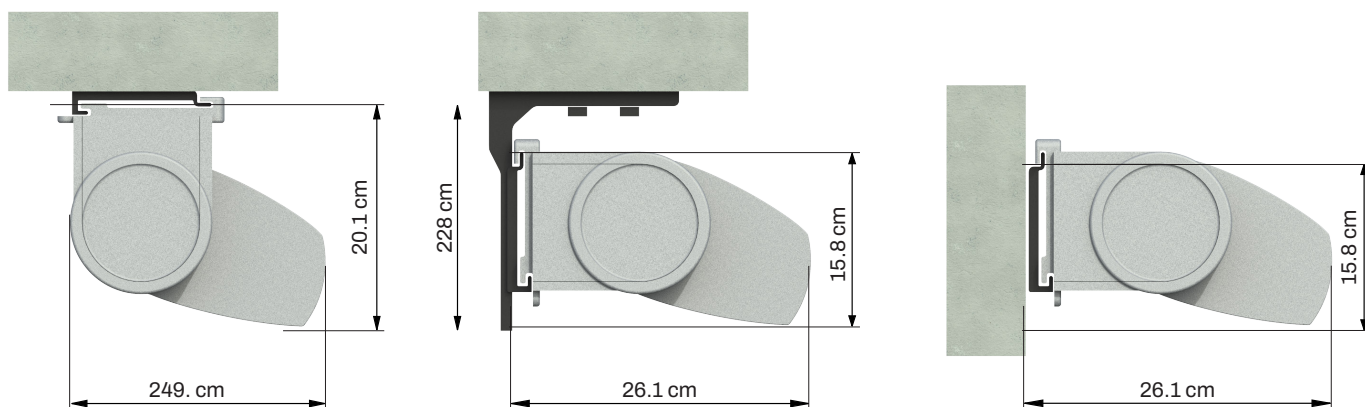


## Cassette colors

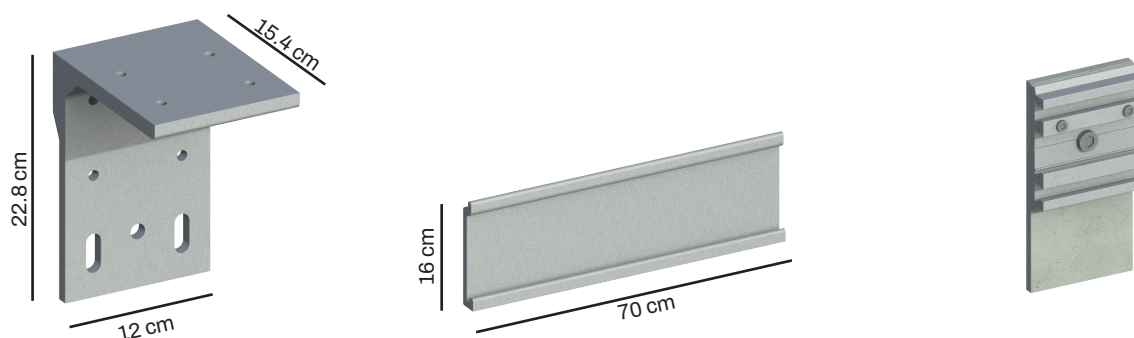




## Product dimensions and fixing

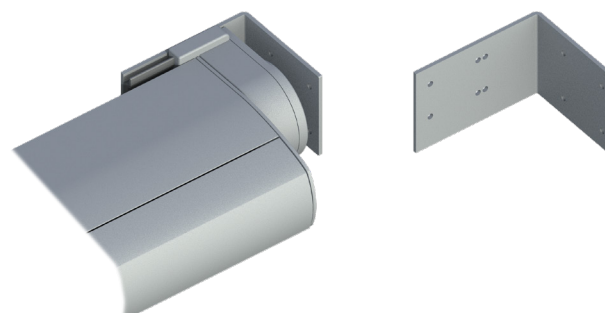
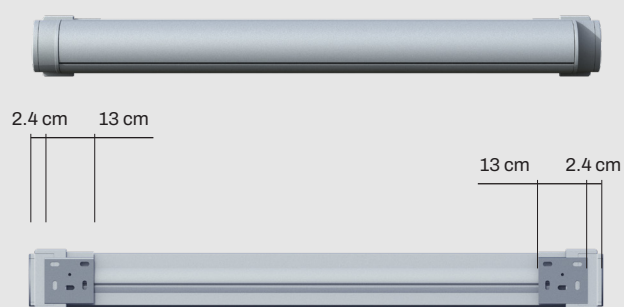


