SOLHARO®

## For glass Conservatories, Sun Rooms, and wood trellis Pergolas

The Solharo® is the ideal solar protection solution for sunrooms and conservatories and wood Trellis Pergolas. With a standard motor, the shade will automatically extend to shade and lower the temperature in the room. The system is designed for solar control and can only be used in rain if configured with mesh fabric only so water goes through it and does not collect.
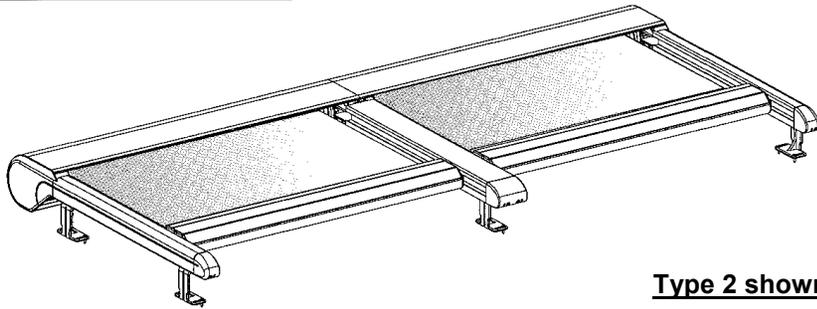
Type	Standard Frame Colors	Standard Widths	Standard Projections	Recommended Applications	Recommended Fabrics
Tensioned Track System **Conservatory Shade**	**9 standard Sunair colors**	**Through 27'** **Split multiple bays** **See price list**	**5' through** **19' 8"** **See Price list**	**Conservatory rooms and wood structures** **Retractable**	**Soltis 86 & 92** **Mesh** **Sunbrella / Para**

- **Protects against the sun and lowers the temperature in the sun room, significantly lowering cooling costs.**

- **Used for sun protection and solar control only (Not for rain protection unless mounted on a 45 degree slope).**

- **The fabric blocks the sun before it hits the glass for more effective solar control.**

- **Prevents fading of your furniture, carpets, curtains, and wallpaper.**

- **Can cover small to large sun rooms & wood structures.**

- **Great for residential and commercial applications.**

- **Easy motorized operation standard.**
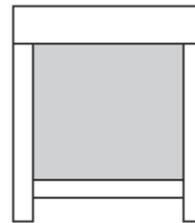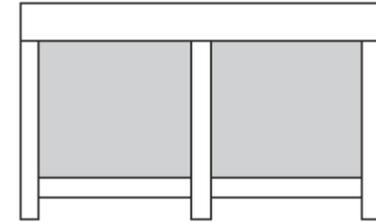
- **Hundreds of fabric or mesh colors to choose from.**

5 year limited frame warranty
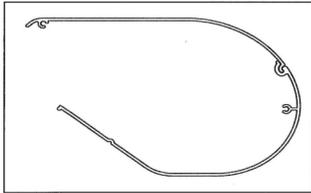
Please consult the office if a bay is less than 6'7" wide as a smaller spring is needed .
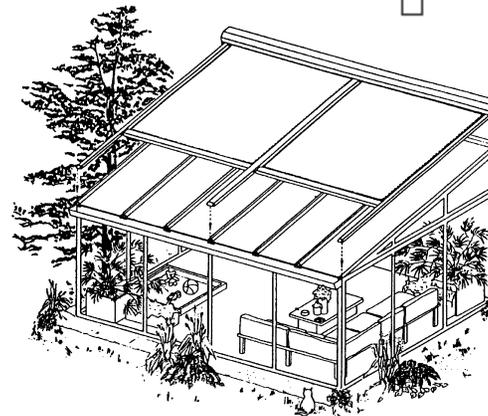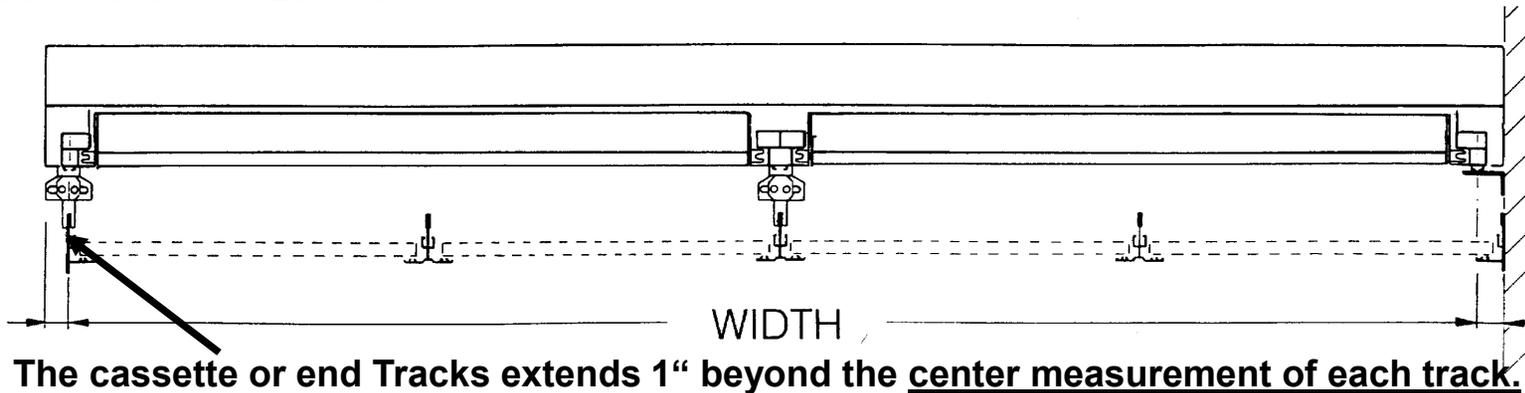
Type 1

