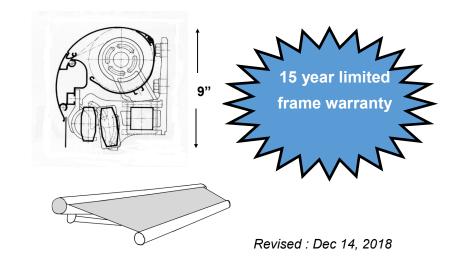


# **SUNTUBE**® Retractable patio awning

The Suntube® awning system is the ultimate state of the art retractable patio awning system. The Suntube® enjoys the many of the same quality components as on our popular Sunair® model. The fabric of the Suntube® is entirely protected by a tubular hood system when the awning is retracted. The tube is extremely attractive styling with a designer styled end cap for a finished look.

Туре	Standard Frame Colors	Standard Widths	Standard Projections	Recommended Applications	Recommended Fabrics
Lateral Arm Awning	9 standard Sunair colors	Through 20'	4'2", 5'7" 6'11", 8'7", 10'2", 11'6", 13'0",	Deck, Patio & Storefront Roof mounts	Sunbrella, Tempotest / Para, Sattler, & Recasens

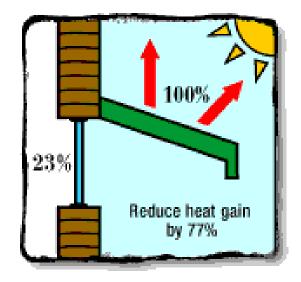
- Tubular aluminum hood design protecting the fabric.
- Highest quality Lateral Arm Awning.
- · Forged aluminum elbow and shoulder components.
- Double stainless PVC coated cable arm design for durability.
- 4:1 / 8:1 Bevel gear for most efficient operation.
- All aluminum extruded front bar, Torsion bar, and roller tube.
- Powder coated components and extrusions.
- A stop in the gear to prevent the fabric from over rolling.
- Stainless steel fasteners.



## **BENEFITS OF AWNINGS**



- Reduces indoor temperatures and energy costs while keeping you cool on your deck or patio.
- Reduce heat gain inside by as much as 77% and reduce sunlight and glare through your window by as much as 94% (see Minnesota energy study).
- A Sunair awning keeps you cool on your patio or deck, but it also minimizes your exposure to the sun's harmful rays.
- A Sunair® retractable awning will increase your outdoor living area comfortably and efficiently at a fraction of the cost of a permanent addition







SUNTUBE® MODEL FEATURES:			COMPETITION	SUNTUBE® BENEFIT:
ARMS		All arm parts under stress are made of forged aluminum including the shoulder, elbow, and arm components. All arms 8' 7" and above use three heavy duty steel springs.	Others typically uses all Die-cast or extruded aluminum arm parts and one or two springs to save on cost.	Forged aluminum arm components are stronger than all die castings or extrusions resulting in a stronger awning against the elements. Three heavy duty steel springs provide better arm tension and longer arm life.
TUBULAR HOOD		The Suntube® is unique in the fact that it has a built in hood that protects the awning fabric when the awning is retracted.	Most systems including our other two systems use an optional aluminum hood sometimes made of fabric.	The tube truly protects the fabric when the awning is in retracted position. The tube also has a finished look second to none.
ELBOW		The Suntube® uses twin high quality stainless aircraft cable covered in a vinyl PVC sleeve.  The hinge is triple angled with an elliptical cable radius.	Typically the competition uses a single smaller cable which is not always coated. Most systems do not have this angle and the fabric rubs on the arms.	Twin covered cables are far superior to a single cable, as cable wear is reduced, allowing better arm and fabric tension and durability. The elliptical cable radius increases tension as the awning extends. The angles help keep the fabric from dragging on the arms.
GEARS		Suntube® uses a heavy duty German 4:1 ratio bevel gear with a stop.	The competition often uses inferior quality 7:1 gears without a stop	The 4:1 gear is the most efficient gear made. This gear minimizes the time and effort needed in operating a manual awning. The stop eliminates fabric damage due to over rolling.