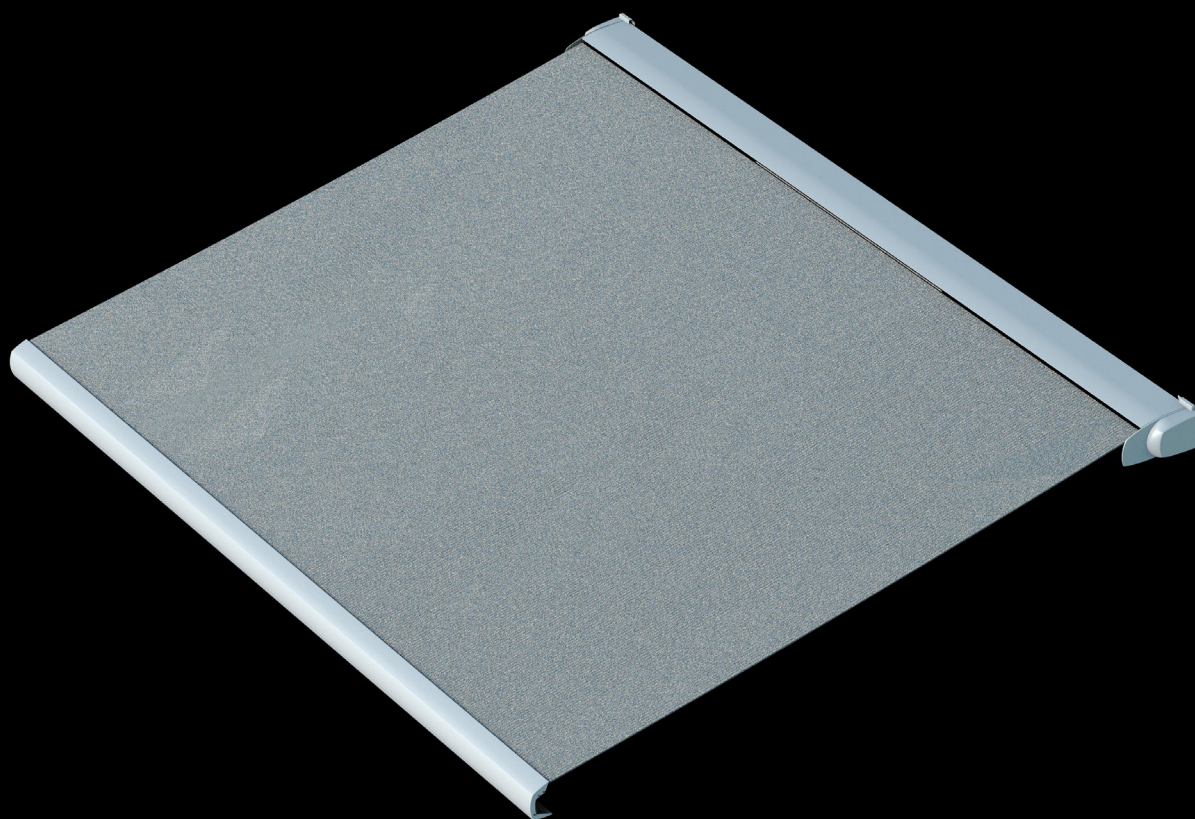
## Mounting brackets



## Mounting margins

## Installation between the walls



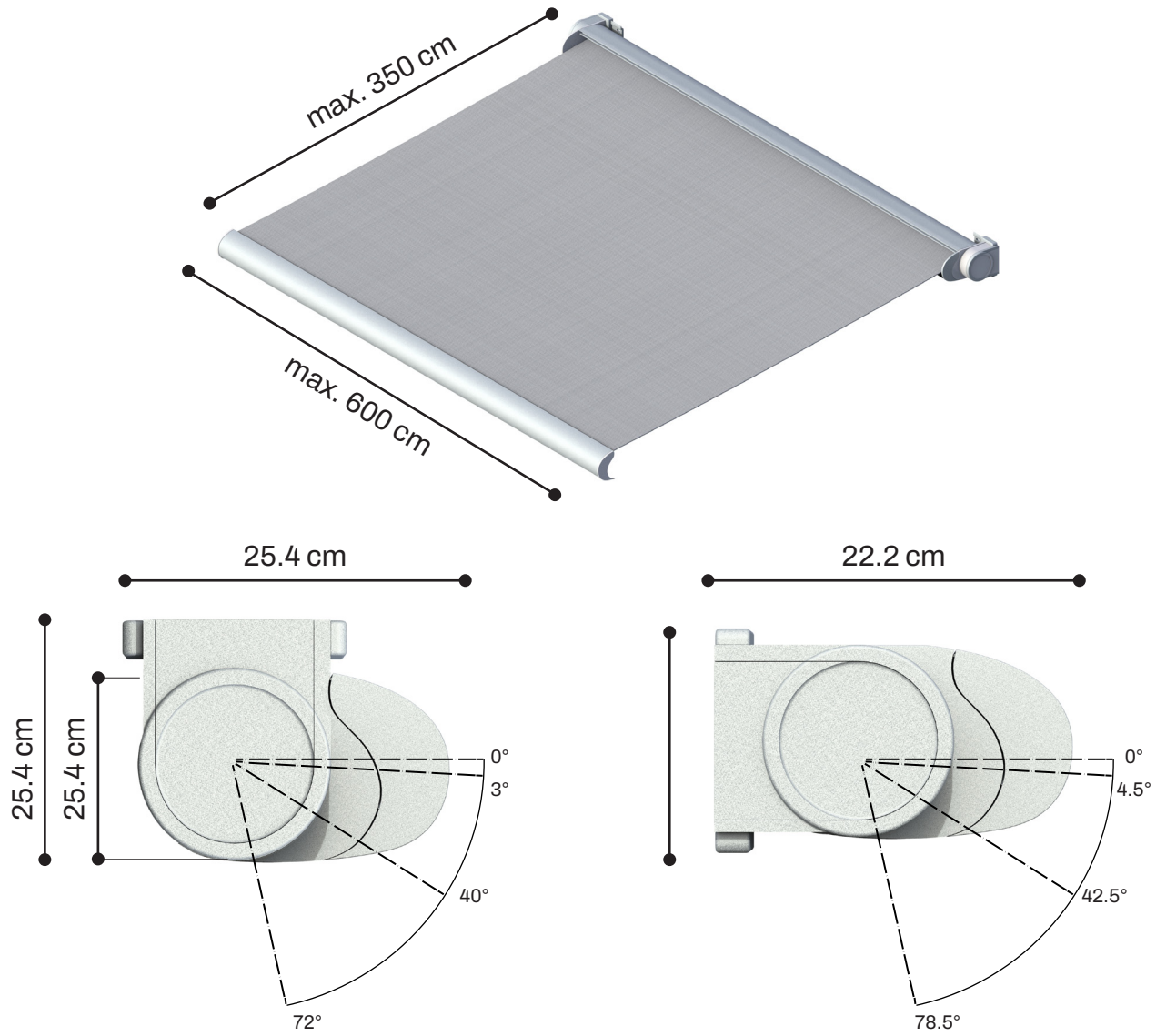




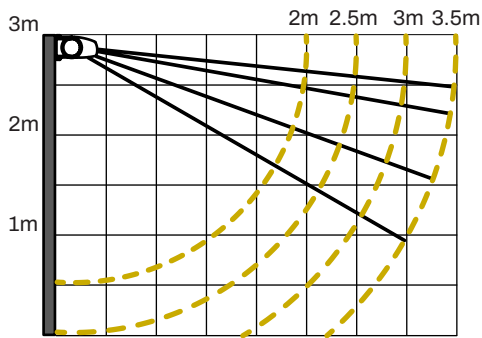
