



**ULTIMATE
OUTDOOR
SOLUTIONS**



SCHILDR



ABOUT SCHILDR

Schildr offers the best solutions to utilize your outdoor space all year round. Our wide range of innovative products can be tailored to your specific needs to create an aesthetically pleasing landscape. We lead by example through quality, design, and functionality.

"It's definitely unique. I've never seen anything like it before"

- Andy Spiler, Commack Fire Department

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PERGOLA

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GUILLOTINE

PERGOLA Retractable Awning | Motorized and Manual

We offer an aesthetic solution to outdoor problems with our retractable pergola systems. Our Pergolas allow you to have the freedom to create whatever environment you want when outside. Our systems come with every amenity you can think of so you don't have to. We use an aluminum structure that can withstand many different weather conditions, and doubles as a gutter and drainage pipe. We bring together the top materials and technology so we can help you make use of your outdoor space all year round. All of our pergolas are water-resistant, fire retardant, waterproof, remote-controlled and have custom finishes. They also come with optional dimmable LED lights built-in.



All Seasons



Resists bad weather



Fire retardant



Complete blackout



Watertight



Dimmable LED lights



Remote controlled



Custom finishes

Applications

Patio, Deck, Porch, Balcony, Terrace, Pool, Sukkah, Restaurant, Hotel, Rooftop

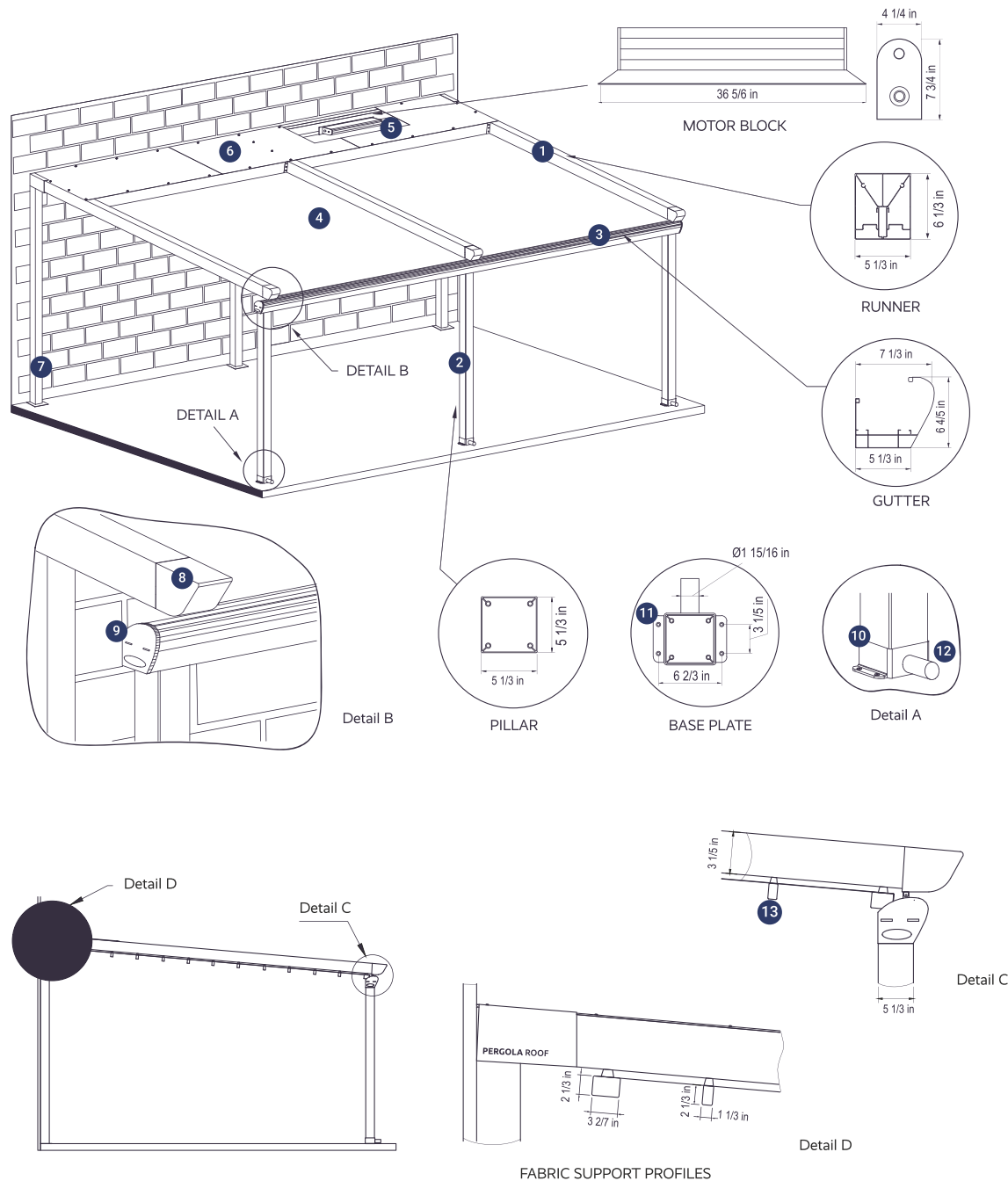
Available in freestanding or wall-mounted versions.



