# **Model:** TECNIC ONE Pergola®

Revised 02/21/2020

Praik	
-	

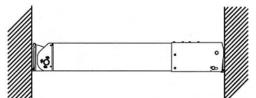
Application	Maximum Width	Maximum Projection	Options
Existing structure mounted Commercial & Residential	5m /16' 5" Type 1 9m / 29' 6" Type 2 13m/42' 7" Type 3	9.0 meters / 29' 6" proj.	Undercover, LEDS, Heaters, Hood,

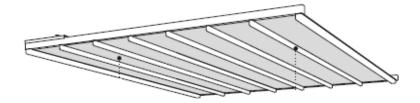
#### **PRODUCT FEATURES:**

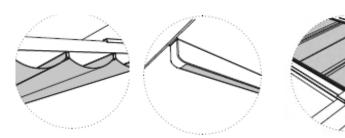
- Retractable fabric roof pergola.
- Standard Pergola system mounted to existing structure or between walls.
- Suitable for larger sized structures or areas.
- Ideal for flat installation with water drainage to sides.
- Multiple units can be mounted side by side to create larger width.
- All aluminum frame powder coated.
- Manually operated smaller sizes.
- Motorized all sizes and required on larger sizes.
- Powered with a Somfy Motor.



ARCHITECTURAL STRUCTURES







# **TECNIC ONE: Commercial Installations**





# **TECNIC ONE: Residential Installations**



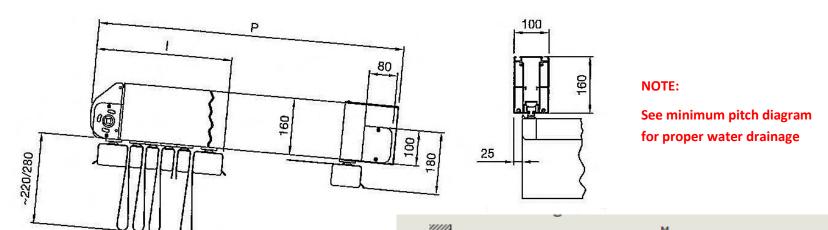


Tecnic One above shown with custom framework added.





# **TECNIC ONE Pergola® Technical information**



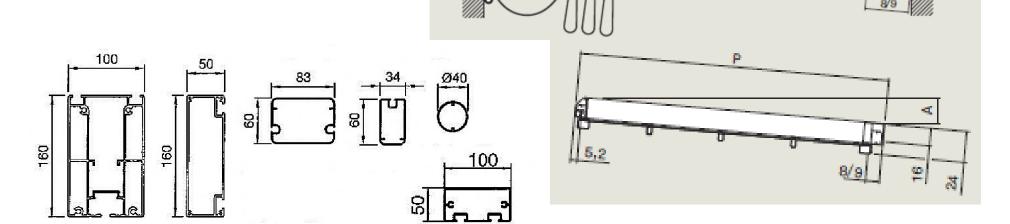
#### **Dimensions:**

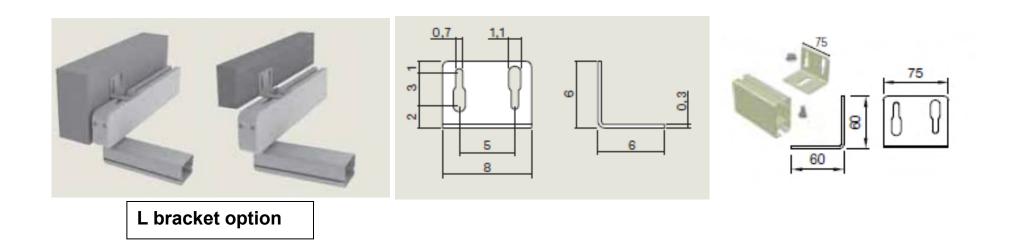
I = Dimension when awning is retracted

A = Awning slope

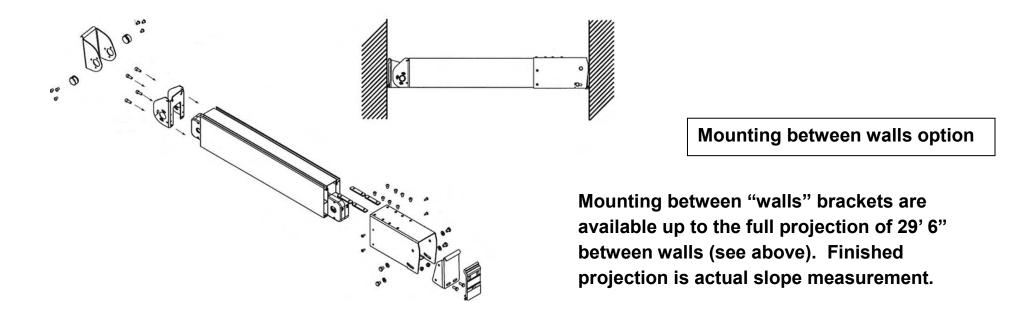
M = Actual Projection from wall

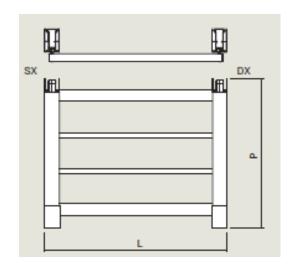
P = Actual Projection





If mounting the guide profiles to a wood trellis or steel beam, special "L" brackets are spaced out evenly about every 6 ft. on each guide profile.