# Panarea



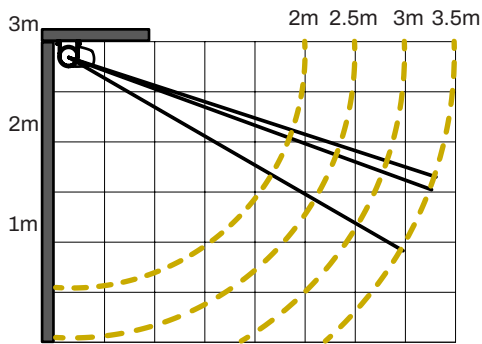
# Product dimensions



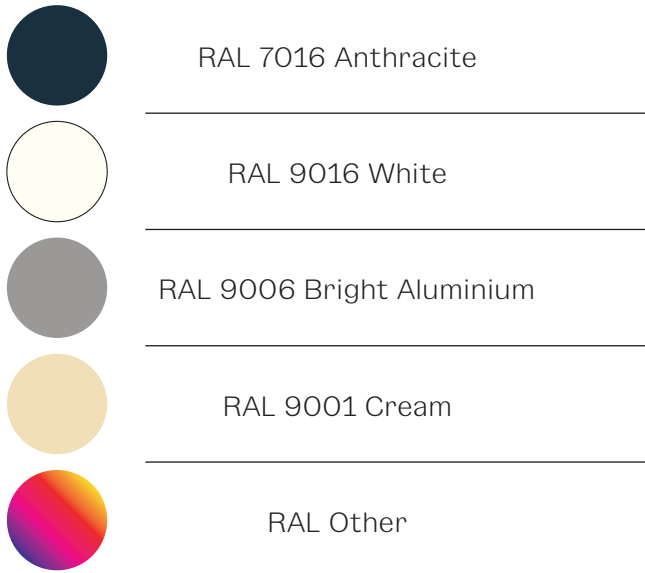
On the wall



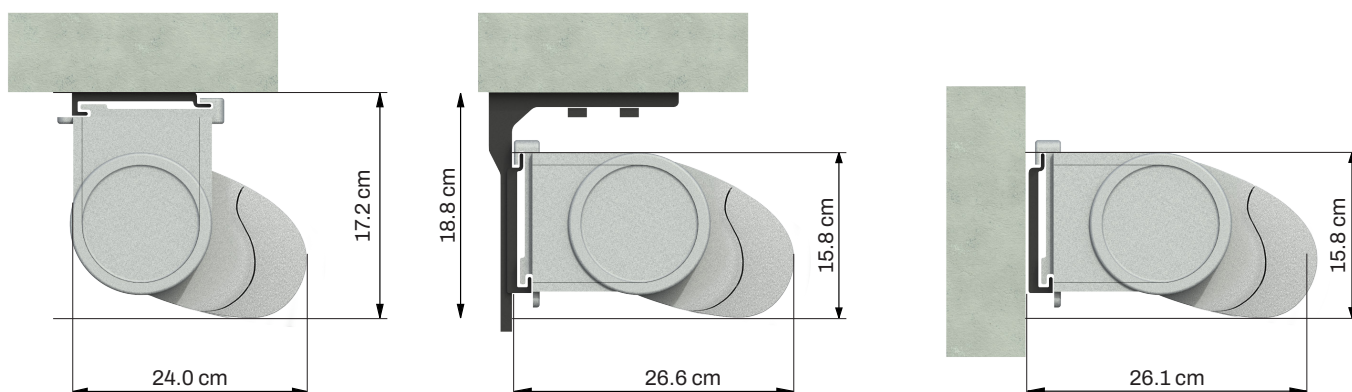