SUNTUBE® MODEL FEATURES cont.			COMPETITION	SUNTUBE® BENEFIT:
PROFILES & PAINT		All extrusions and components are exclusively made of the highest quality aluminum.  The extrusions and aluminum parts all electro statically powder	The competition often mixes aluminum and steel profiles to save on cost. Competitors very often actually wet – lacquer the extrusions to save on cost.	Aluminum extrusions are strong, yet will not corrode over time like steel. This equates to a longer lasting awning.  Powder coating is more attractive and holds up better against the elements, resisting cracking and peeling.
FABRICS		Hundreds of 100% acrylic premium grade solid and striped fabric colors to choose from.  You surely will find a fabric to suite your need and taste.	Sometimes the competition uses vinyl or a non acrylic fabric. Some companies use poor quality lighter thickness acrylics fabrics.	Acrylic fabric is more attractive and breaths better than vinyl. Vinyl traps heat and will crack over time. Acrylic fiber is also resistant to fading and mildew and has a water repellant Teflon coating.
THREAD	SINCHO WITH	All fabrics are sewn with Tenara® thread. This thread is manufactured from GORE-Tex, and is clear and nearly invisible.	The competition typically uses a synthetic thread. Often the competition cuts corners and uses only a white thread which is very visible on the fabric.	Tenara® thread is made of Teflon and will not deteriorate from exposure to the elements. The clear thread is nearly invisible on most fabric colors.

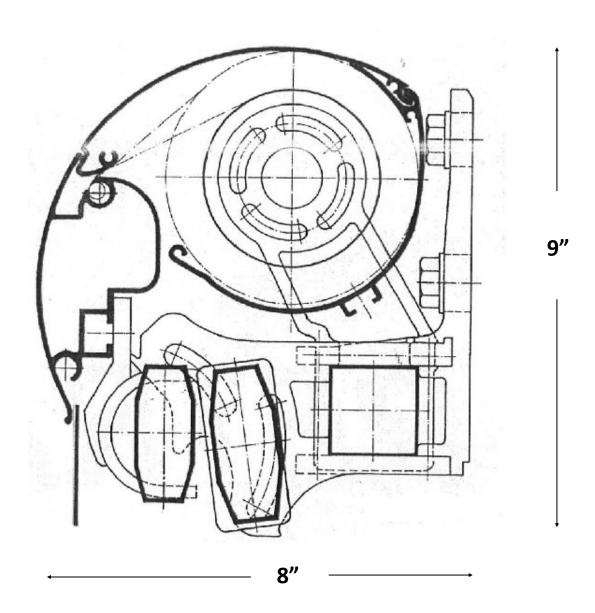
Note: Available features

will vary by model

THE SUNTUBE IS THE CLEAR CHOICE!



# SUNTUBE® Cross section



## **Suntube Installations**



Suntube® extended



Suntube® retracted



Suntube® is ideal for roof mounts



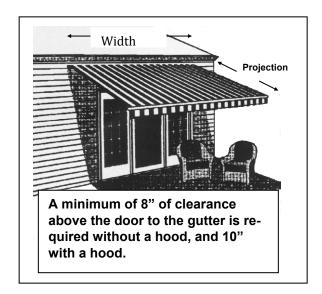
Suntube® up close

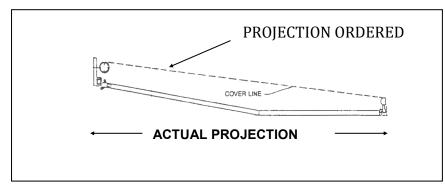
### **MEASURING A LATERAL ARM AWNING:**

#### **WIDTH:**

The width is based upon the size of the deck. Due to the large sizes of some decks it is not always necessary to cover the entire deck. Make sure the wall is free of down spouts, chimneys and electrical conduit. Any object protruding out from the wall will interfere with the roller mechanism. Note the hood is always 1" wider than the width of the awning frame. The fabric width is always 5" less than the awning frame on units up to 20' wide, and 5  $\frac{1}{2}$ " less on units over 20' wide. If the deck faces the West, then projection is important to consider. If the deck faces South, then width is important to consider.