Pergola



Design Specs



1. Unibody aluminum press casting runner beam
2. Aluminum column (3 mm thick)
3. Double-skinned aluminum stream gutter
4. Fire retardant and waterproof retractable ceiling fabric with 3 layered complete blackout by Sergi Ferrari
5. The opening / closing movement of the roof cover is motorized with remote control by Somfy
6. Motor and fabric cover panel
7. Rear legs may be eliminated when directly installed to the wall
8. Die cast aluminum beam end cap
9. Plastic injected stream gutter side cap
10. Aluminum die casting attachment flange
11. M18 hex nut
12. Water dissent
13. Rail profile with integrated LED lighting





Pergola





Pergola





Pergola

Materials

FABRIC / COMPOSITE

Soltis Flexlight 602 by Serge Ferrari is a highly durable, dimensionally stable material with a 5 year warranty.

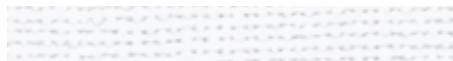


Flexlight 602

Technical properties

Standards

Yarn	1100 dtex PES HT	1100 dtex PES HT	
Finish	Varnish both sides	Varnish both sides	
Weight	19.1 oz/yd ²	22 oz/yd ²	EN ISO 2286-2
Width	105.1	62 in: 109.3 yds 98.4 & 105.1 in: 54.6/328 yds	
Standard length	54.6 yds/328 yds		
Tensile strength (warp/weft)	250/250 daN/5 cm		EN ISO 1421
Tear strength (warp/weft)	25/25 daN/5 cm		DIN 53.363
Adhesion	9/9 daN/5 cm		EN ISO 2411
Flame retardancy	Method 2/NFPA 701 • CSFM T19 • ASTM E662 • B1/DIN 4102-1 • M2/NFP 92-507 • Euroclass EN ISO 13501-1 • CAN / ULC S109-2014 (pending)		
Extreme working temperatures	-31°F / +158°F		In static position, internal test



White



Gray



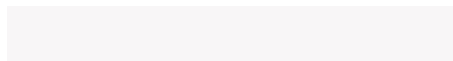
Cream

STRUCTURE

Technical properties

Standards

Metal	11 gauge aluminum	
Finish	PE58 Qualicoat approved thermosetting powder coatings	
Weight	4 psf	
Width	16' span max. (no limit on number of sections)	
Projection	32' max. (single runner beam)	
Wind resistance	130 mph (vinyl canopy retracted closed)	
Tensile strength Rm (N/mm2)	245 (min.)	TS EN ISO 6892-1
Yield point Rp 0,2 (N/mm2)	200 (min.)	TS EN ISO 6892-1
Elongation A (%)	10 (min.)	TS EN ISO 6892-1



White 9016



Aluminum 9006



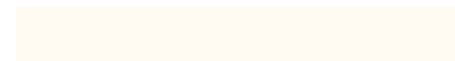
Jet Black 9005



Anthracite 7016



Dark Bronze 8014



Cream 9001



MOTOR

Altus® is suitable for pre- and post-construction opportunities and can be controlled with any Radio Technology Somfy accessory.