On the ceiling



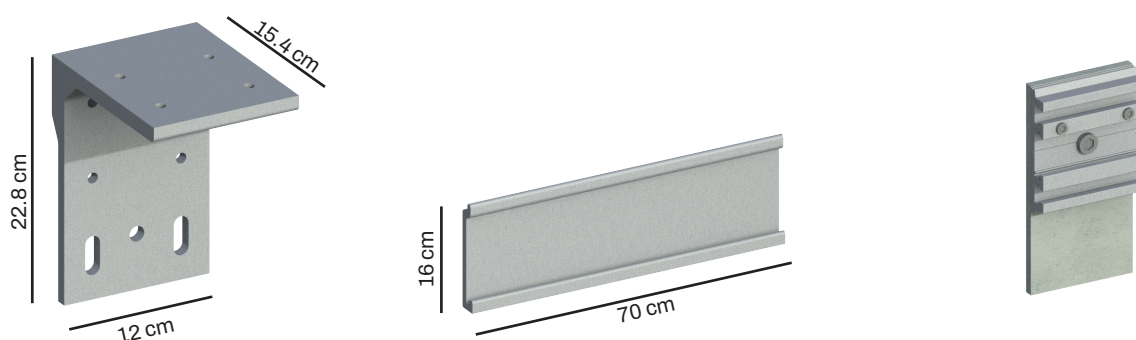
## Cassette colors



## Product dimensions and fixing

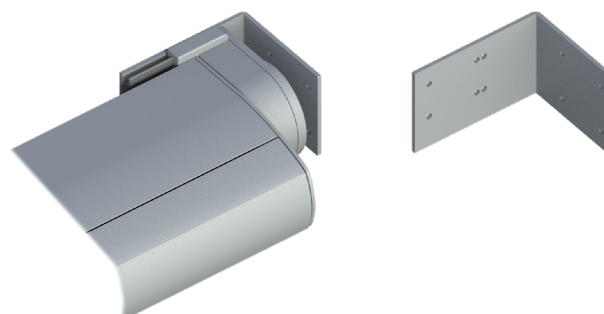
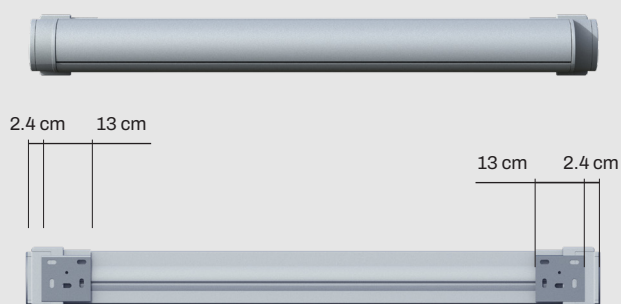