The roller assembly of the SUNAIR® measures 8" high without a hood and 10" high with a hood. Be certain that you have at least 8 – 10" of unobstructed mounting surface (see sketch below right)

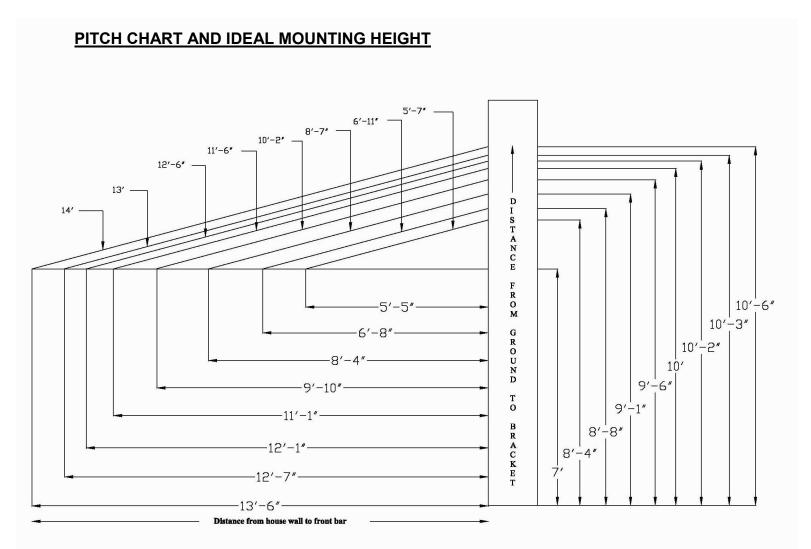




The SUNAIR® Lateral Arm Awning is designed for residential decks, patios and commercial storefronts. Smaller projections should be used for a storefront awning. The awnings are designed for sun protection; they are not designed to withstand wind or heavy rain and should not be sold for such purposes (see warranty).

#### **PROJECTION:**

Determine the ground clearance above the door or window and then determine the desired projection. Refer to the pitch chart on next page for the ideal mounting height and pitch for the desired projection. The greater the pitch on the awning the less projection it will have (see pitch chart). When the awning is extended the front bar should be at least 7 ft. off the deck or patio. On a commercial installation the distance from the ground to the front bar should be at least 8 ft. depending on local codes. The pitch chart indicates that for every 12" of projection of the awning the mounting brackets should be located 3" higher than the front bar when the awning is extended (3/12 rule).

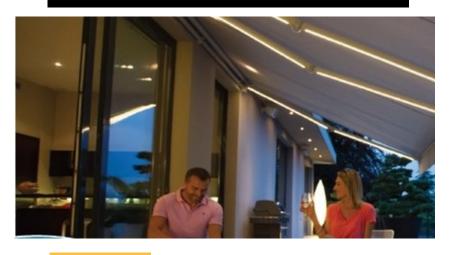


<u>For example</u>: The brackets on an awning with 10' projection needs to be mounted 9'6" from the ground on a residential installation,  $10' \times 3'' = 2'6'' & 2'6'' + 7' = 9'6"$ ). Because the ideal pitch may not always be attained, it is possible to install the awning lower than the ideal pitch. While the "3/12" rule is ideal, it is perfectly fine to install the awning with a 2/12 pitch. A 1/12 pitch is absolute minimum. Maximum pitch is  $45^{\circ}$ .

Note: A good rule of thumb is never to install a Lateral Arm Awning below 8 feet at the top of the installation bracket. If only eight feet is attainable do not install an awning with more than 10'2" projection. If the installation height is too low or the desired projection is too great for the available space the awning may have to be installed on the roof (see the installation manual for each individual model).

### OPTIONAL LED KITS FOR YOUR LATERAL ARM AWNING

## SOMFY LIGHT KITS







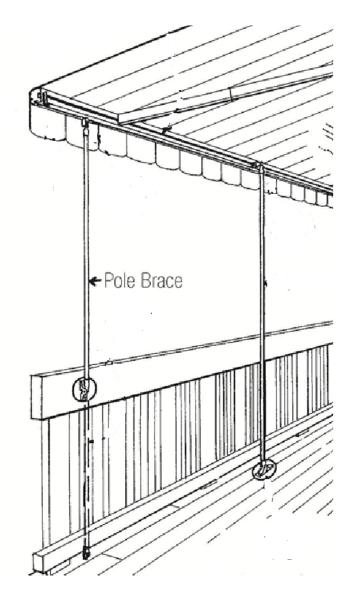
- Available in warm white and cool white colors.
- Kits available for arms on awning system.
- Compatible with the Sunea SOMFY manual override motor only.
- Uses a Dimmable remote lighting kit.
- Use a multi channel remote.
- Lights installed in the field by dealer.