Type 2

Type 2 shown
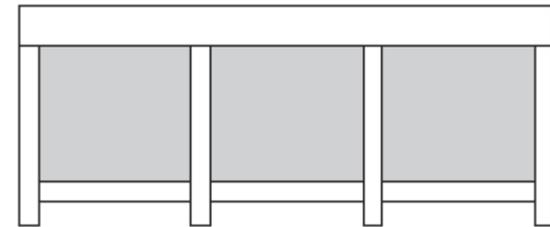
Type 3

Shown with extension brackets

MEASURING SOLHARO

WIDTH

The cassette or end Tracks extends 1" beyond the <u>center measurement of each track</u>.
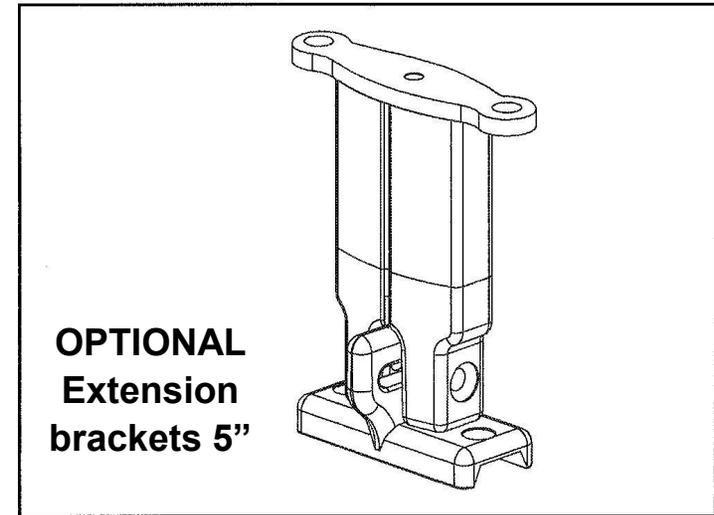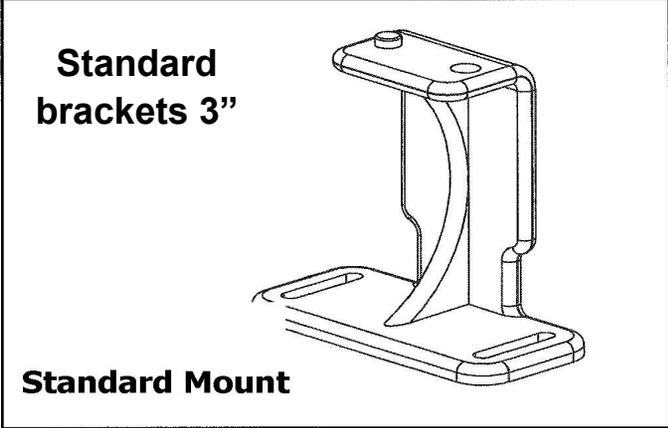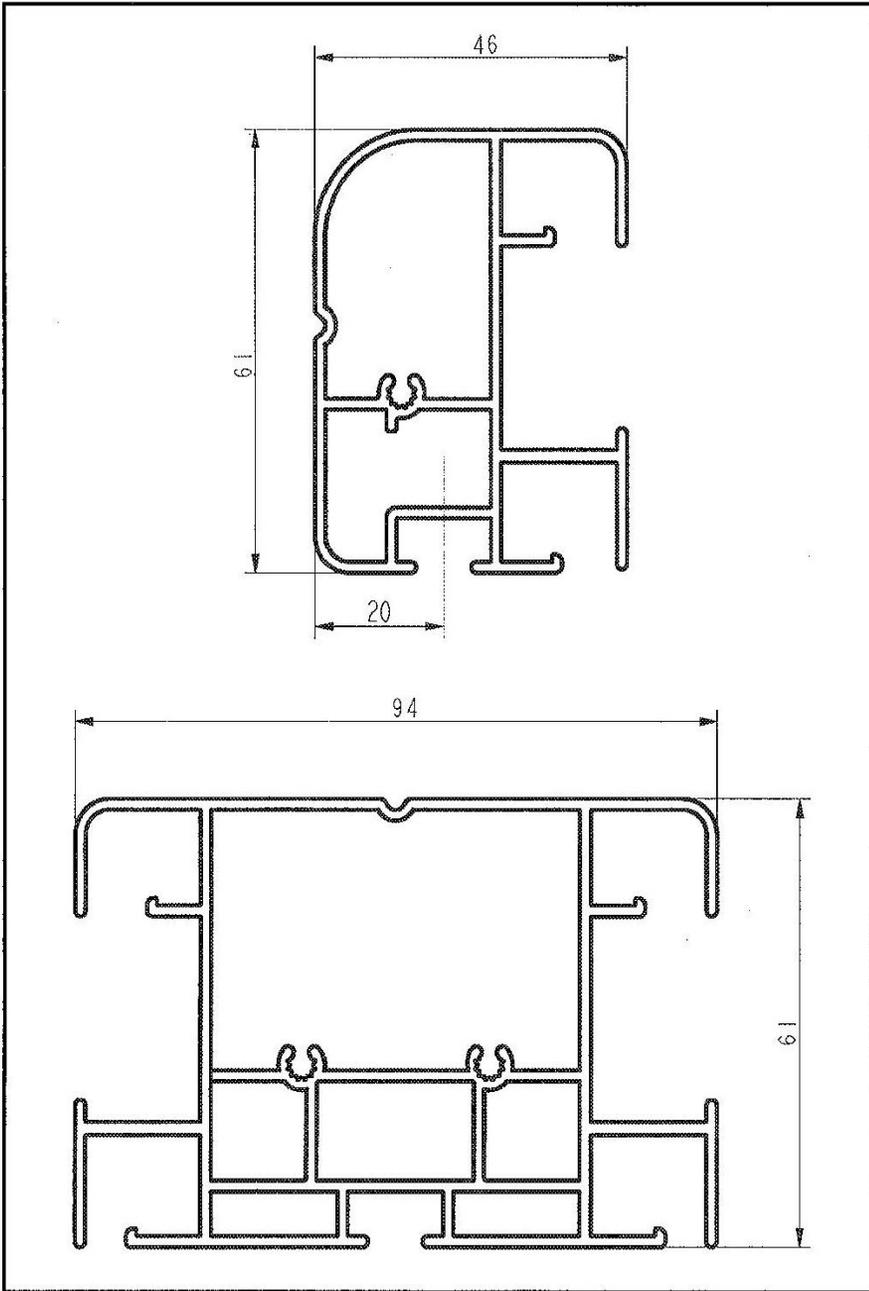
The most important measurement is the measurement center to center of each beam of the structure to determine the width. All orders must be submitted with the Solharo work sheet showing dimensions. The Solharo will then be manufactured with the guides or tracks running center of the beams. From the center of the outside lateral guides, the system extends one (1") on each side (see illustration above). If multiple bays are required indicate where the center of each track needs to be. The bays can vary in size and it is not necessary to have each bay the same size. Consult the office if a bay is less than 6'7". The system can not extend down and around the curve. For best coverage you can extend the track 12" straight beyond the curve of the sunroom. The endcap at end of the track is not calculated into the projection (see above and below).