## Mounting brackets



## Mounting margins

## Installation between the walls



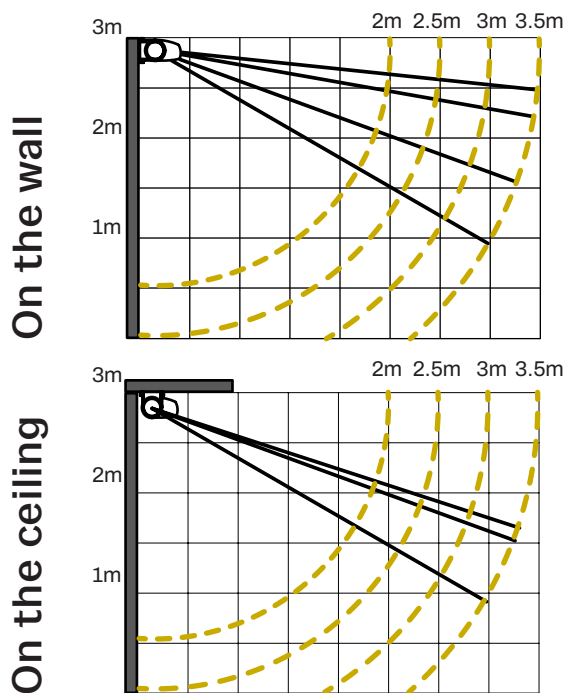
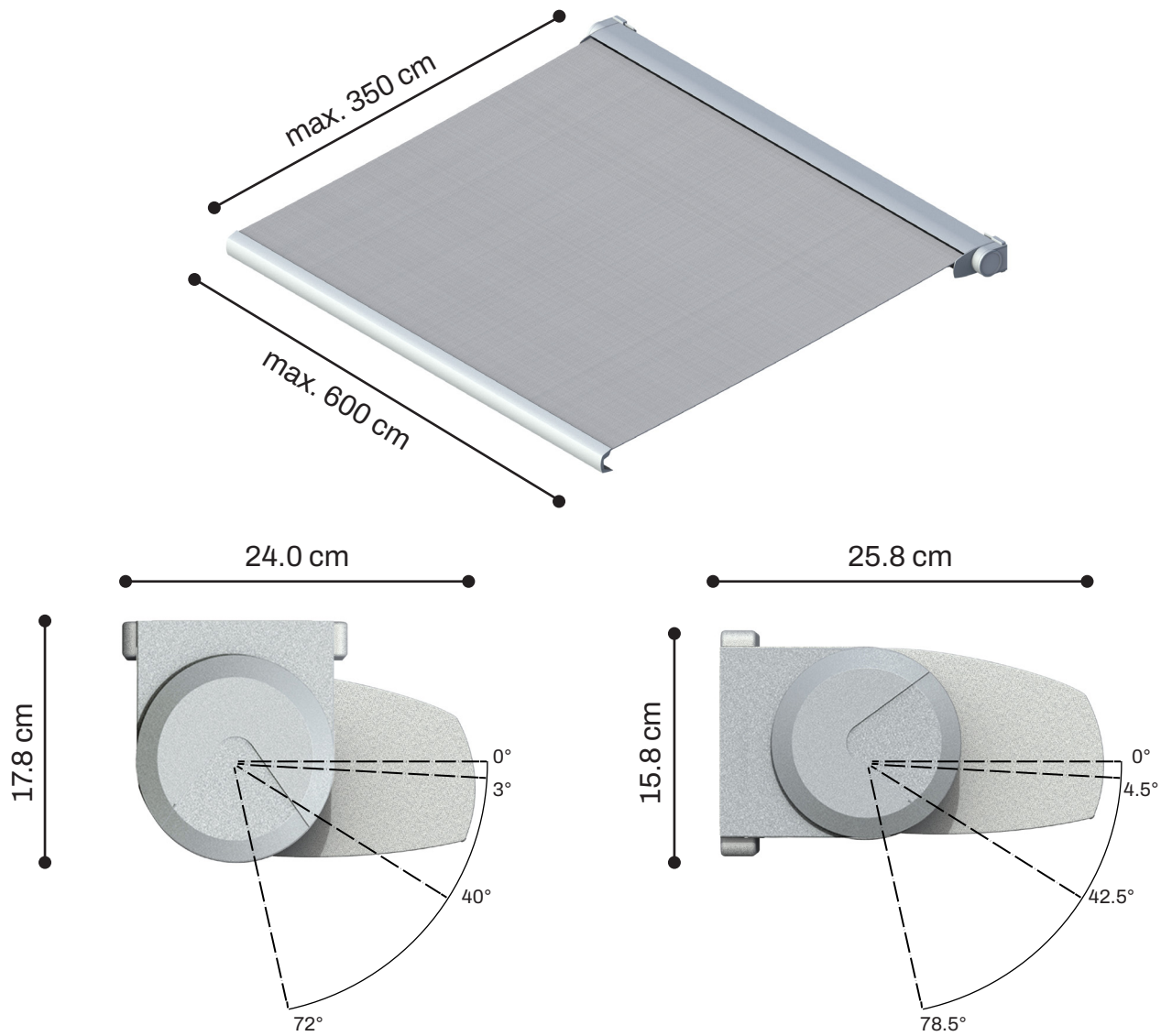