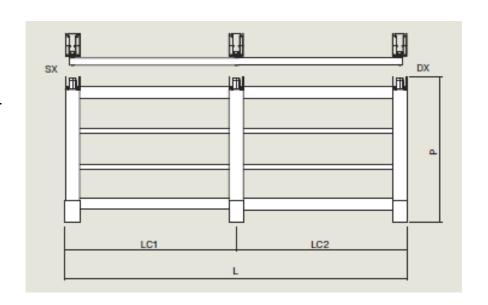




Minimum width motorized:

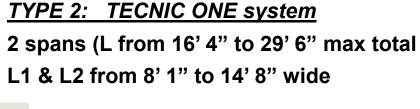
120 cm wide = 47.5" wide

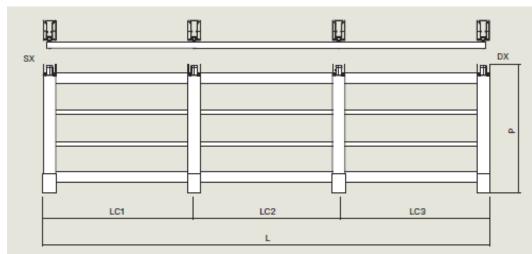
as a type 1 system



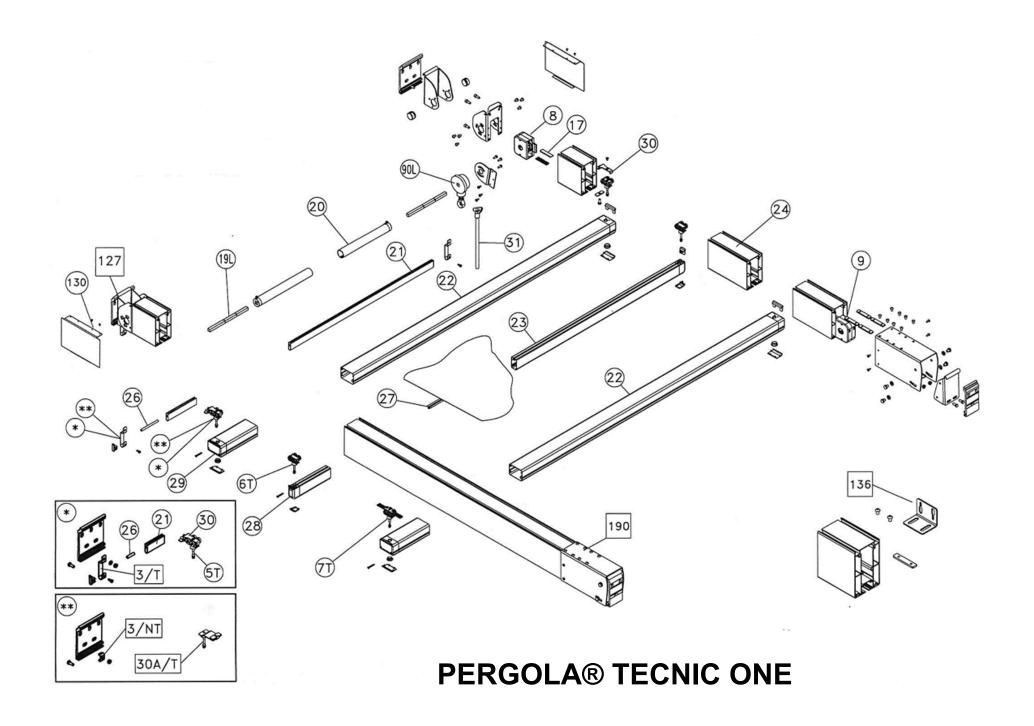
TYPE 1: TECNIC ONE system

L = from 8' 1" to max 16' 5" wide





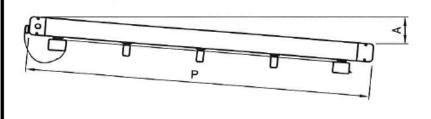
TYPE 3: TECNIC ONE system
3 spans (L from 27' 10" to 42' 6")
L1, L2 & L3 from 9' 10" to 14' 1" wide

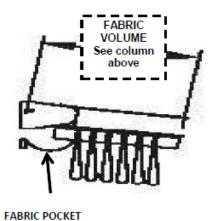


# THE BELOW CHART REPRESENT THE IDEAL SLOPE ON THE "ONE" UNIT WITH TAUT FABRIC FOR PROPER WATER DRAINAGE

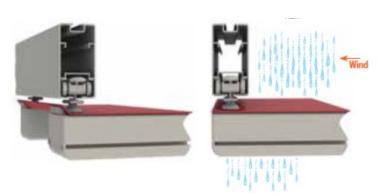
# SEE OTHER OPTIONS FOR WATER DRAINAGE ON FLAT UNITS IN PRICELIST Does not apply to Reverse model