Note: Dimensions in metric mm

Finish Projection Front Bar
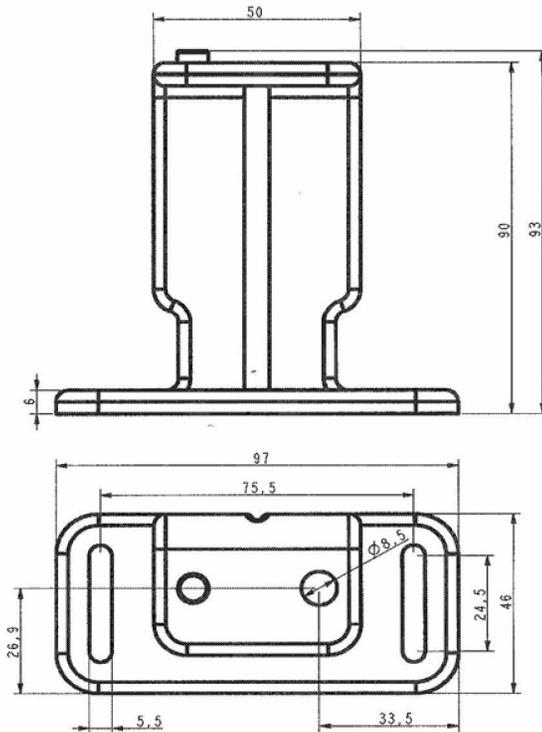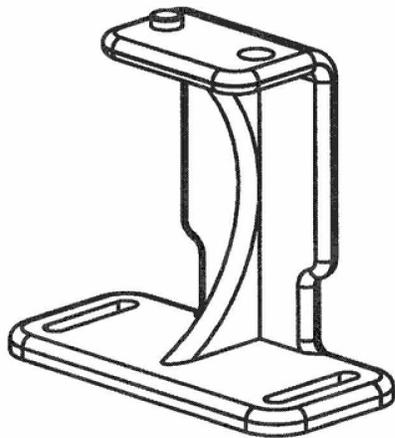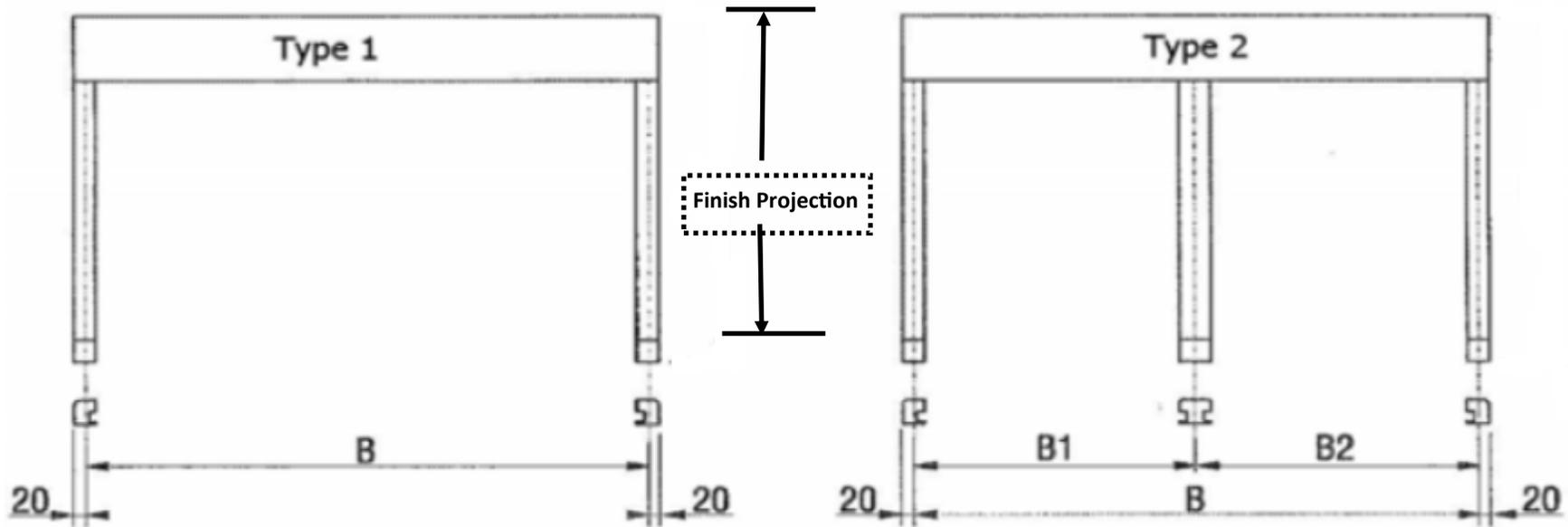
225

Side view

150

280   Max. 1600mm   Max. 1600mm   100
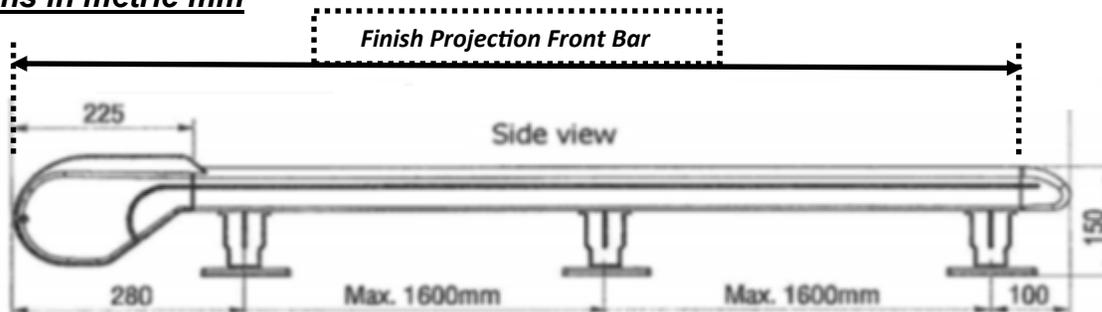
The aluminum housing containing the roller system is 6 ½" inches high or 165 mm high with the brackets. Different mounting situations can be accommodated (See further technical documents).

Standard brackets 3"

Standard Mount

OPTIONAL Extension brackets 5"

Note: Dimensions in metric mm

Type 1

Finish Projection

B

20   20

Type 2

Finish Projection

B1   B2

B

20   20

50

90
93

6

97
75,5

Ø8,5

24,5
46

26,9

5,5   33,5

Note: Dimensions in metric mm

TECHNICAL DATA

- Minimum width per section: 2,00m   (6'7")
- Maximum width per section: 4,50m   (14'9")
- Maximum projection: 6,00m   (19'8")
- Maximum area per fabric: ca20m²

Note:

Wider Type 1 sections are available than maximum indicated above. Please inquire with office. Unit will be out of spec with support roller needed to be added at extra cost. Max Type 1 width is 15 ft wide or 457 cm. depending on projection needed.