# Besano

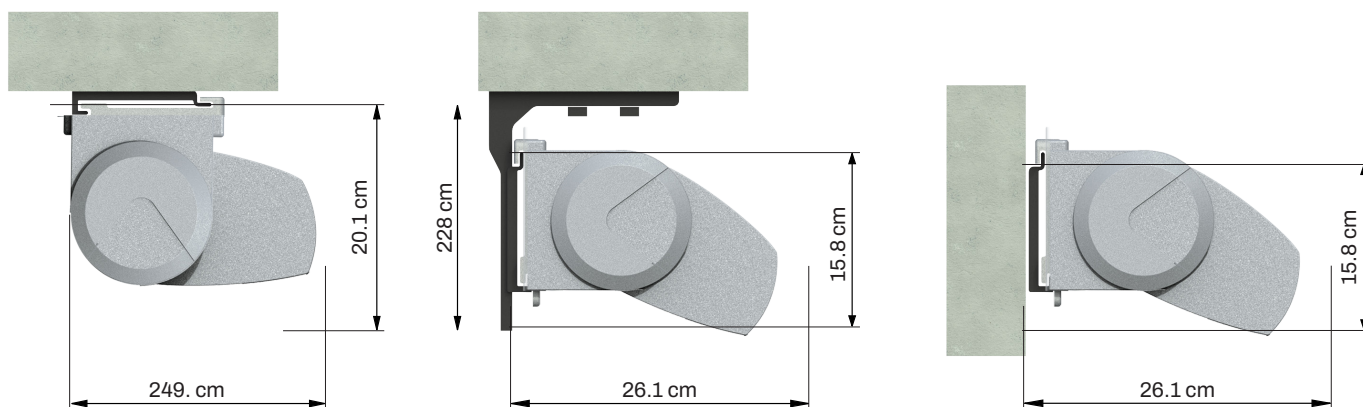
## Product dimensions



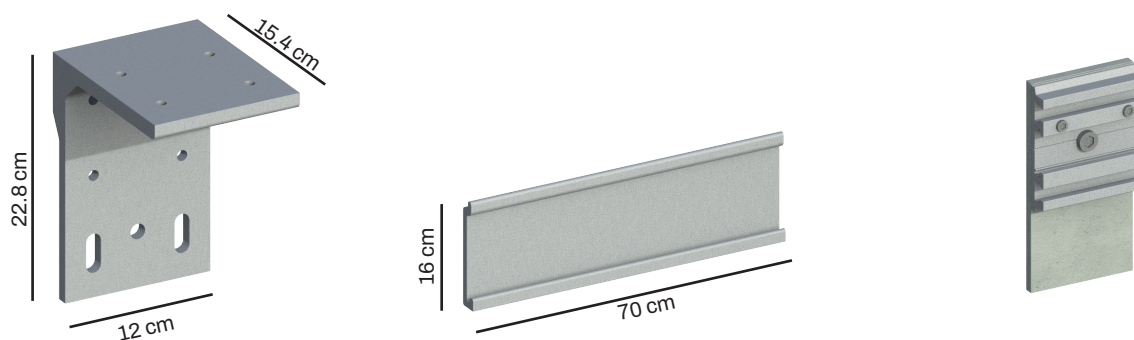
## Cassette colors

	RAL 7016 Anthracite
	RAL 9016 White
	RAL 9006 Bright Aluminium
	RAL 9001 Cream
	RAL Other