LT60 Altus RTS 6100R2

Technical properties

Voltage supply	120V AC, 60Hz / 220V AC, 50Hz
Limit switch type	Electronic RTS (remote controlled)
Torque	100 Nm (880 in. lbs.)
Rated current	3.8A
Speed	14 rpm
Sound level	≤ 67 dBA
Temperature working range	14°F to 104°F (-10°C to 40°C)



TELIS 4 and 16 RTS
hand-held remote extends control up to 4 and 16 different channels within 65 feet of range.



DECOFLEX WIREFREE™ RTS
is battery-powered and a completely wireless wall switch.

LIGHTS

SCHILDR pergolas come with optional built-in LED spot or tube lighting



Samsung Tube LED

Technical properties

Operating voltage	24V
Color temperature	3,000K
LED type	700 Lumen
Protection class	IP 68
Body color	Off-white
Life	50,000 Hrs
Operating temperature	-30°C to 85°C
Dimensions	180 x 35 mm



Tube LED
embedded into aluminum rail profile



Phillips Spot LED

Technical properties

Operating voltage	90-265V AC 50-60Hz
Color temperature	3,000K
LED type	Phillips Lumileds Luxeon K2
Protection class	IP 68
Body color	Off-white
Life	50,000 Hrs
Operating temperature	-30°C to 85°C
Weight and Dimensions	190 gr, 58 x 108 mm



Spot LED
on aluminum rail profile

LOUVER

Louvered Roof | Motorized

High-end motorized louvered roof, made of an aluminum structure with insulated aluminum panels. Our louvered structure offers outstanding comfort in the cold and hot seasons. This structure is built to handle whatever mother nature chooses to throw at it. Can handle a great deal of snow and wind load.