	DROP "A" IN CM/INCHES								FABRIC					
		5M -2"		0M 10"		5M  -5"		0M '-1"		5M '-9"		0M '-5"	OF FABRIC FOLDS	VOLUME RETRACTED
PROJECTION "P"	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	СМ	INCHES	CM	INCHES	FOLDS	W/POCKET
2.0M (6'-6")	19	8	23	10	27	11	29	12	30	12	30	12	3	18"
2.5M (8'-2")	24	10	29	12	34	14	37	15	38	15	38	15	4	19 3/4"
3.0M (9"-10")	29	12	35	14	41	17	44	18	45	18	45	18	5	21 3/4"
3.5M (11'-5")	34	14	41	17	48	19	51	21	53	21	53	21	6	23 1/2"
4.0M (13'-1")	38	15	46	19	54	22	58	23	60	24	60	24	7	25 1/4"
4.5M (14'-9")	43	17	52	21	61	25	66	26	68	27	68	27	8	27 1/8"
5.0M (16'-5")	48	19	58	23	68	27	73	29	75	30	75	30	9	29 1/8"
5.5M (18')	53	21	64	26	75	30	80	32	83	33	83	33	10	30 3/4"
6.0M (19'-8")	57	23	69	28	81	32	87	35	90	36	90	36	11	32 3/4"
6.5M (21'-4")	62	25	75	30	88	35	95	38	98	39	98	39	12	34 3/4"
7.0M (22'-11")	67	27	81	32	95	38	102	41	105	42	105	42	13	36 3/4"
7.5M (24'-7")	72	29	87	35	102	41	109	43	113	45	113	45	14	38 1/4"
8.0M (26'-2")	76	30	92	37	108	43	116	46	120	48	120	48	15	40 1/8"
8.5M (27'-11")	81	32	98	39	115	46	124	49	128	51	128	51	16	42 1/8"
9.0M (29'-6")	86	34	104	41	122	49	131	52	135	54	135	54	17	44 1/8"





#### PRATIC PERGOLA® FEATURES AND PATENTS





NOTE: Features will depend on Pergola model chosen.





The patented drip catcher keeps water from flowing off the sides when the wind is pushing water sideways. Instead the water will flow off the front or into the gutter (Traditional Pergola models only).







The patented click system allows for easy and safe installation of the fabric and fabric ribs to the frame carriages using an easy click and lock system. This patented safety box for the motor installs on the frame with an extra mounting profile. This feature keeps the fabric perfectly straight even in temperature variations. The device makes operating easy and quieter and also stops the motor from operating in case of excessive force. The box is ideally suited for Somfy RTS Altus motors with remote controls (Traditional Pergola models only).





#### STANDARD FRAME COLORS FOR ALL PERGOLA MODELS:

NOTE: Optional for OPERA, VISION and BRERA is to have Structure and louvers in two different colors.





CORTEN Coarse



IRON GREY
Coarse

**OPTIONAL** 



FULL RAL COLOR RANGE / EXTRA COST

NOTE: These eight (8) colors are "super durables" which offer better durability compared with standard polyesters powders.



NOTE: ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES

#### OPTIONAL FRAME COLORS FOR THESE PERGOLA MODELS:

Level, Mito, Tecnic & Tecnic One



NOTE: All these colors except Green Ral 6005 and Desert Sand / Ivory are "super durables" which offer better durability compared with standard polyesters powders.

NOTE: ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES

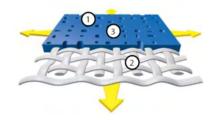
#### STANDARD PERGOLA FABRIC COLORS

#### 602 FLEX LIGHT CLASSIC / OPAQUE COLORS











The Precontraint 602 fabric from Ferrari offers excellent dimensional stability with minimal stretching and exceptional dirt resistance thanks to a PVDF topcoat on both sides. The fabric is therefore perfect for use on retractable Pergola® roof awnings. The fabric is 22.1 oz/sq yard with a Glossy finish. The two standard opaque colors above are the most commonly used and is standard on all Pergola® awnings. The two above colors are opaque and do not allow light to go through the fabric. The 602 is also available standard in the 10 each translucent colors below allowing some light to go though. Fabrics are Fire Retardant and certificate is available. Note: Translucent 602 colors below are only available on Pergola models made by Sunair® in Jessup, MD (USA made models).

#### OPTIONAL 602 FLEX LIGHT CLASSIC / TRANSLUCENT COLORS



#### OPTIONAL PERGOLA & SCREEN FABRIC COLORS

#### **502 PROOF SOLTIS / OPAQUE SATIN FINISH COLORS**

The Precontraint 502 fabric from Ferrari also offers excellent dimensional stability with minimal stretching and exceptional dirt resistance thanks to a PVDF topcoat on both sides. The fabric is therefore perfect for use on retractable Pergola® roof awnings. The fabric is 16.8 oz/sq. yard with a satin finish. Fabrics are fire retardant and certificate is available.





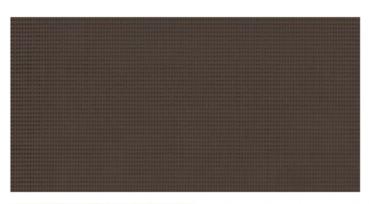


# **Soltis**Horizon 86

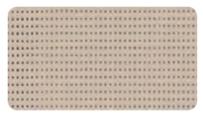
# Serge Ferrari

14 % Open Screen Mesh





86-2043 Bronze



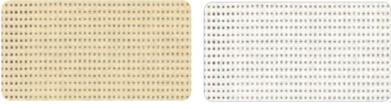
86 – 2135

Sandy Beige



86 - 2053

Black



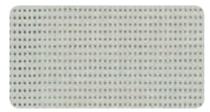
86 – 2175 Champagne 86 – 2044

White



86 - 2012

Pepper



86 - 2171

Boulder

#### Technical properties

Openess factor	14%
Weight	380 g/m² — 11.2 oz/sqyd
Thickness	0.45 mm — 450 microns
Width	177 cm - 267 cm — 69.7 in 105.1 in.

Superior elongation and tear resistance

No deformation during processing and use

Superior aesthetic and mechanical durability

Smooth finish easy to clean, space saving, easy rolling

#### **MOTORIZATION & AUTOMATION**



#### Note:

Opera and Vision Louvered systems uses a different Linak motor and remote.

The Sunair PERGOLA® program features SOMFY RTS motor with an integrated radio receiver that allows you to operate the awning or screen by remote control with a wall mounted or hand held remote and by a smart phone device.

