

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

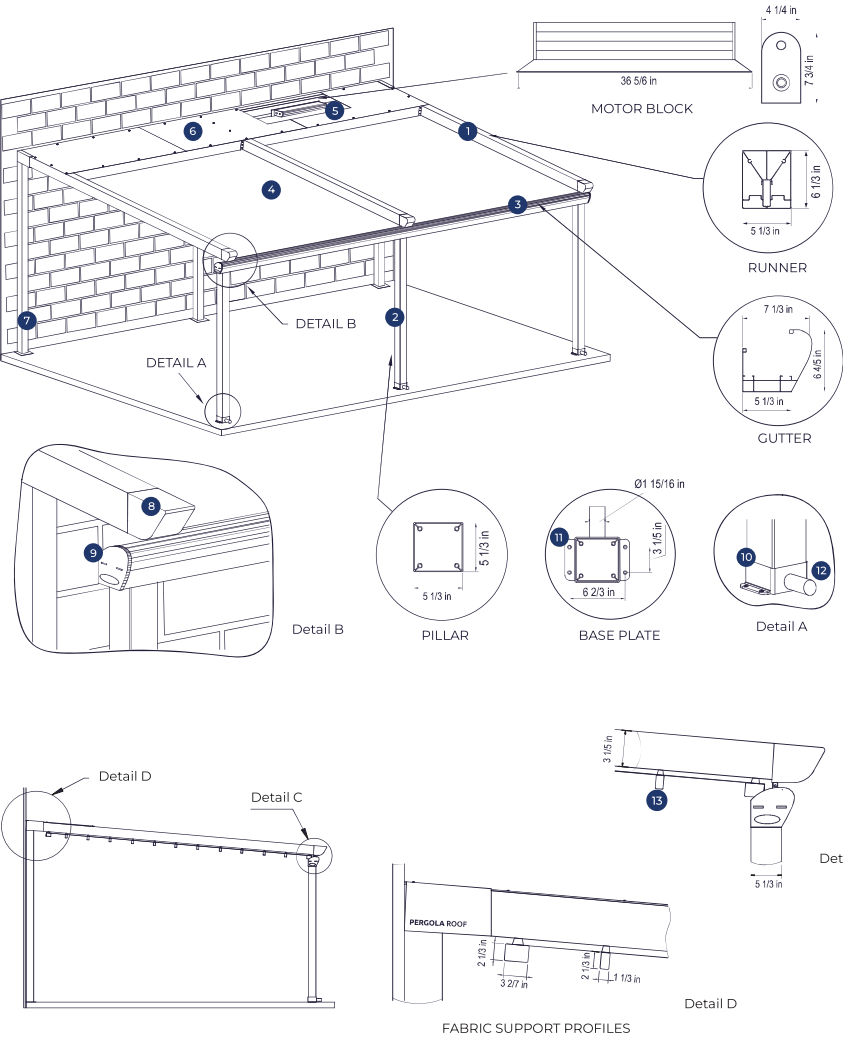
Available in freestanding or wall-mounted versions.



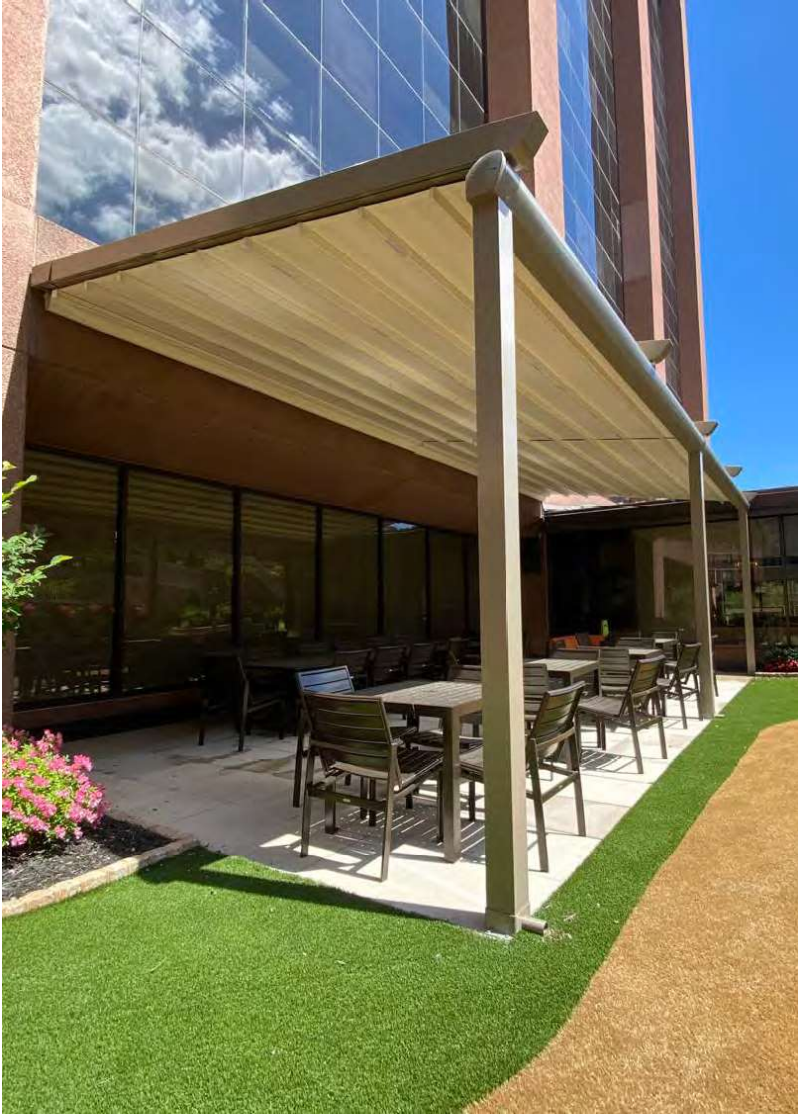
Pergola



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







Materials

FABRIC / COMPOSITE

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

Serge Ferrari			
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/yd2	22 oz/yd2	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	Aluminum	Jet Black
9016	9006	9005
Anthracite	Dark Bronze	Cream
7016	8014	9001



MOTOR

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

somfy 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 WIREFREETM RTS is battery-powered and a completely wireless wall switch.

LIGHTS

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

SAMSUNG 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
Dimenions	180 x 35 mm



Tube LED embedded into aluminum rail profile

PHILIPS 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 Dimenions	190 gr, 58 x 108 mm



Spot LED on aluminum rail profile