All Seasons



Resists bad weather



Fire retardant



Complete blackout



Watertight



Dimmable LED lights



Remote controlled



Custom finishes



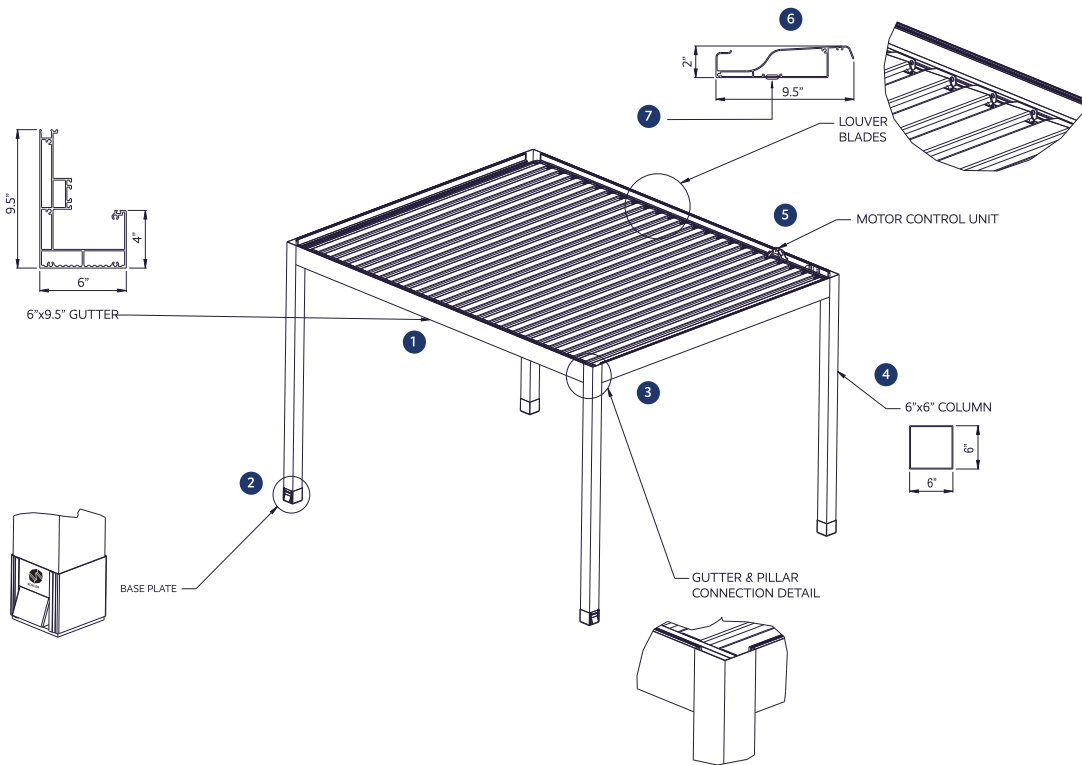
Built to last



Louver



Design Specs



1. Built-in gutter aluminum side profiles
2. Unibody aluminum press casting base plate
3. Gutter drainage through column
4. Aluminum column (3 mm thick)
5. The pivoting open / close movement of the louver blades is motorized with remote control
6. Louver blades pivot up to 110°, they can be filled polyurethane foam for insulation
7. Optional integrated LED lights