## Product dimensions and fixing

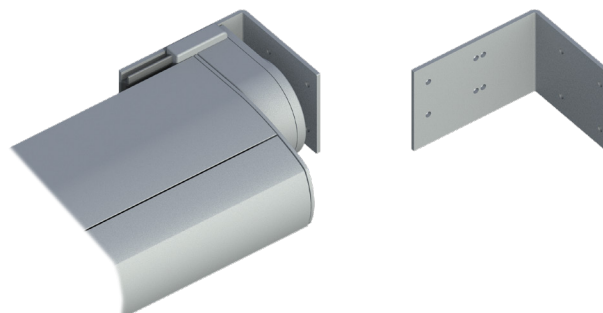
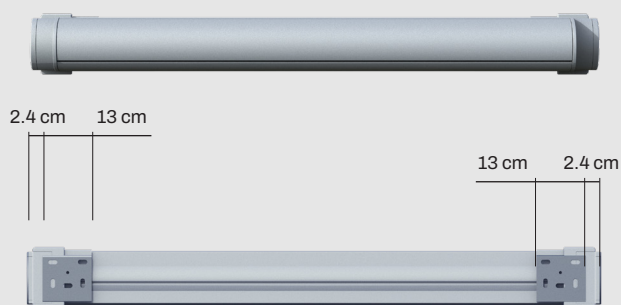


## Mounting brackets



## Mounting margins

## Installation between the walls







# Solarbreaker

## - Why us?

Solar powered



Design

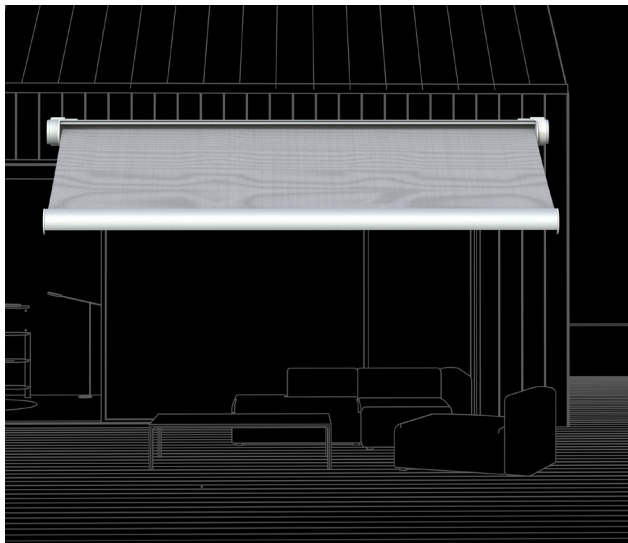


International awards



## Solar powered

We use our expertise in the production of micro photovoltaic panels to offer the world's first shutter solution equipped with a customized photovoltaic panel. The panel, unlike currently used solutions, covers the entire surface of the cassette, creating an aesthetic tailor-made solution. The number of photovoltaic cells is adjusted to the capacious battery integrated in the cassette. All components, such as the battery charge management system, radio communication system and batteries are positioned in a way that makes them invisible to the user, and at the same time allows for easy disassembly and replacement.



## International awards

We are proud that our products have won many international awards. We make every effort to ensure that all our products are of the highest quality. Our efforts have been recognized by international jury in competitions such as Reddot design award, IF design award or A'design award.

## Design

We pay special attention to the appearance of our products. The solutions we provide are products that will serve for many years, so it is extremely important that their design is harmonious, timeless and suited to modern buildings.



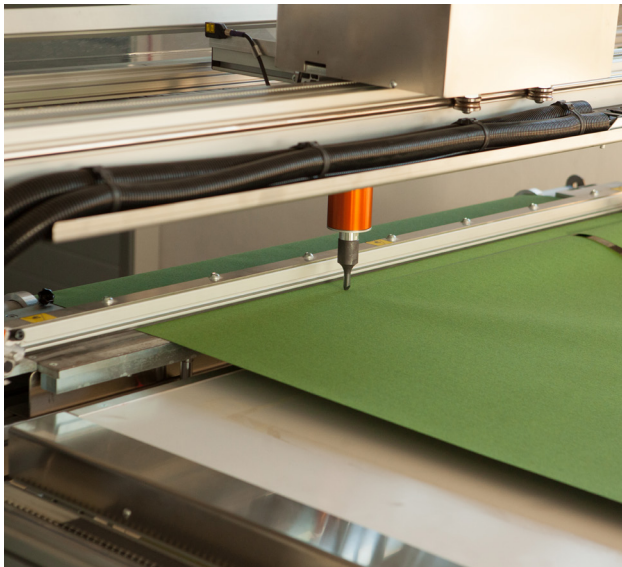
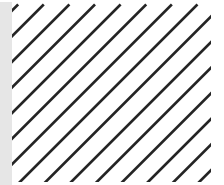
reddot  
winner 2020





## Automated production process - quality and repeatability

A modern production plant is equipped with automatic devices for processing fabrics and profiles.