SOLHARO® EXPLODED VIEW
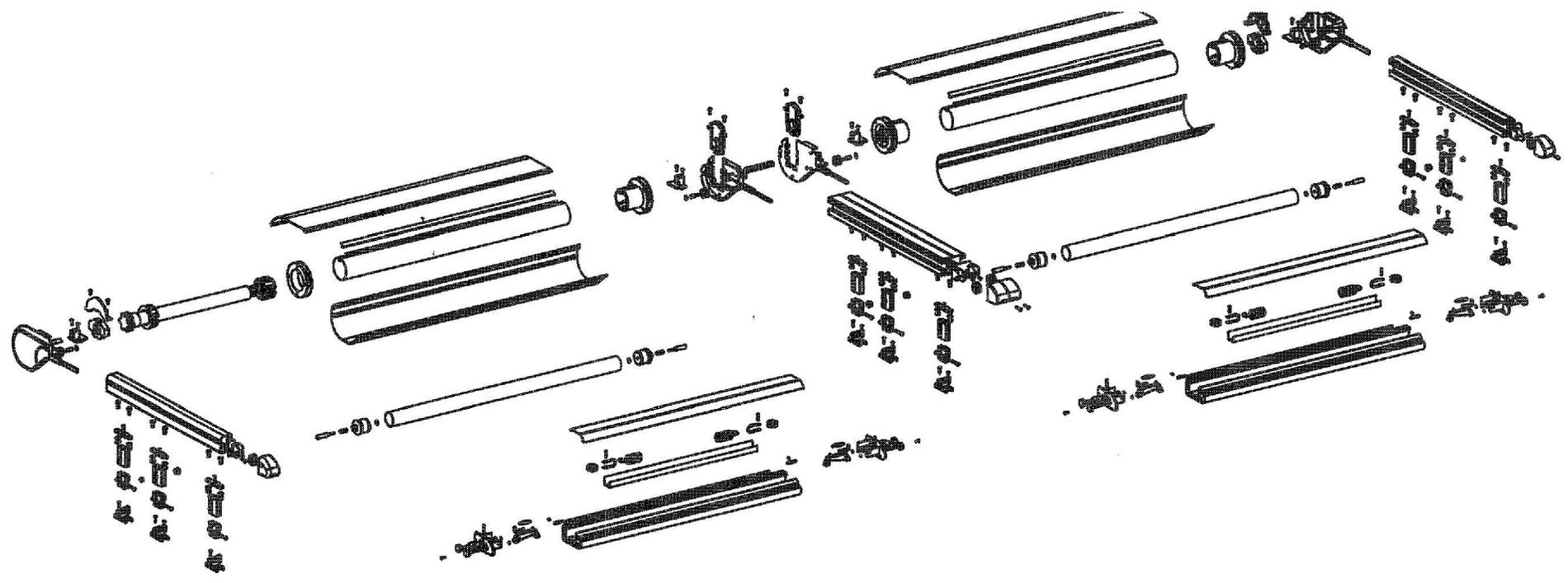
FRAME COLORS (STANDARD)

Solharo

*Note: See each model technical page for available frame colors. Available interior screen colors are different than depicted below (see Interior screens).

WHITE Gloss
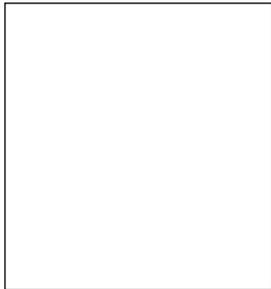Ral 9010

MOCHA
Semi Gloss

**DESERT SAND /
IVORY Gloss**

BLACK Gloss
Ral 9005

BRONZE
Coarse

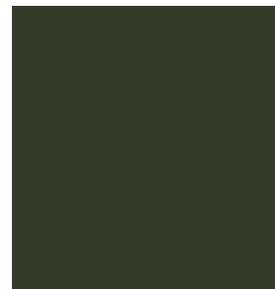**GREY Gloss**
Ral 7040

BROWN Gloss

TAUPE Gloss

GREEN Gloss
Ral 6005

OPTIONAL

**FULL RAL COLOR
RANGE / EXTRA COST**

NOTE: All colors except Green Ral 6005 and Desert Sand / Ivory are "super durables"

which offer better durability compared with standard polyesters powders.

SUNAIR ®
AWNINGS & SOLAR SCREENS

NOTE: *ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES*

TEMPOTEST
ITALIAN PERFORMANCE FABRICS

PARA

ACRYLIC FABRIC COLLECTION

Fabric covers sewn with Tenara thread.

SUNAIR
AWNINGS & SOLAR SCREENS

5 Forest Green

7 Moss Green

8 Medium Green

11 Red

12 Yellow

13 Ocean Blue

14 Toast
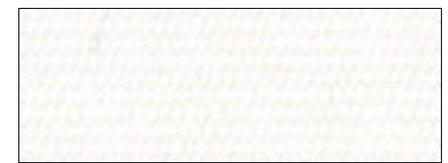
15 White

24 Black

33 Forest Green / White

35 Red / White

37 Yellow / White

47 Brown / Stone

52 Tan

53 Pale Peach

73 Burgundy
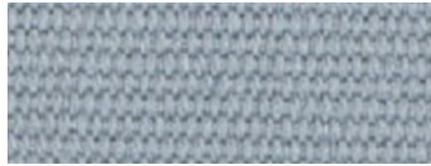
75 Navy Blue	**79 Grey**	**81 True Brown**	**84 Dark Terracotta**
87 Fancy Blue	**101 Elite Toast**	**102 Cappuccino**	**106 Toffee**
107 Textured Dk. Grey	**242 Grey / White**	**426 Terracotta**	**439 Dark Grey / White**
809 Cream / Green	**878 Beige / White Speckled**	**926 Taupe Classic Solid**	**931 Green / Cream Wide**
969 Grey Fancy Stripe	**1101 Beige / Stripe Fancy**	**1120 Brown/ Beige Fancy**	**1150 Rust / Green Multi**
116/15 Medium Blue / White	**1243 Yellow Multi**	**1302 Sage Tweed**	**1330/512 Carbon Stitch**
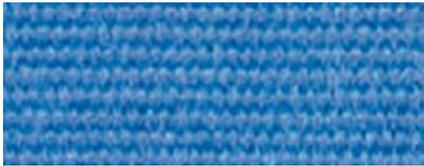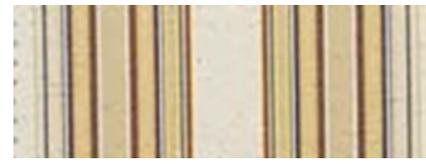
15/1 Beige
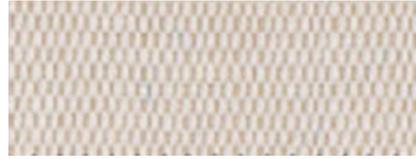
15/14 Raw