With a simple click of a button on your remote, the awning or shade will extend, retract, lower or raise automatically.







1 through 16 channel wall mounted and hand held remotes are available













# **OUR FABRIC ROOF PERGOLA® MOTORS**



Sunair uses Somfy motors and controls for their Pergola awnings in the following range

Altus 535/550 Series: Nomo, Rialto, Type 1 & 2 standard Pergolas

Altus 550 Series: Brera P, S, and B Pergolas

**Altus 660 Series: Type 3 Traditional Pergolas** 

Note: Opera and Vision uses a different "Linak" motor

Note: Motor type 535/550 used will depend on the size and projection of the unit.

# All Somfy Motors are UL and CSA Recognized

 All SOMFY motors are UL Recognized and can be found under the following file numbers:

E60495, E60888, E63714





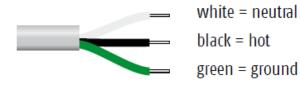




	ววบ	660
Torque	50 Nm	60 Nm (530 in. lbs.)
Nominal Voltage		120V / 60Hz
Rated Current	2.1A	2.5A
Speed	14 rpm	14 rpm

# Type of power cable



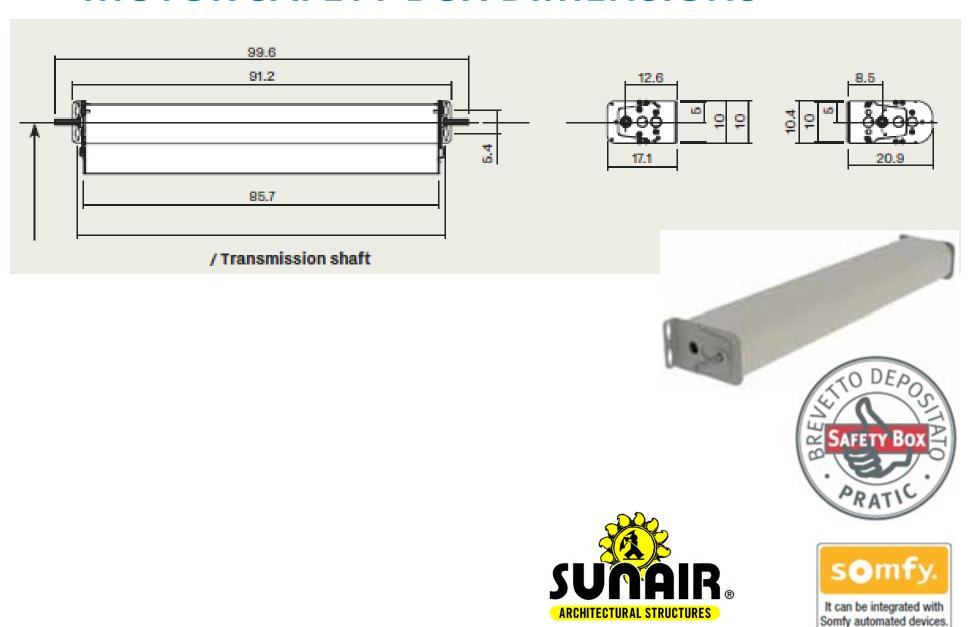




#### Radio Technology Somfy

Radio Technology Somfy® (RTS) allows wireless radio control of motorized applications via the RTS family of controls.

# **MOTOR SAFETY BOX DIMENSIONS**





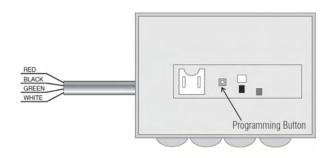
# SOLIRIS RTS 24V KIT Sun & Wind Sensor

The Soliris RTS Sun and Wind Sensor automatically controls your RTS motorized products based on current weather conditions.



# ONDEIS® WIREFREE Sun & Rain Sensor

The Rain Sensor is a solar-powered combined rain and sun sensor compatible with Radio Technology Somfy® motorized exterior products, including awnings and screens.



#### DRY CONTACT INPUT RTS TRANSMITTER

Dry Contact to RTS interface can be used to communicate between home automation or other third party systems like fire alarms to retract screens in an emergency. Can be interfaced with a physical switch.

The Somfy myLink™ is a simple device that turns your smartphone or tablet into a sophisticated remote control for motorized products featuring Radio Technology Somfy®, allowing you to operate them whether you're home or not. Combine all the benefits of Somfy's RTS hand-held remotes and timers in a convenient app.

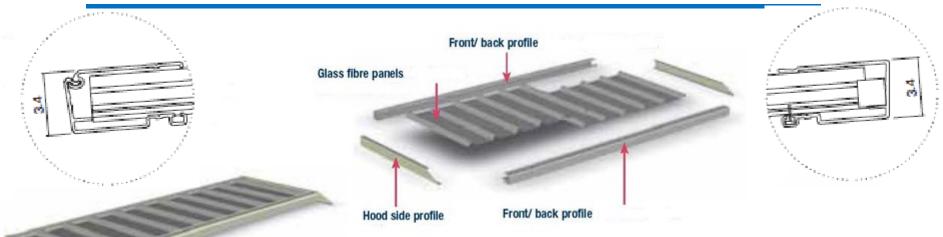








# **OTHER PERGOLA OPTIONS:**

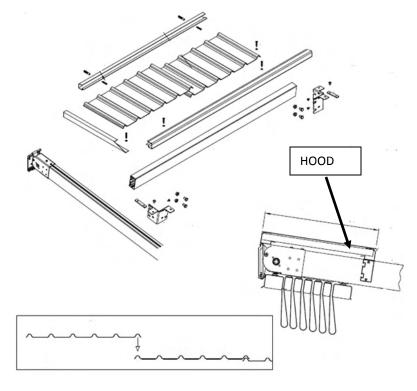


HOOD: Is available standard with fiberglass panels with a metal frame. The metal frame color typically matches the awning frame. Brown fiberglass panels are standard. White fiberglass panels are also available standard but subject to stock availability.