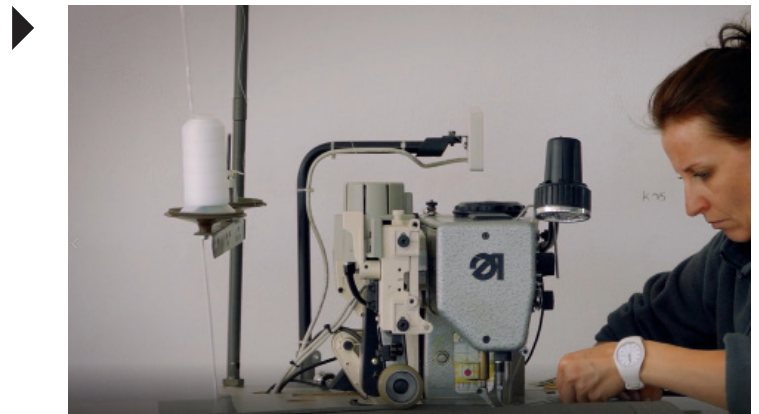


### ◀ Multifunctional fabric cutting plotters

In production, we use two high-performance plotters that allow us to process fabrics into any shape. SMRE SM-400-TA automatic cutting machine with ultrasonic and electric rotary knife is designed for cutting awning fabrics with high accuracy. SMRE SM-375-TA multiple tool static bed cutting plotter for technical fabrics with a working surface of 8x4 meters uses such technologies as a circular knife, drag knife, ultrasonic knife or laser.

### High-precision devices for sewing awning fabrics

Uni-3 sewing machine with Durkopp Adler 867 head and Durkopp Adler sewing machine ensure a secure and even stitch, thanks to which the fabrics do not wrinkle and retain their properties for a long time.



### ◀ Precise fabric welding equipment for ZIP and SCREEN systems

Thanks to the use of machines for welding fabrics in two technologies - high frequency (Balacchi High Frequency welding machine) and hot air (SMRE SM-16-SA hot air welding machine), we gain great freedom in welding fabrics and perfect and durable welds.

## A modern powder paint shop

Powder coating plant with a 3-stage automatic washer, equipped with a Proton II V applicator, an oil furnace with circulation and a circulation dryer, allowing for painting profiles up to 6 meters in length.



## Numerous profile processing stations

Cutting saws, column drills, automatic machines for processing profiles by Emmegi - thanks to this, each cassette fits perfectly and the holes are precisely drilled



## Production management system

In production, we have implemented a system that minimizes the time from ordering the product to starting production. We provide our clients with an intuitive configurator that allows you to define the order and minimize the risk of errors. After the with one click, the order goes to production. The customer has the ability to track the order throughout the production process - he is also informed on an ongoing basis about changes in the order status - from acceptance for production, through quality control, to shipment.



## Quality Control

All our products undergo rigorous quality control at every stage of production. The components that go to the warehouse are assessed, and the quality of the component product is assessed at each stage of production. New products and components that we introduce to our offer are checked in terms of their durability, quality and repeatability.



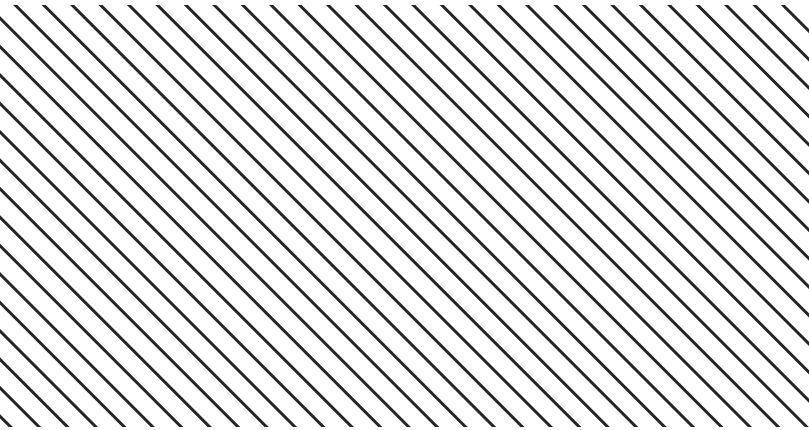


# Our realizations





# **solarbreaker**



**solarbreaker.com**  
**sales@solarbreaker.com**