Free standing - closed



Free standing - open



Wall mounted - closed



Wall mounted - open





Louver





Louver





Louver







Louver









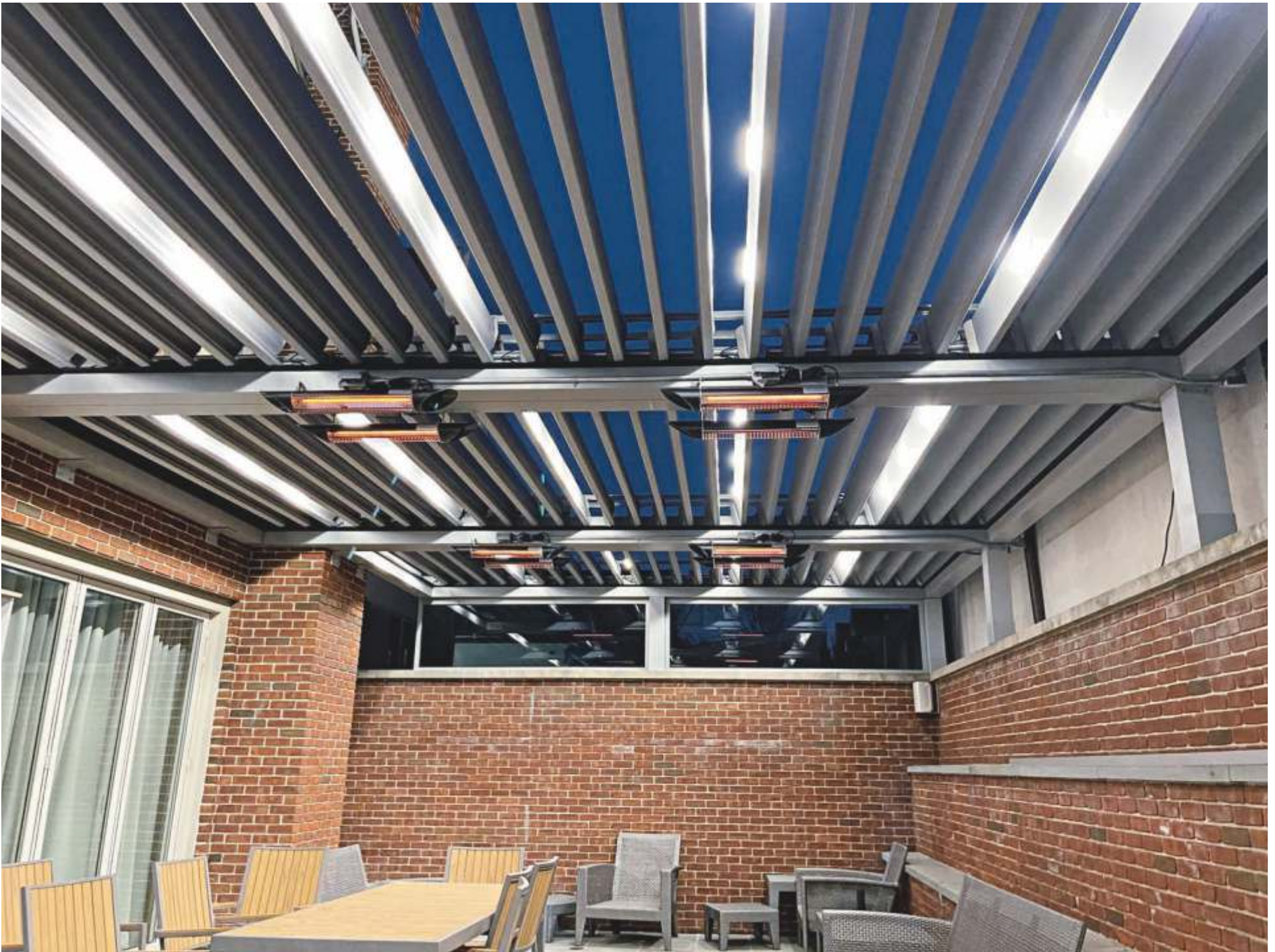
Louver





Louwer





Louver

SCREEN

Roll-up Shading | Motorized

We work to making your outdoor the best it can be. Without shades, you can create outdoor blinds that provide privacy and protection against sun, heat, wind, rain, and insects. This add on aesthetically complements Pergola Roof systems by fully enclosing your patio, balcony or terrace and retracts with remote control. It withstands strong winds, provides micro air circulation and water resistance. It is a wonderful addition to any of Pergola Roof outdoor systems.



All Seasons



Resists bad weather



Fire retardant



Semi translucent



Water repellent



Dimmable LED lights



Air circulation



Remote controlled



Custom finishes



Built to last







Materials

FABRIC / COMPOSITE

Thanks to Précontraint technology by Serge Ferrari, both Horizon 86 and Perform 92 have outstanding dimensional stability. They are environmentally friendly and recyclable.



Soltis Horizon 86 is a 14% open mesh composite that offers the best outward visibility with a level of up to 28% natural light transmission.

Soltis Horizon 86

Technical properties

Standards

Weight	11.2 oz/yd ²	EN ISO 2286-2
Thickness	0.45 mm / 450 microns	
Width	69.7 in - 105.1 in	EN ISO 2286-2
Standard format length	69.7" width: 54.68 yds 105.1" width: 43.74 yds	
Tensile strength (warp/weft)	230/160 daN/ 5 cm	EN ISO 1421
Tear strength (warp/weft)	45/20 daN	DIN 53.363
Flame retardancy	CSFM T19 • Method 1/NFPA 701 • Class A/ASTM E84	
Warranty	5 years	



White 86-2044



Champagne 86-2175



Boulder 86-2171



Anthracite 86-2047



Black 86-2053



Cocoa 86-2148



Beaten metal 86-2045



Bronze 86-2043

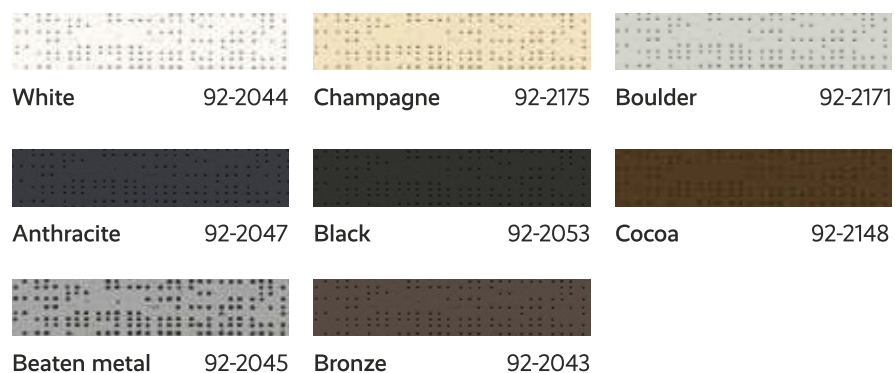
Soltis Perform 92 is a 4% open mesh and an advanced thermal shield. It blocks up to 97% of heat in external window applications.

This micro-perforated screen offers the best thermal performance while maintaining outward visibility.