15/79 Stone

4015/91 Raw Speckled

407/11 Burgundy Tweed

407/13 Blue Tweed

407/14 Toast Classic Tweed

407/16 Moss Classic Tweed

407/3 Green Classic Tweed
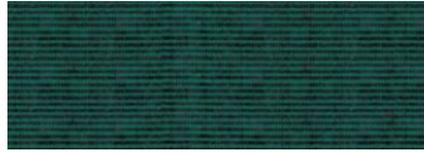
407/6 Green Tweed

407/79 Pepper Grey
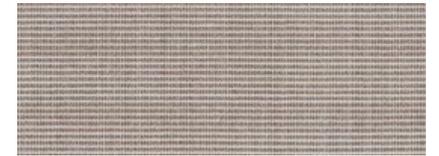
407/926 Grey Classic Tweed

4215/15 Textured Tan

5000/57 Cocoa Stripe

5001/1 Green Graduated

5001/13 Blue Graduated

5001/7 Moss Graduated

5001/73 Burg/Grey Graduated

5009/1 Beige / Tan Stripe

5009/14 Brown / Tan Stripe

5011/11 Brick/Natural Fancy

5011/57 Tan / Brown Fancy

5011/7 Tan / Green Fancy

5071/7 Natural/Moss Graduated

5072/86 Brown/Stone Fancy	5118/62 Yellow / White Fancy	5144/14 Pastel/Natural Fancy	5167/11 Red / Grey Fancy
5167/2 Blue / Grey Fancy	5167/5 Green / Grey Fancy	5173/12 Yellow / Grey Stripe	5304/15 Rose / Grey Fancy
5347/58 Grey Wheat Multi	5347/79 Platinum Grey Multi	5348/58 Beige / Wheat Multi	5348/79 Grey / Slate Multi
5349/106 Brown Cream Stripe	5349/930 Beige / Brown Classic	5369 Charcoal / Brown	5370 Beige / Grey
5371/727 Grey / Black Stripe	5374 Smoke / Grey Stripe	5396/78 Green Tweed Stripe	5396/930 Hazelnut Stripe
5396/97 Charcoal Tweed Stripe	5397/97 Grey / Black Graduated	5398/107 Carbon Blue Blend	5398/930 Dune / Brown Striped
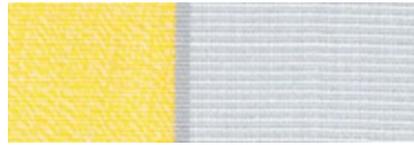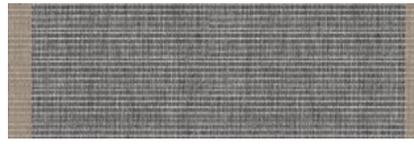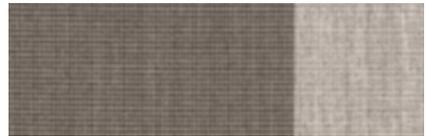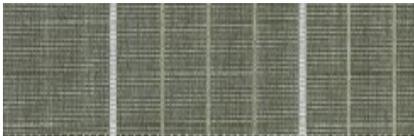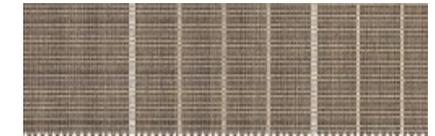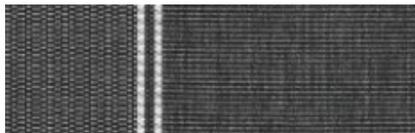
5399/107 Drk. Grey Tweed	**5399/15 Lgt. Grey Stripe**	**5399/52 Sesame Tweed Stripe**	**5399/94 Stone / Grey Tweed**
5406/52 Coriander Tweed	**5406/94 Textured / Desert Beige**	**5407/107 Charcoal / Stone Tweed**	**5407/15 Textured Silk Grey**
5407/17 Sky Tweed	**5407/52 Sesame Tweed**	**5407/94 Desert Grey Tweed**	**633/79 Grey/ Black Fancy**
634/51 Grey / Natural Fancy	**634/97 Green / Tan Fancy**	**635/11 Cranberry/Natural F.**	**636/10 Grey / Blue Graduated**
636/12 Yellow Graduated	**636/14 Brown Elite Stripe**	**636/5 Green / Beige Fancy**	**636/84 Terracotta Graduated**
638/5 Green Grey Fancy	**639/99 Tan / Natural Fancy**	**641/10 Blue / Beige Fancy**	**727/15 Textured Med. Grey**
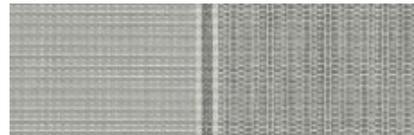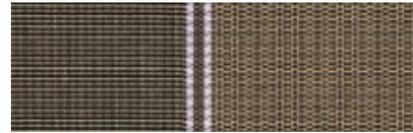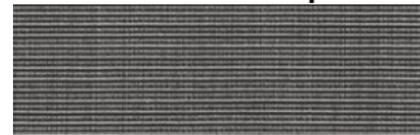
739/701 Sage / Beige Fancy

769/75 Cream / Blue Fancy

782/14 Beige Classic Solid

873/151 Dune Tweed

873/2 Textured Cocoa

939/94 Grey Elite Stripe

940/5 Green Elite Stripe

947/14 Pale / Beige Classic

949/91 Brown Beige Classic

950/24 Grey / Charcoal Classic

951/92 Grey / Navy Classic

967/926 Grey/Charcoal Elite

968/426 Terracotta Cream Fancy

97/84 Plum

986/106 Textured Beige

986/15 Textured Lt. Grey

986/727 Textured Pebble Grey

BINDING

A Binding or Hem	**E** Standard
B	**F**
C	**G**
D	**H**

VALANCE STYLES

Standard valance styles are listed here. Some styles may vary depending on the pattern and where the stripes fall. If a custom valance is required, include a well-dimensioned sketch with the order as well as instructions on style. Our standard valance is "E", if no valance style is specified, we use "E".

Note:

"A" style straight valance is available with either binding sewn in at bottom, or bottom hem, without binding. All remaining valance styles must have a binding sewn in at bottom (see binding color chart).