Optional: Aluminum painted metal panels / painted to match the pergola awning frame color and metal hood pieces.

NOTE: Above panels are not available for ZEN, NOMO, RIALTO, OPERA and VISION Pergolas.

# HOOD



#### STARLED "Classic" 130 cm / 51" White LED bars

For wall mounted Pergola awnings only (Not for Nomo, Rialto, Opera or Vision).



StarLed is the high efficiency led light that allows you to create an intimate, picturesque and bright room under the pergolas

- ✓ Led bar length 130 cm. 140 Led per m., 24 V, PW 14 W
- ✓ Opaline polycarbonate tube 15x15mm
- Closing caps
- ✓ Installation with screws and adhesive tape 3M
- ✓ Light colour @3000°K
- ✓ Light emission: @1050 lumen
- ✓ High efficiency, warm light Led. Lumen power ratio is very high, about @110lm/W
- On request with radio control.

Recommended # of lights: There is no fixed rule how many lights are recommended as it depends on how much light the customer needs. Typically three to four (3 to 4) lights is enough per section of each Pergola or per bay.

#### LED Soft / White Custom sized LED bars White

#### For wall mounted Pergola awnings

#### 5MM **ILUMA™** LIGHT STRIPS



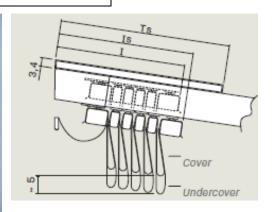
The soft white LED lighting strips are available up to 40 ft long (Maximum allowable amount of linear lighting per Somfy Lighting receiver). One Somfy lighting receiver #1811486 is needed per 40 ft. of linear LED lighting. Typically two to four (2 - 4) lighting bars are centered per each bay or section of Pergola. Multi Channel Telis remotes are needed for the LED lighting depending on how many lighting receivers are needed.



#### **UNDERCOVERS WALL MOUNTED PERGOLA® AWNINGS**







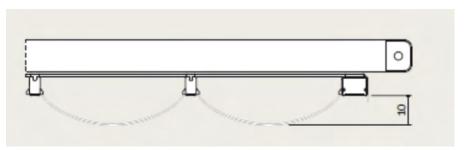
To create a nice atmospheres with wall Pergola® Awnings, it is possible to apply an "Undercover" installed under the ribs. Please note fabric will hang lower than top Vinyl cover. This undercover will be slightly narrower than the top cover by at least 4" / 10 cm per side to prevent water from going up along the PVC flap and wet the fabric of the under cover (Solid 60" fabric colors only).

#### **AVAILABLE FABRICS:**

Standard: Sunbrella 60" solid colors.

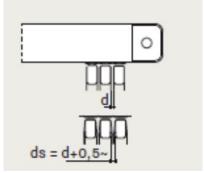
**Optional:** 

Fire retardant Sunbrella & Tempotest STAR 60" solid colors from range.

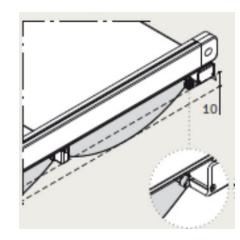


PLease note rib spacing will increase 6mm / 5/16" between each fold in the fabric.

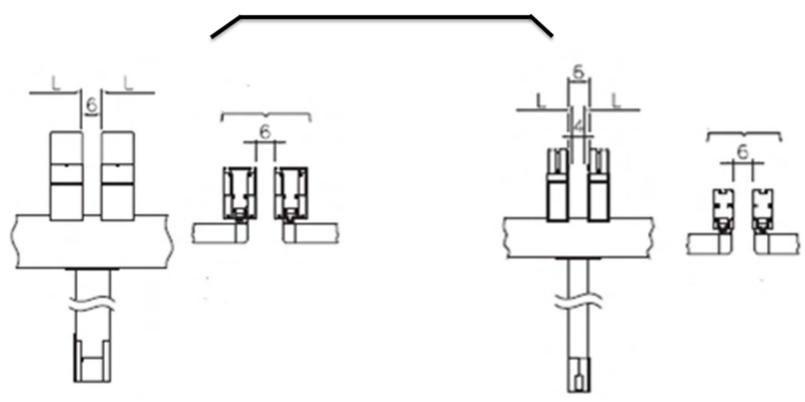




Note: Undercovers are installed with a "clip" system.



## **CAP BETWEEN WALL MOUNTED SYSTEMS**



#### MITO & TECNIC ONE

30.5 cm / 12" wide weather cap.

Deduct 6 cm between guide rails. ie a three (3) cm deduction off each unit at split in center.

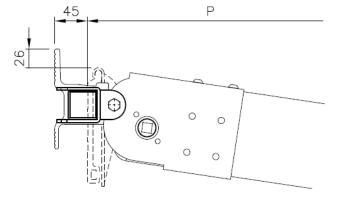
#### **LEVEL / TECNIC**

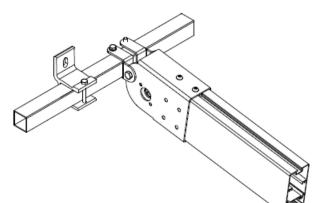
25 cm / 10" wide weather cap.