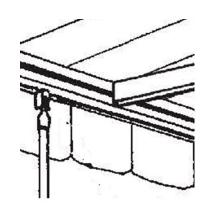
## SUNAIR LIGHT KITS

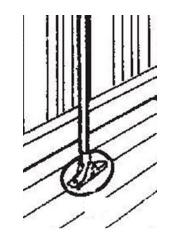


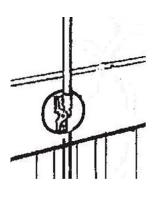
- Available in warm white color.
- Kits available for arms and front bar .
- Compatible with the Sunea SOMFY manual override motor and can be used with other motor systems as well.
- Uses a Dimmable remote lighting kit.
- Use a multi channel remote.
- Lights installed at the Sunair factory during assembly.

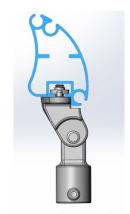
### **AU41 AWNING ASSIST BRACES**











Minimum 2 posts needed per awning.
One (1) post per arm needed.
If 3 arms, 3 posts needed.
For Sunair®, Sunstar®, and Sunchoice®
models only ( Not for Suntube® model)

models only (Not for Suntube® model). Must be released before operating awning.

### **AU41 Available Colors:**

White, Mocha, Ivory

8 ft. Long

Note: colors may not match exactly with awning frame.

Sunair® Front

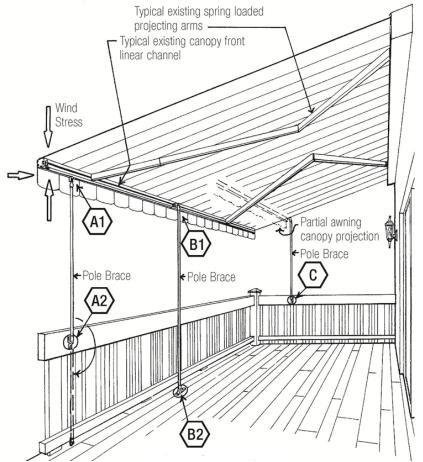


**Sunstar® Front** 

### ASSIST BRACES cont.

Typical Installation of the manually operable pole brace to a typical existing awning canopy

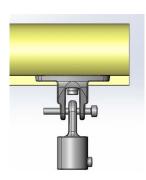
- A1 Top end of pole brace secured to bottom slot channel of existing front linear aluminum extruded channel.
- A2 Lower end secured to a existing rail or wall.
- B1 Top end of pole brace secured to rear slot channel of existing canopy front linear aluminum extruded channel.
- B2 Lower end secured to a existing ground building surface.
- C During the partial projection of a existing awning canopy the lower end of pole brace may be secured to ground surface or side rail or wall.







8 ft. posts can be cut down to desired length.



NOTE: The Assist braces provide added stability to a retractable awning when it is extended. Adding these posts does not make the awning into a stationary awning. There is also no guarantee the awning will not be damaged in wind. Damage to awning or property is NOT covered by the Sunair® warranty. Please see warranty and separate instructions for proper use of these posts.

# FRAME COLORS (STANDARD)

# Awnings & Screens\*

\*Note: See each model technical page for available frame colors.



NOTE: ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES









2018

### **ACRYLIC FABRIC COLLECTION**



Fabric covers sewn with Tenara thread.