BINDING COLORS

15	15/1	52	14	1481	94	57	54	58	12

73	84	11	20	25	26	55	72	56	62	7	5	8

24	81	97	75	87	10	13	74	77	79	21	71	16	6

Colori e numerazioni sono identici alle tinte unite del Tempotest ¡ Coloris et numÈration sont les mîmes que les unis du Tempotest

Colours and colour references correspond exactly to the Tempotest plains range ¡ Die Farben bzw. die Farbnummer stimmen mit den Tempotest Uni-Farben ¸berein

Colores y numeraciÛn son iguales que los lisos del Tempotest

TEMPOTEST PARA

Teflon FABRIC PROTECTOR

SOLIDS · TWEEDS · BLOCK STRIPES · FANCY STRIPES · GRADUATED STRIPES

| Code	Name	Code	Name	Code	Name
5	Forest Green	407/14	Toast Classic Tweed	5406/52	Coriander Tweed
7	Moss Green	407/16	Moss Classic Tweed	5406/94	Textured Desert Beige
8	Medium Green	407/3	Green Classic Tweed	5407/107	Charcoal/Stone Tweed
11	Red	407/6	Green Tweed	5407/15	Textured Silk Grey
12	Yellow	407/79	Pepper Grey	5407/17	Sky Tweed
13	Ocean Blue	407/926	Grey Classic Tweed	5407/52	Sesame Tweed
14	Toast	4215/15	Textured Tan	5407/94	Desert Grey Tweed
15	White	5000/57	Cocoa Stripe	633/79	Grey/Black Fancy
24	Black	5001/1	Green Graduated	634/51	Grey/Natural Fancy
33	Forest Green/White	5001/13	Blue Graduated	634/97	Green/Tan Fancy
35	Red/White	5001/7	Moss Graduated	635/11	Cranberry/Natural Fancy
37	Yellow/White	5001/73	Burgundy/Grey Graduated	636/10	Grey/Blue Graduated
47	Brown/Stone	5009/1	Beige/Tan Stripe	636/12	Yellow Graduated
52	Tan	5009/14	Brown/Tan Stripe	636/14	Brown Elite Stripe
53	Pale Peach	5011/11	Brick/Natural Fancy	636/5	Green/Beige Fancy
73	Burgundy	5011/57	Tan/Brown Fancy	636/84	Terracotta Graduated
75	Navy Blue	5011/7	Tan/Green Fancy	638/5	Green/Grey Fancy
79	Grey	5071/7	Natural/Moss Graduated	639/99	Tan/Natural Fancy
81	True Brown	5072/86	Brown/Stone Fancy	641/10	Blue/Beige Fancy
84	Dark Terracotta	5118/62	Yellow/White Fancy	727/15	Textured Medium Grey
87	Fancy Blue	5144/14	Pastel/Natural Fancy	739/701	Sage/Beige Fancy
101	Elite Toast	5167/11	Red/Grey Fancy	769/75	Cream/Blue Fancy
102	Cappuccino	5167/2	Blue/Grey Fancy	782/14	Beige Solid Classic
106	Toffee	5167/5	Green/Grey Fancy	873/151	Dune Tweed
107	Textured Dark Grey	5173/12	Yellow/Grey Stripe	873/2	Textured Cocoa
242	Grey/White	5304/15	Rose/Grey Stripe	939/94	Grey Elite Stripe
426	Terracotta	5347/58	Grey/Wheat Multi	940/5	Green Elite Stripe
439	Dark Grey/White	5347/79	Platinum Grey Multi	947/14	Pale Beige Classic
809	Cream/Green	5348/58	Beige/Wheat Multi	949/91	Brown/Beige Classic
878	Beige/White Speckled	5348/79	Grey/Slate Multi	950/24	Grey/Charcoal Classic
926	Taupe Classic Solid	5349/106	Brown/Cream Stripe	951/92	Grey/Navy Classic
931	Green/Cream Wide	5349/930	Beige/Brown Classic	967/926	Grey/Charcoal Elite
969	Grey Fancy Stripe	5369	Charcoal/Brown	968/426	Terracotta/Cream Fancy
1101	Beige/Stripe Fancy	5370	Beige/Grey	97/84	Plum
1120	Brown/Beige Fancy	5371/727	Grey/Black Stripe	986/106	Textured Beige
1150	Rust/Green Multi	5374	Smoke/Grey Stripe	986/15	Textured Light Grey
116/15	Medium Blue/White	5396/78	Green Tweed Stripe	986/727	Textured Pebble Grey
1243	Yellow Multi	5396/930	Hazelnut Stripe		
1302	Sage Tweed	5396/97	Charcoal Tweed Stripe		
1330/512	Carbon Stitch	5397/97	Grey/Black Graduated		
15/1	Beige	5398/107	Carbon Blue Blend		
15/14	Raw	5398/930	Dune/Brown Stripe		
15/79	Stone	5399/107	Dark Grey Tweed		
4015/91	Raw Speckled	5399/15	Light Grey Stripe		
407/11	Burgundy Tweed	5399/52	Sesame Tweed Stripe		
407/13	Blue Tweed	5399/94	Stone/Grey Tweed		

SUNAIR®
AWNINGS & SOLAR SCREENS
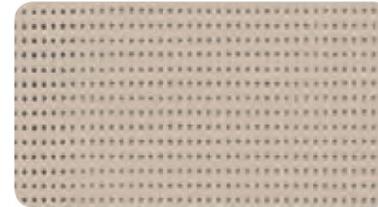
Soltis
Horizon 86
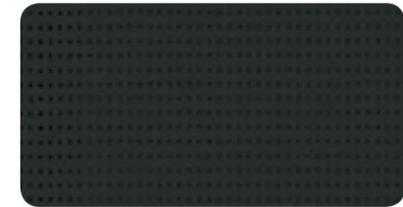
Serge Ferrari

14 % Open Screen Mesh

Exterior Screen Fabric

5 year warranty from Ferrari
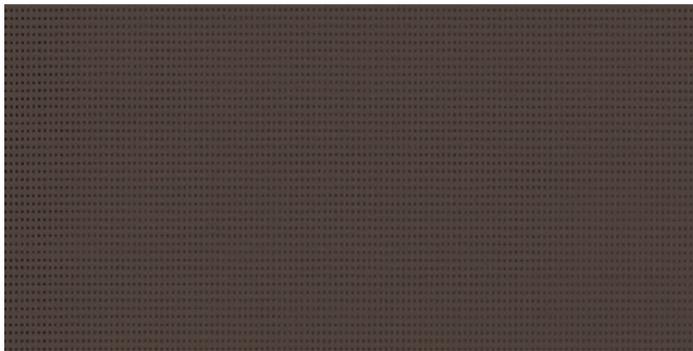
86-2043

Bronze

86 – 2135

Sandy Beige

86 – 2053

Black
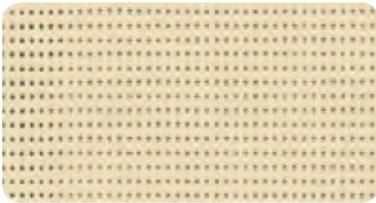
86 – 2175

Champagne
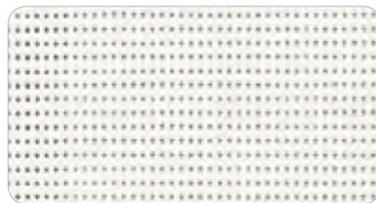
86 – 2044

White
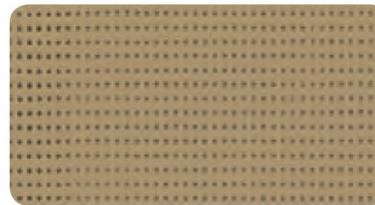
86 – 2012

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

POWERED by Somfy®

Awnings

Exterior Screens

Pergolas

RTS somfy.