Deduct 6cm between guide rails / 4cm between L widths. ie a two (2) cm deduction off each units L dimension at split in center.

#### NOTE:

Caps available in 10ft / 3m sections. Powder coated to match the Pergola frame color. Calculate number of sections needed to cover the entire guide / projection to the gutter.





#### **MOUNTING ON SUPPORT TUBE**

Wall mounting the Level awning is possible using standard wall brackets and the 40 mm x 40 mm support tube. This support tube is the same as is commonly used for lateral arm awnings, using the same bracket system. The wall brackets can be positioned along the support tube to align with the wood or steel studs in the wall. Please inquire about additional cost for this upgrade.

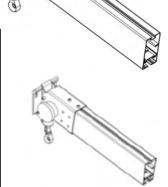
Note: This option is NOT available with very larger sized units. Please inquire with office.

#### **MANUAL UNITS GEAR MECHANISM**

(Some models)

Only small <u>TYPE 1</u> units may be manually operated up to a certain size (see below) Max size for any manual unit is 268 sq. ft. or 25 sq. mtr. Manual gear can be installed in two ways inside or outside the guide ( please inquire with Sunair).

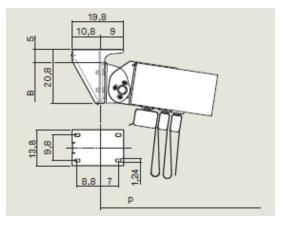
Note: Nomo, Rialto, Opera and Vision not available with manual operation.





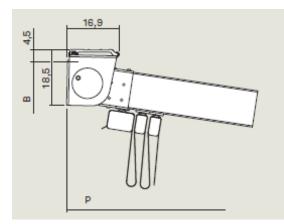
# **CEILING MOUNTING Optional:**

#### MITO, EVO, STIL, INFINITY



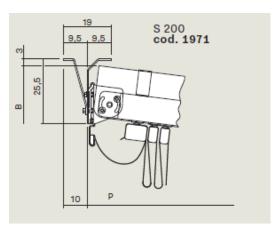


#### LEVEL



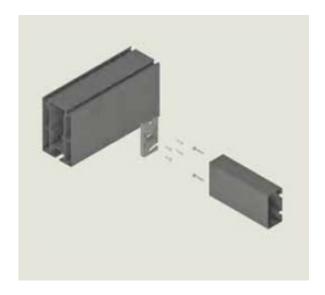


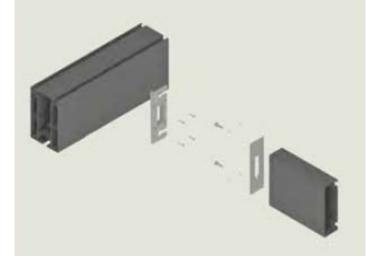
#### **WOOD PLUS**





## **EASY FAST Optional:**



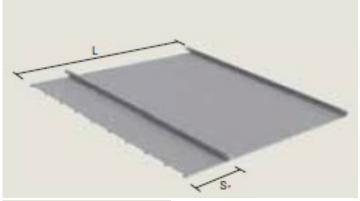


11 mm kit 5 x 10

15 mm kit 5 x 16

The EASY FAST is an optional alternative way to mount the motor or hood crossbar. It is also an easier way to add an additional cross bar later if needed.

#### Specialty shaped covers (Other Options)



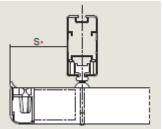


Overhang with gaps B:

**Triangular Overhang C:** 

\*Tri-

angular side Not available with



Side Overhang A:

Minimum 10 cm Maximum 100 cm

**Recessed guides & Fabric rib overhangs** 



\*With Tie rods max projection is 5m or 16' 5" projection. Must be bolted to structural wall

#### NOTE:

You must add an additional MOTOR BAR to the Pergola \$\$ cost at front to stabilize when using Tie Rods.

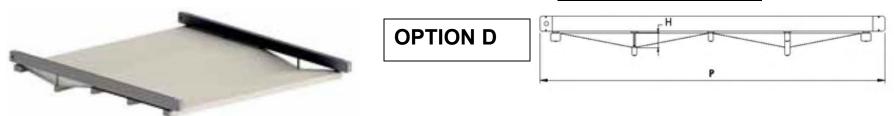


\*Rib alignment in case two systems mounted next to each other with different projections.

\* Note: Engineering and availability may change without notice

## "V" Cover water Drainage to Sides

#### FABRIC WATER DRAINAGE OPTIONS "D" "V" Alternating



OPTION D: "V" Cut alternating panels for Type 1 Pergola® only. Max width is 5 meters x 9 m projection

#### FABRIC WATER DRAINAGE OPTIONS "E" "V" Cut Side



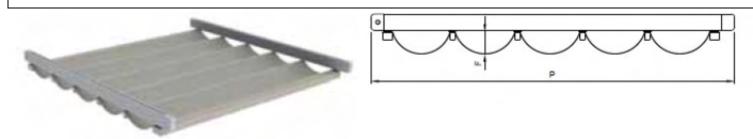
OPTION D: "V" Cut to one side only. For Type 1 Pergola® only. Max width 5 meter x 9 m projection.

### FABRIC WATER DRAINAGE OPTIONS "F" "V" Cut Type 2



OPTION F: "V" Cut to both sides. For Type 2 Pergolas only. Max width 7 meters x 9 m projection

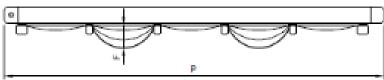
#### **SLACK FABRIC "A" OPTION FOR SUN PROTECTION ONLY**



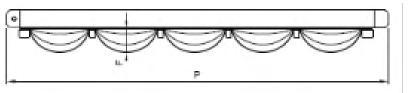
You can also choose slack fabric option "A" on each panel. This option is for sun protection only and will not offer any water drainage. Acrylic fabric is available with this option.