Soltis Horizon 92

Technical properties

Weight	12.4 oz/yd ²
Thickness	0.45 mm / 450 microns
Width	69.7 in - 105.1 in
Standard format length	69.7" width: 54.68 yds 105.1" width: 43.74 yds
Tensile strength (warp/weft)	310/210 daN/ 5 cm
Tear strength (warp/weft)	45/20 daN
Flame retardancy	Method 1/ NFPA 701 • CSFM T19 • Class A/ ASTM E84
Warranty	5 years

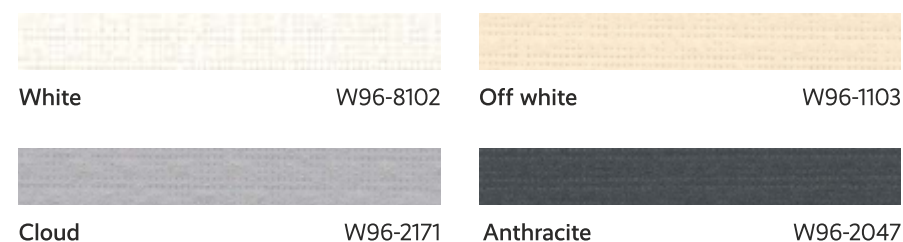


Soltis Proof W96 protects against UV and bad weather, while preserving the level of natural light transmitted. This translucent, waterproof fabric is ideal for pergolas and shade canopies.

Soltis Proof W96

Technical properties

Weight	620 g/m ² — 18.3 oz/sqyd
Thickness	0.56 mm / 560 microns
Width	267 cm — 105.1 in.
Standard format length	35 lm — 38.27 yds
Tensile strength (warp/weft)	220/220 daN/5 cm
Tear strength (warp/weft)	25/20 daN
Flame retardancy	M2
Warranty	5 years



SUNROOM Retractable Glass Canopy | Motorized

Expand your space and create another room for your restaurant or home where you can see the beauty of every season through the glass of your Sunroom. The glass roof can be stationary or retractable. The Sunroom is a watertight system that can protect you from harsh weather. Pergola Roof Sunroom offers a few different types of glass, such as; tempered, laminated and glazed glass panels, all provide Low-E emitting sunlight that helps keep the temperature cozy and comfortable.