Roller/Solar Shades

Sunair is proud to offer the full line of Somfy motors and controls for our awnings and screens program SOMFY RTS features motors with an integrated radio receiver that allows you to operate the awning by remote control with a wall mounted or hand held remote or by smart phone device.   With a simple click of your remote, the awning or shade will extend or retract automatically. The manual override Sunea motor is ideal for awnings and the Altus motors is ideal for exterior screens. Each motor can be configured with a cord & plug which can simply be plugged into your patio outlet. They are available in 1.4", 11' ,17', & 23' lengths.   Altus motor cords depend on motor model and is standard either 6' or 10' pigtail cords. Optional Altus plug in cords are available in 10', 18', and 24 ' lengths. Optional screen motor is Maestria with obstacle detection. Add Tahoma smart phone and table interface.

Ø .77 inches / 19.5 mm

3.87 inches / 98.3 mm

cRUus

Sunea quick connect
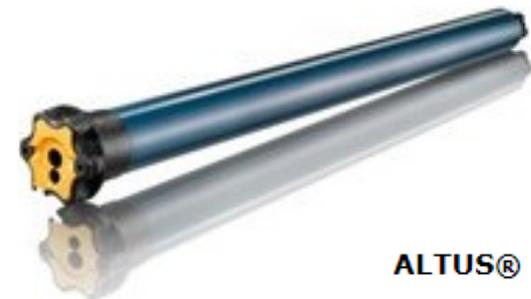
ALTUS®

SOMFY REMOTES:

One (1) through (16) channel hand held or wall mounted remotes are available.   **Remotes are available in different colors to suit your style, please inquire.**

Situo 1 & 4 hand held remotes

Situo hand-held remotes offer convenient and simple operation of every type of motorized application. Channels help organize the motorized products that are operated. Single channel remotes can operate one individual product or one group of motorized products. Multiple channel remotes can handle groups of motorized products.

Telis 1 Chronis RTS Timer

DecoFlex WireFree™ RTS Wall Switches

Telis 1 Patio for exterior use

Smoove® 1 RTS Surfact Mount Wall Switch

Telis 16 RTS Hand-held Remote

AVAILABLE AUTOMATIC SENSORS & CONTROLS

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.

Sunis & ThermoSunis
Indoor WireFree™ RTS Sensors

SOMFY MOTOR WIRING

Radio Technology Somfy

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

POWERED by **somfy**®

The three (3) wire cords can be wired in parallel and can be ordered with a molded plug to simply plug into an exterior UL approved GFI outlet. The standard four (4) wire cords must be hard wired with a traditional toggle wall switch. <u>Screens can not be ordered with molded plugs on the end.</u>

Optional molded plug is available for "awning" motors only

Type of power cable
`RTS plug in capable motor cord`

RTS
120V AC / 60Hz
3 conductor cable
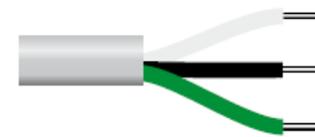
white = neutral
black = hot
green = ground

Type of power cable
`STANDARD Hardwire motor cord`

Wired
120V AC / 60Hz
4 conductor cable

white = neutral
red   = direction 1
black = direction 2
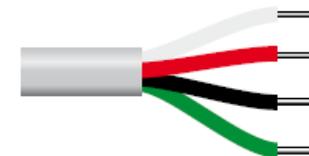green = ground

Hardwired motors with a wall switch

All Somfy Motors are UL and CSA Recognized

- All SOMFY motors are UL Recognized and can be found under the following file numbers:
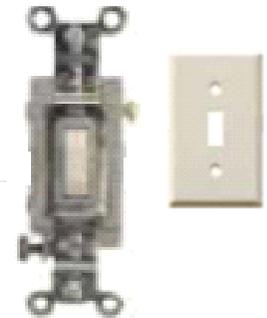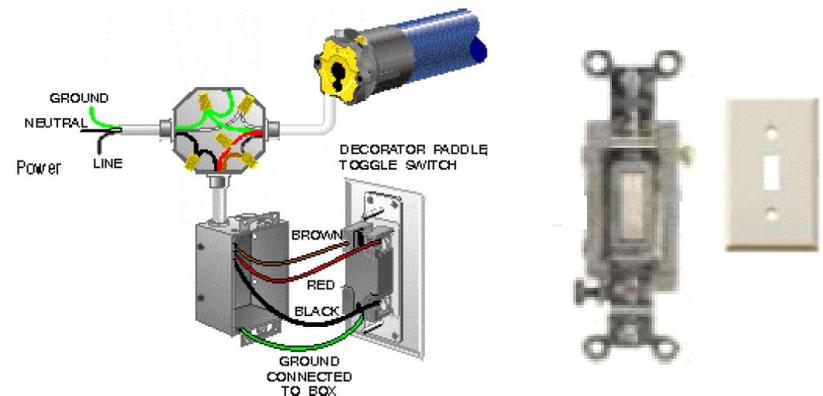
E60495, E60888, E63714

c**ᴿᵁ**us   CSA®

5 year Warranty somfy.

somfy® Building happiness

GROUND
NEUTRAL
Power   LINE

DECORATOR PADDLE
TOGGLE SWITCH

BROWN
RED
BLACK
GROUND CONNECTED TO BOX

Dimensions

STAR HEAD

ø 63

ø 47

L1
L2
L3

3.95

25
20

17.15 min.
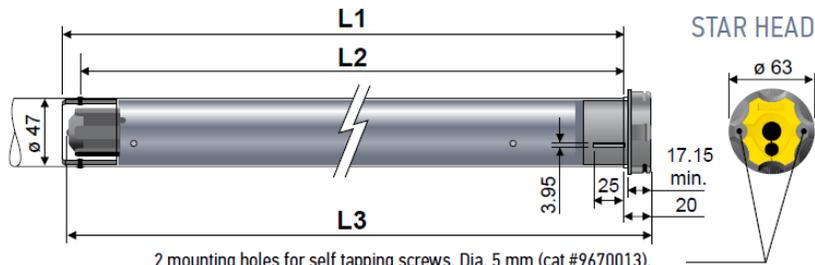
2 mounting holes for self tapping screws. Dia. 5 mm (cat #9670013).
Depth 13 mm spaced 1.89" (48 mm) apart.