101 Elite Toast



102 Cappuccino



106 Toffee



986/15 Textured Lt. Grey



727/15 Textured Med. Grey



107 Textured Dk. Grey



986/106 Textured Beige



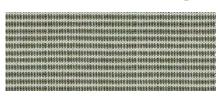
873/2 Textured Cocoa



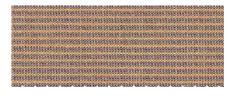
97/84 Plum

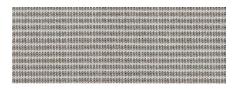


407/3 Green Classic Tweed



407/16 Moss Classic Tweed 407/14 Toast Classic Tweed





407/926 Grey Classic Tweed



926 Taupe Classic Solid



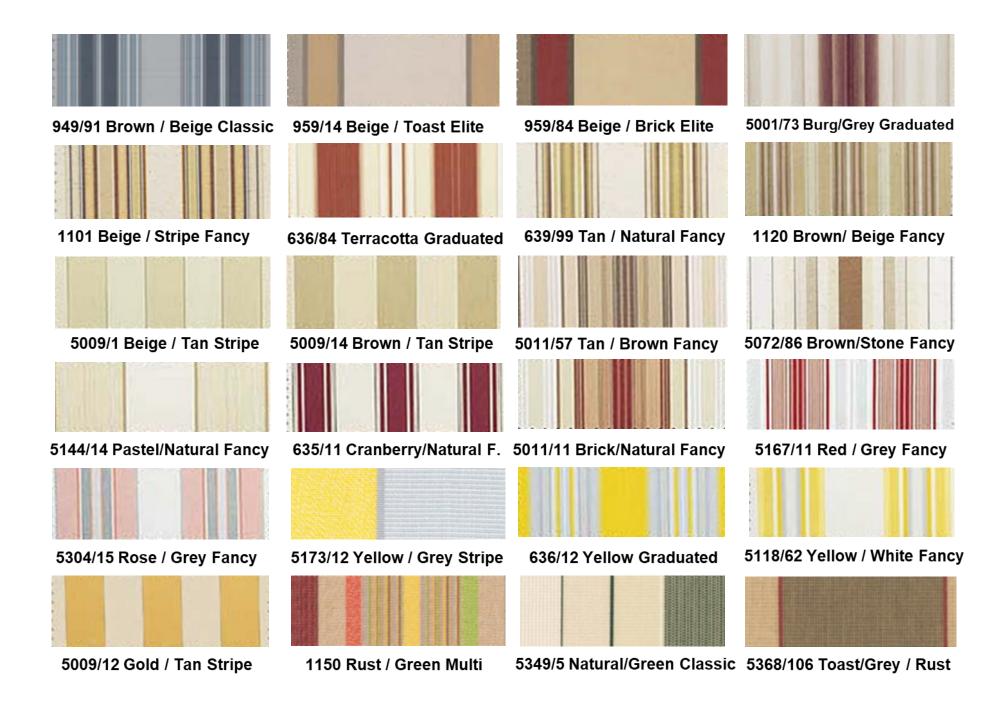
782/14 Beige Classic Solid

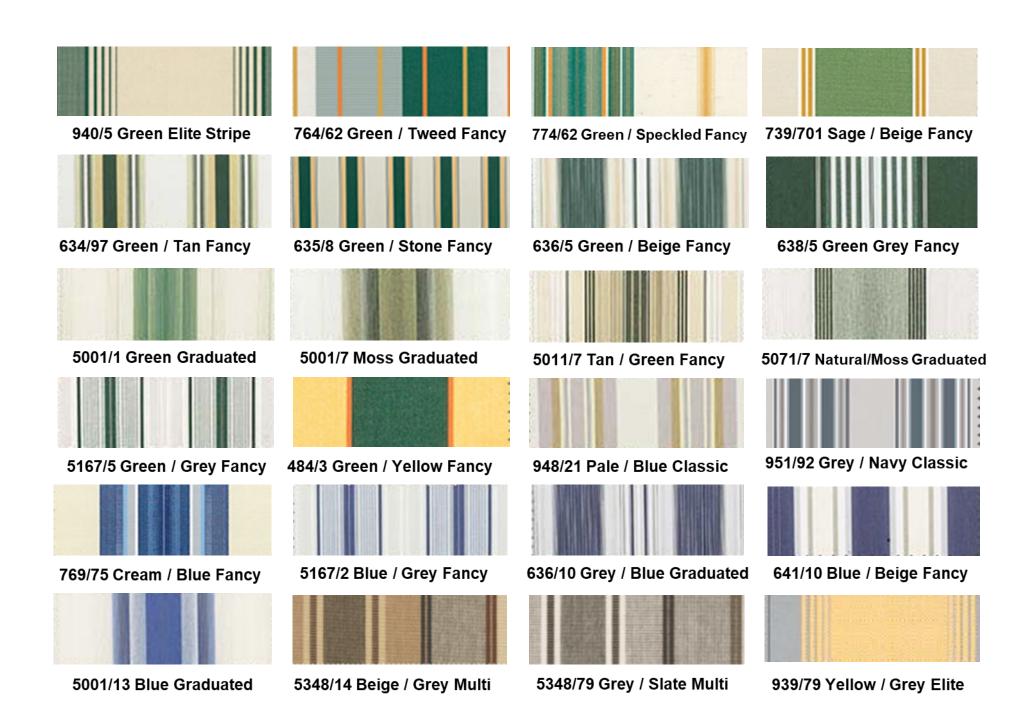


15 White

















939/94 Grey Elite Stripe

950/24 Grey / Charcoal Classic 967/926 Grey/Charcoal Elite 634/51 Grey / Natural Fancy



633/79 Grey/ Black Fancy

### **BINDING**

### **VALANCE STYLES**



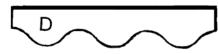
















Standard valance styles are listed here. Some styles may vary depending on the pattern and where the stripes fall. If a custom valance is required, include a well-dimensioned sketch with the order as well as instructions on style. Our standard valance is "E", if no valance style is specified, we use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



Colori e numerazioni sono identici alle tinte unite del Tempotest ; Coloris et numÈration sont les mímes 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 iquales que los lisos del Tempotest