All Seasons



Resists bad weather



Fire retardant



Semi translucent



Dimmable LED lights



Remote controlled



Custom finishes



Built to last

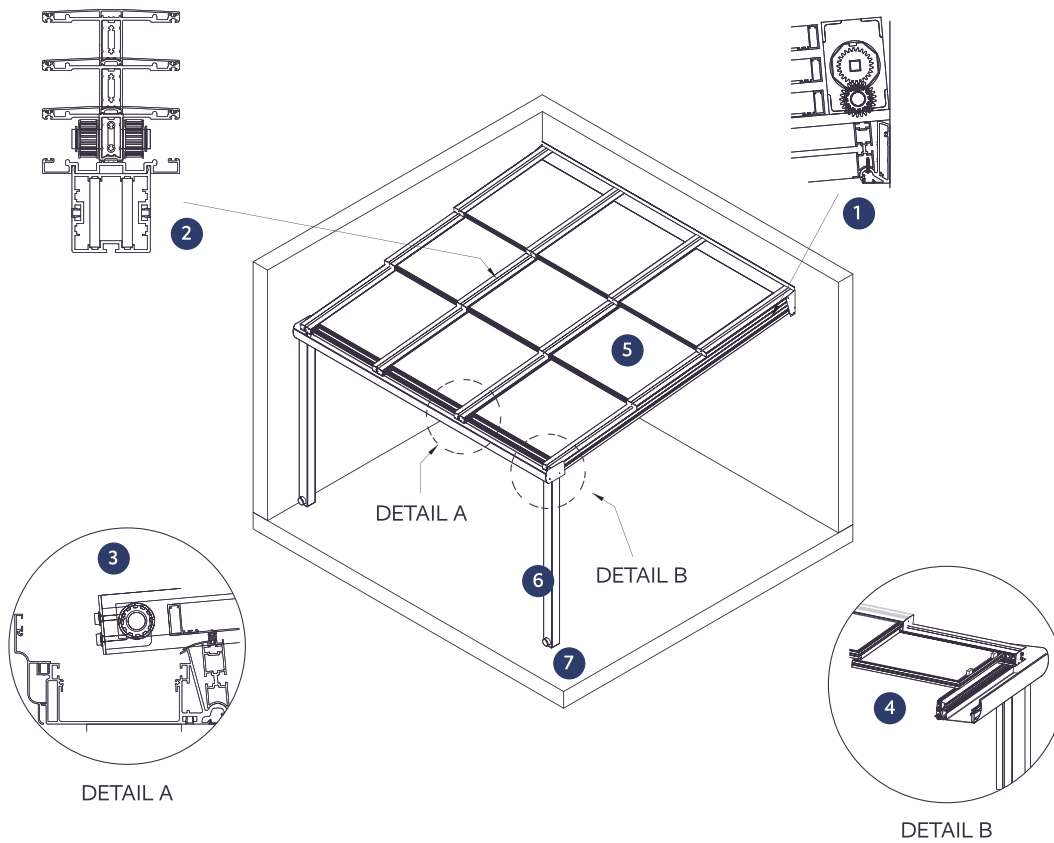
Applications

Rooftop, Conservatory, Greenery, Terrace, Pool



Sunroom

Design Specs



1. Motor housing profile
2. Runner beam with chain mechanism
3. Runner beam and gutter connection
4. Built-in gutter
5. Laminated tempered double glazed glass or polycarbonate
6. Column, also part of gutter system
7. Water discharge opening

ANCHORED



Open

Semi-open

Closed

FREESTANDING



Open

Semi-open

Closed



Sunroom





Sunroom

GUILLOTINE

Sash Window/Door | Motorized

Our unique vertically sliding glass system provides a panoramic view with the push of a button by retracting glass panels. Depending if you want a barrier or walk through the glass can either stack at the bottom or the top. Our Guillotine provides wonderful solutions for restaurants to make sure to utilize their outdoor space all year or for a residence who are trying to decide between a glass door or a glass wall.



All Seasons



Resists bad weather



Fire retardant



Water repellent



Remote controlled



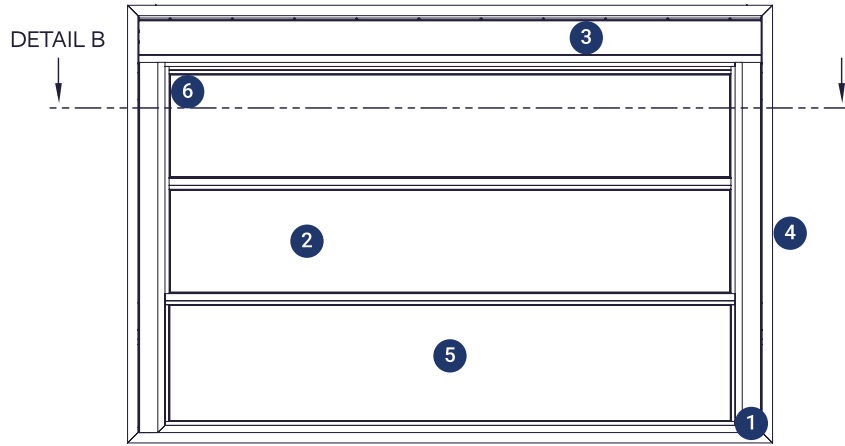
Custom finishes

Applications

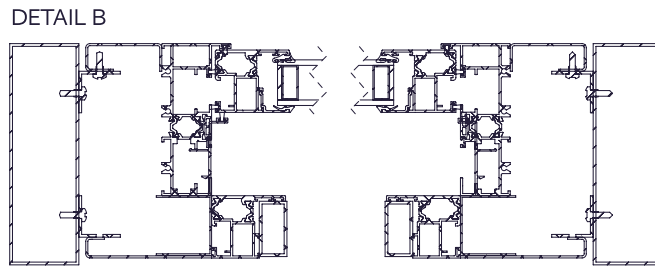
Patio, Deck, Porch, Balcony, Terrace, Veranda, Garden, Room Partition, Parapet, Restaurant, Hotel, and Rooftop



Design Specs



1. All aluminum insulated frame with thermal breaks
2. Tempered low E double glazed or single pane glass
3. Motor housing
4. Mounted from the sides
5. Bottom sash that is stationary can be used as guard rail
6. Photocell safety sensors



2 PANEL WINDOW



Open

Semi-open

Closed

3 PANEL WINDOW



Open

Semi-open

Closed