# **Loose Cover with water Drainage to Sides**





**OPTION B:** Alternating panel slack on both



**OPTION C:** Panels slack on one side only

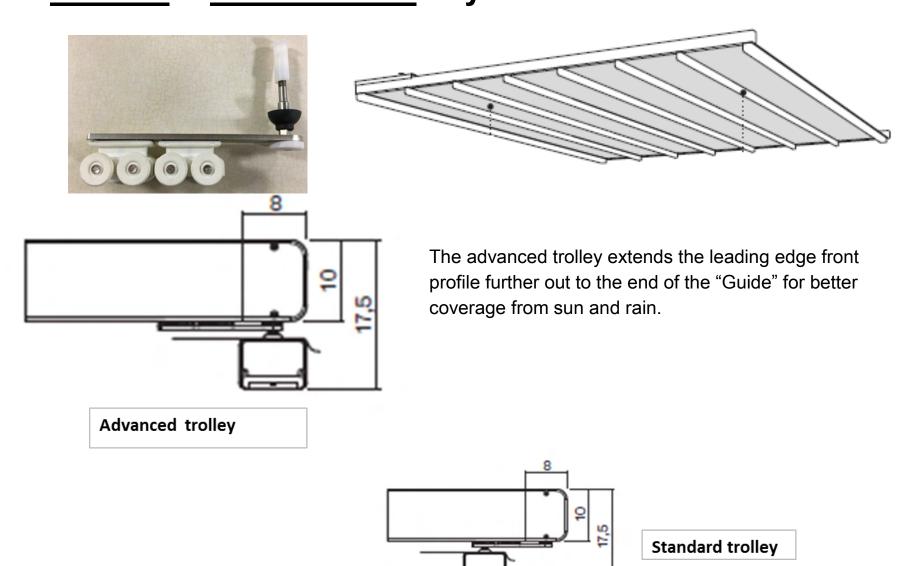




#### HEATERS COSY SERIES 1500 AW Sleek, Low clearance, infrared

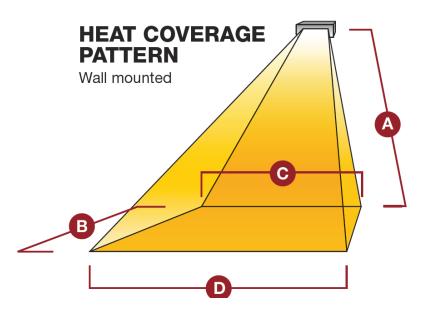
Sunair® awnings do not specify any particular brand of heaters but we do offer the Solaira brand as a convenience and as "supply" only. As supply only all warranty is per the Manufacturer (Solaira). Please see separate manufacturers installation, use, servicing and warranty documents. Mounting and wiring the heaters on the Pergola units is not included and will be the responsibility of the dealer / customer in the field during installation. Check your local codes for correct wiring instructions. All heaters should be installed by a certified electrician to local state electrical codes. See separate manufacturer's data sheet and wiring instructions. If you purchase your own heaters, make sure that the heater brand and model you chose can be installed within the pergola unit to code. Aluminum Brackets to install the heaters on the awning are sold separately. Note: Sunair® awnings can only make suggestions but will not be responsible or warranty the performance and the effectiveness of the heaters. Check with the manufacturer of the heaters for the recommended number of heaters for your application and best installation position of the heater for best results.

# ADVANCED TROLLEY For TECNIC & TECNIC ONE only.



#### Solaria Heaters con't

Note: Specifier / Customer must contact Solaira directly for recommended heater number and location.



#### HEAT COVERAGE EXAMPLES

Model	Α	В	С	D	Heat Zone*	Heat Density*
SCOSYAW15120 B/W	6′7	7″ {	3´ 8	10′	70 SQ FT	18 WATTS/SQ. FT
SCOSYAW15240 B/W	6′7	7″ {	3´ 8	10′	70 SQ FT	18 WATTS/SQ. FT

<sup>\*</sup> Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted heat zones will be different then this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

<sup>\*</sup>Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted zones will be different than this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

#### **Solaria COZY Series Heaters con't**

240 VOLT: 1.5Kw 208 - 240 V

Heater Model Black # SCOSYAW15240B Ral:9005

**Heater Model White # SCOSYAW15240W Ral:9010** 

Controller #SPASCR90

One controller will operate up to <u>12</u> heaters

110 VOLT: 1.5Kw 120V

Heater Model Black # SCOSYAW15120B Ral: 9005

Heater Model White # SCOSYAW15120W Ral:9010

**Controller #SPASCR90** 

One controller will operate up to <u>7</u> heaters

# 105 mm [4] 179.95 cm [7.085 in]

#### **NOTE:**

Maximum 7 ea. 110 volt heaters can be used per controller.

Maximum 12 ea. 240 volt heaters can be used per controller.