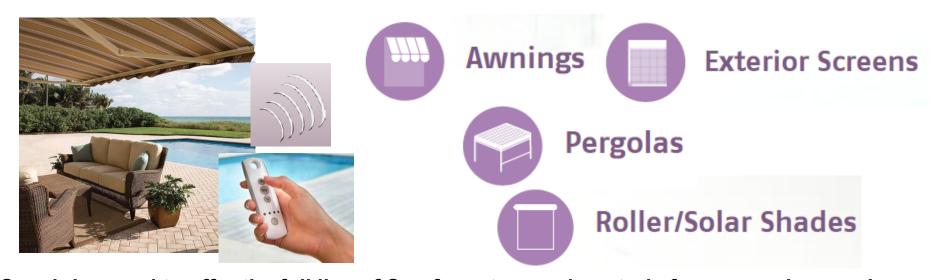


## **Index Para / Tempotest Sunair Fabric collection**

SOLIDS • TWEEDS • BLOCK STRIPES • FANCY STRIPES • GRADUATED STRIPES

Pattern	Description	Pattern	Description	Pattern	Description
101 102 106 986/15 727/15 107 986/106 873/2 97/84 407/3 407/16 407/14 407/926 926 782/14 15 15/14 4015/91 15/1 4215/15 52 14 12 53 1302 7 5 407/6 8 13 407/13 75 87 79 407/79 15/79 84 426 11 81 73	Elite Toast Cappuccino Toffee Textured Lt. Grey Textured Med. Grey Textured Dk. Grey Textured Beige Textured Cocoa Plum Green Classic Tweed Moss Classic Tweed Grey Classic Tweed Grey Classic Solid Beige Classic Solid White Raw Raw Speckled Beige Textured Tan Tan Toast Yellow Pale Peach Sage Tweed Moss Green Forrest Green Green Tweed Medium Green Ocean Blue Blue Tweed Navy Blue Fancy Blue Grey Pepper Grey Stone Dark Terracotta Terracotta Red True Brown Burgundy	407/11 24 5374 5370 35 33 37 47 969 242 68 439 809 878 116/15 931 5347/58 5348/58 5349/930 636/14 945/97 946/58 947/14 949/91 959/14 959/84 5001/73 1101 636/84 639/99 1120 5009/1 5009/1 5009/1 5011/57 5072/86 5144/14 635/11 5011/11 5167/11 5304/15 5173/12 636/12	Burgundy Tweed Black Smoke / Grey Stripe Beige / Grey Red / White Forest Green / White Yellow / White Brown / Stone Grey Fancy Stripe Grey / White Black / Grey Dark Grey / White Cream / Green Beige / White Speckled Medium Blue / White Green / Cream Wide Grey / Wheat Multi Beige / Brown Classic Brown Elite Stripe Beige Elite Stripe Beige Elite Stripe Beige / Grey Classic Brown / Beige Classic Brown / Beige Classic Brown / Beige Classic Brown / Beige Fancy Terracotta Graduated Beige / Stripe Fancy Terracotta Graduated Tan / Natural Fancy Brown / Beige Fancy Brown / Stone Fancy Brown / Stone Fancy Cranberry / Natural Fancy Brok / Natural Fancy Brok / Natural Fancy Cranberry / Natural Fancy Brok / Natural Fancy Brok / Grey Fancy Rose / Grey Fancy Yellow / Grey Stripe Yellow Graduated	5118/62 5009/12 1150 5349/5 5368/106 940/5 764/62 774/62 739/701 634/97 635/8 636/5 638/5 5001/1 5001/7 5011/7 5011/7 5071/7 5167/5 484/3 948/21 951/92 769/75 5167/2 636/10 641/10 5001/13 5348/14 5348/79 939/79 939/79 939/94 950/24 967/926 634/51 633/79	Yellow/White Fancy Gold/Tan Stripe Rust / Green Multi Natural / Green Classic Toast / Grey / Rust Green Elite Stripe Green / Tweed