POWERED by somfy®

LT50 Altus® RTS

RTS
Radio Technology Somfy®

506	510	525	535	550
6 Nm	10 Nm	25 Nm	35 Nm	50 Nm
120V / 60HZ	120V / 60HZ	120V / 60HZ	120V / 60HZ	120V / 60HZ
1.1A	1.3A	1.6A	2.1A	2.1A
38 rpm	38 rpm	20 rpm	20 rpm	14 rpm

POWERED by somfy®

RTS
Radio Technology Somfy®

LT60 Altus RTS

ø 63.5

L1
L2
L3

7.5

34
23 max.

16.8 min.

ø 63
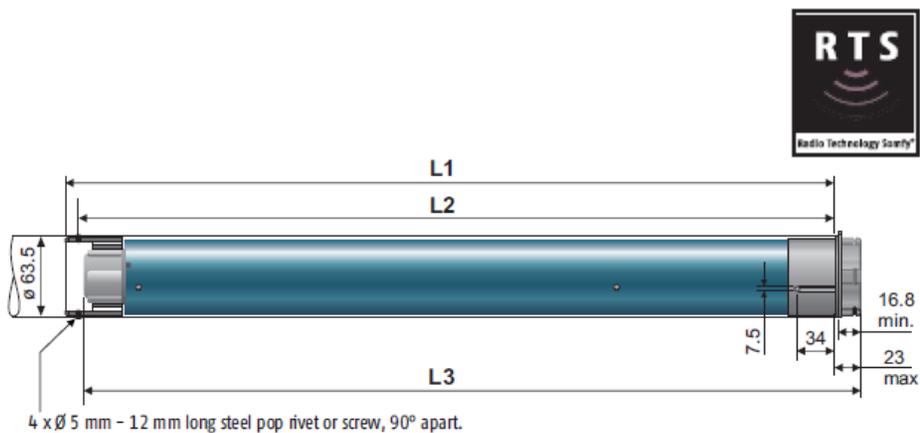
4 x Ø 5 mm – 12 mm long steel pop rivet or screw, 90° apart.

POWERED by somfy®

LT60 Standard

Performances	660R2
Torque (in. lbs.)	60 Nm (530 in. lbs.)
Nominal Voltage	120V/60Hz
Rated Current	2.5A
Speed	14 rpm
Thermal Protection	4 minutes
Radio Frequency	433.42 MHz
Sound Level	≤ 63 dBA

Somfy TaHoma® RTS Smartphone and Tablet Interface

The Somfy TaHoma® gateway and smart phone app provides convenient and customized control of Somfy powered motorized shades, blinds, and other motorized solutions. Control up to 40 RTS (Radio Technology Somfy) channels using the TaHoma app. Multiple TaHoma devices can be joined for multi-zone control.

- North America app, you can remotely activate both Zigbee and RTS products Supports UP/DOWN/MY/STOP commands for motorized shades/blinds .

- Supports incremental control for Tilt motors and lighting ⏹ Supports ON/OFF commands for control of lighting or other devices powered via the Zigbee Smart Plug Multiple users .

- Remote access Control4® Certified ⏹ Integration with third-party systems over IP ⏹ Compatible with Somfy Synergy™ API

TaHoma® RTS

Bond Home / Smartphone and Tablet Interface

Bond Bridge and Bond Bridge Pro works as a bridge between Wi-Fi and your remotes recorded signal allowing you to operate your Sunair shades, awnings, pergolas, ceiling fans, fireplaces and more with the Bond app. Works with Somfy and other motor manufacturers.

bond

Remote control from anywhere

Be able to control everything even from outside your home.

Bond Bridge

- Works with Alexa, Google Home, and SmartThings,
- Remote Control via Bond Home app
- Works with iPhone or Android
- No installation needed
- Smart home functionality without breaking the bank

Bond Bridge Pro: *Added features...*

- Ethernet port & PoE technology
- Smart home integrations
- Ceiling and wall mount

OPTIONAL:

- Sidekick for Shades: 5-channel Shade and awning

BOND REMOTE SWITCH:

Sidekick for Shades/Awnings: 5-channel Shade Keypad


- Wireless flush mount shade remote.
- Communicates directly with the shade.
- 10-year battery life.
- Set up shade limits – no manufacturer remote required.
- This version of Sidekick does not support Scene Keypad functionality.
- 10-year battery life.
- Install with or without a workbox (flush mount).
- 5-channel control.
- Set up shade limits – no manufacturer remote required.

bond

Notes

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®
AWNINGS & SOLAR SCREENS
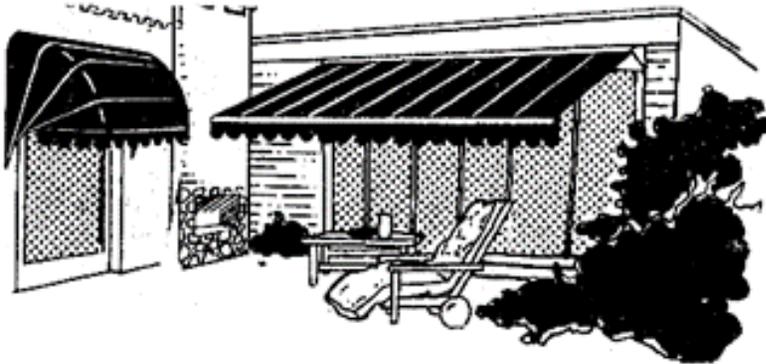
SUNPROOFING AMERICA!

MARYLAND LOCATION	ARIZONA LOCATION
Mailing: P.O. Box 1068	Mailing: Same as Jessup
Shipping: 7785 Rt. 175	Shipping: 3807 West Thomas Rd.
Jessup, MD 20794	Phoenix, AZ 85017

Toll Free	800 - 548 - 0408	Toll Free	877 - 272 - 3920
Phone:	410 - 799 - 1145	Phone:	602 - 272 - 3920
Fax:	410 - 799 - 5584	Fax:	602 - 272 - 3925

www.sunairawnings.com   info@sunairawnings.com