# INFRARED PATIO HEATER

ADVANCED LOW-LIGHT, LOW-GLARE CARBON FIBER EMITTER TECHNOLOGY



**AVAILABLE IN TWO MODELS** 

CF3000 3000W, 240V

CF1500 1500W, 120V

- Adjustable wall and ceiling mounting brackets included\*
- Durable extruded aluminum construction
- Virtually maintenance-free
- Instant heat, warm ambient glow
- Safe and odorless



Includes convenient remote control

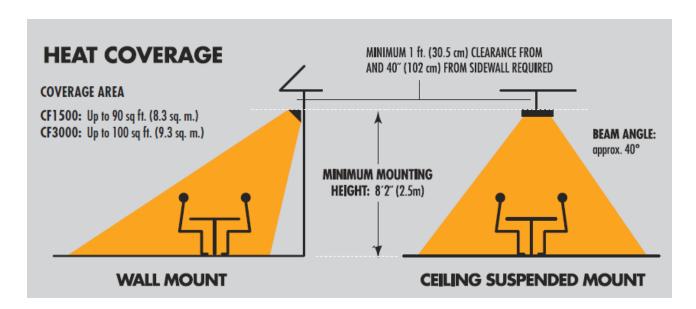
AURA CF3000 Carbon 3000W BLACK 208 - 240 VOLT: **Model # CF302408**AURA CF1500 Carbon 1500W BLACK 120 VOLT: **Model # CF151208** 



IP65 rated water resistant



Wall and ceiling brackets included\*

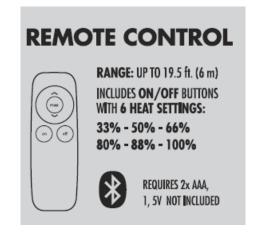


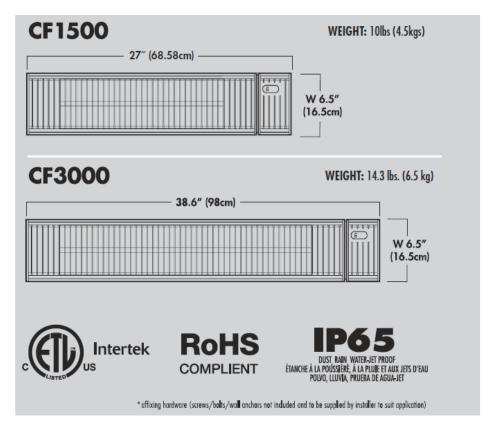
#### Note:

Specifier / Customer must contact Solaira directly for recommended heater number and location.



\*Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted zones will be different than this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

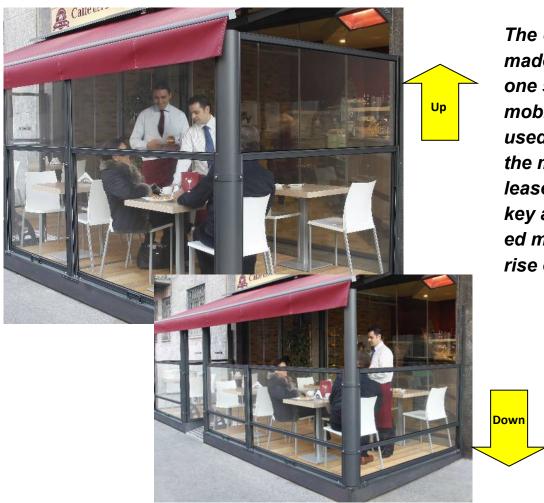




The AURA heaters is a more economical heater that simply plugs in to an outlet (110 volt version). This heater does not require a control box. The remote control is included in the price. Simply aim the remote towards the heater and you can custom set the heat from 1 - 6 on heat scale.



# **UP & DOWN Glass Walls Options**



The Up & Down model is made up of two sections, one stationary and one mobile. A simple key is used to lock and release the module. To raise, release window with the key and the spring loaded module will slowly rise on its own.







The Up and Down model of our glass window dividers can be customized to match your color scheme or even display your logo! The base aluminum colors are White and Iron Grey colors. Virtually any color and design graphic motifs can be added to the glass to showcase your restaurant's unique style. Other models are also available.





# **Installations**





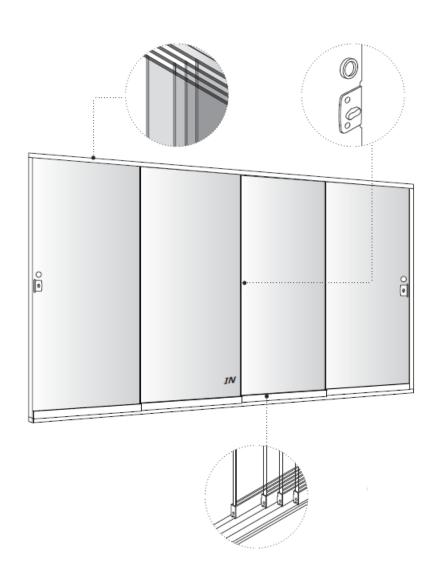




# **SLIDE GLASS Options**



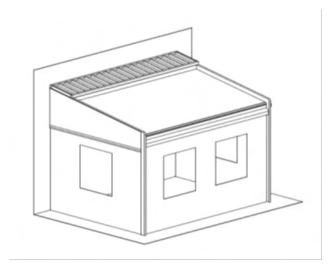








Note: Sunair® reserves the right to change engineering, specifications and prices without notice. Images and Illustrations in the catalog may vary from digital and printed manuals. Sunair® is not responsible for printed inaccuracies in this manual.









#### **MARYLAND LOCATION**

Mailing: P.O. Box 1068

Shipping: 7785 Rt. 175 Jessup, MD 20794

Toll Free 800 - 548 - 0408

Phone: 410 - 799 - 1145

Fax: 410 - 799 - 5584

#### **ARIZONA LOCATION**

Mailing: Same as Jessup

Shipping: 3807 West Thomas Rd.

Phoenix, AZ 85017

Toll Free 877 - 272 - 3920

Phone: 602 - 272 - 3920

Fax: 602 - 272 - 3925

www.sunairawnings.com

info@sunairawnings.com