Fancy Green / Speckled Fancy Sage / Beige Fancy Green / Tan Fancy Green / Stone Fancy Green / Grey Fancy Green Graduated Moss Graduated Tan / Green Fancy Natural / Moss Graduated Green / Grey Fancy Green / Yellow Fancy Pale / Blue Classic Grey / Navy Classic Cream / Blue Fancy Blue / Grey Fancy Grey / Blue Graduated Blue / Beige Fancy Blue Graduated Blue / Beige Fancy Blue Graduated Beige / Grey Multi Grey / Slate Multi Yellow / Grey Elite Grey Elite Stripe Grey / Charcoal Classic Grey / Natural Fancy Grey / Black Fancy Grey / Black Fancy

### **MOTORIZATION & AUTOMATION**



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 a button on 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 11',17', & 23' lengths.







## **AVAILABLE BATTERY OPERATED REMOTES**







Telis 16 RTS Hand-held Remote

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.

Telis 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

## **AVAILABLE SENSORS & CONTROLS**





**EOLIS 3D WIREFREE™ RTS** 

Wind sensor for lateral

Arm Awnings only

The Eolis 3D WireFree™ RTS Wind Sensor is a wireless, battery powered wind sensor that will automatically retract an awning based on wind generated movements.

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.

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.











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.

Optional molded plug is available for "awning" motors only



### 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







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 wired with a traditional toggle wall switch. Screens can not be ordered with molded plugs on the end.

## 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

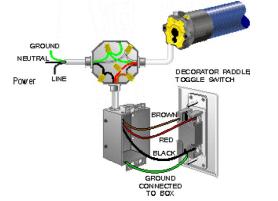
Hardwire motor cord

Wired 120V AC / 60Hz 4 conductor cable



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

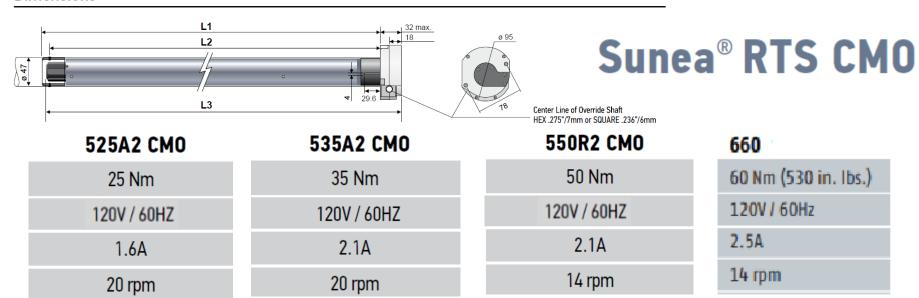
Hardwired motors with a wall switch



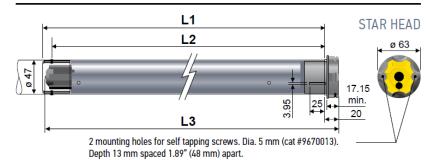




#### **Dimensions**



#### **Dimensions**



# LT50 Altus® RTS

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

## 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.









#### **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: <u>Same as Jessup</u>
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