



INSTALLATION MANUAL

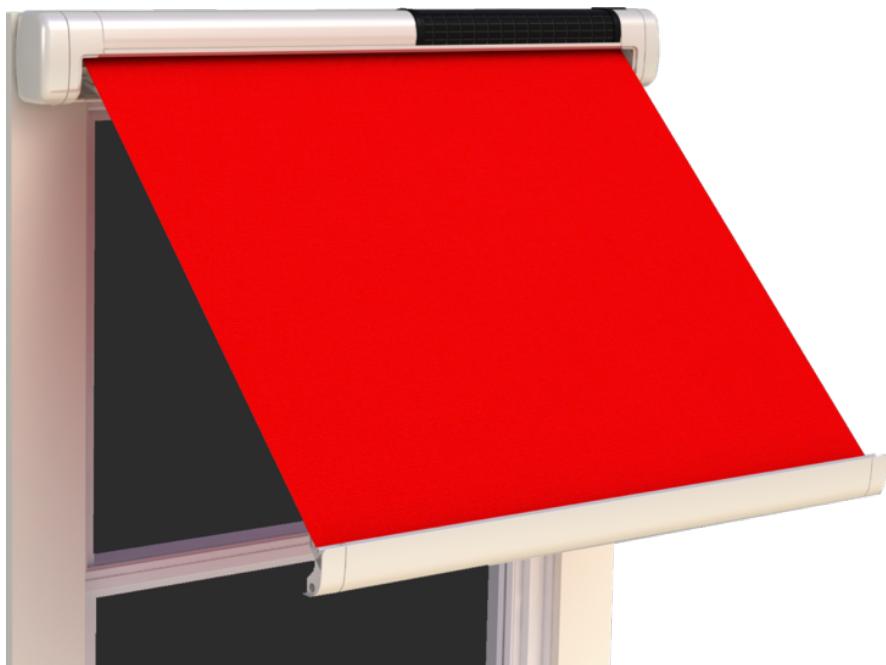
EOS

RESIDENTIAL

Autonomous Window Awning



Read this manual before installing or using this product. Failure to follow the instructions and safety precautions in this manual can result in personal injury and/or cause the product to not operate properly.



Wireless Technology

SAVE THIS MANUAL.

INSTALLERS, PLEASE LEAVE THIS MANUAL FOR OWNER'S USE.

Notices and Disclaimers

TRADEMARKS

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The SOL-LUX Eos Awning, application firmware and the SOL-LUX Mobile App software are patent pending.

The *Bluetooth*® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. Use of such marks by Carefree of Colorado is under license.

Other trademarks and trade names are those of their respective owners.

STATEMENT OF COMPLIANCE

FCC and IC identification numbers are located on the back of the awning, below the battery.

FCC COMPLIANCE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and, (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC COMPLIANCE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) These devices may not cause harmful interference and, (2) These devices must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme aux normes RSS exonérées de licence d'Industrie Canada. L'opération est soumise aux deux conditions suivantes: (1) Ces appareils ne doivent pas causer d'interférences nuisibles et, (2) Ces appareils doivent accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

FCC/IC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC and IC radiation exposure limits for an uncontrolled environment. The minimum distance between the radiator and people is designed to be 20cm when installed and operated.

Cet équipement est conforme aux limites d'exposition aux radiations FCC et IC pour un environnement non contrôlé. La distance minimale entre le radiateur et les personnes est de 20 cm lorsqu'installé et utilisé.

PROPRIETARY STATEMENT

The SOL-LUX Eos awning and the SOL-LUX Mobile App are products of SOL-LUX, located in Broomfield, Colorado, USA. The information contained in or disclosed in this document is considered proprietary to SOL-LUX. Every effort has been made to ensure that the information presented in the document is accurate and complete. However, SOL-LUX assumes no liability for errors or for any damages that result from the use of this document.

The information contained in this manual pertains to the current configuration of the model listed on the title page. Earlier model configurations may differ from the information given. SOL-LUX reserves the right to cancel, change, alter or add any parts and assemblies, described in this manual, without prior notice.

SOL-LUX agrees to allow the reproduction of this document for use with SOL-LUX products only. Any other reproduction or translation of this document in whole or part is strictly prohibited without prior written approval from SOL-LUX.

This manual is intended to assist contractors and homeowners by providing information about the characteristics of the awning. It does not relieve you of the responsibility of using accepted safety practices in the installation, operation, and maintenance of this awning.

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INTRODUCTION

Thank you for your recent purchase of the SOL-LUX Eos awning. We appreciate having the opportunity to do business with you. Our customers are our top priority, and we strive for 100% satisfaction. If you have any questions or concerns about this order, please do not hesitate to contact us.

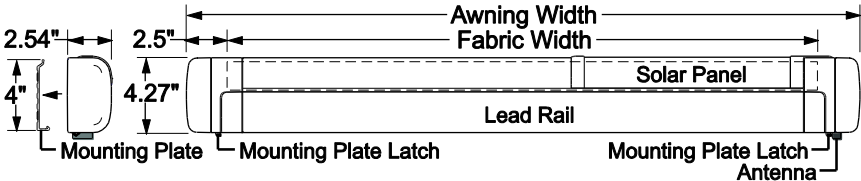
PRODUCT DESCRIPTION

The Eos Home Window Awning provides automated shade with simple to use technology and is stylized to blend with your home.

It comes ready for use with the following features:

- Solar powered;
- Automatic operation: Opens with daylight; closes when it becomes dark;
- Bluetooth enabled to allow control with your smartphone or tablet using the SOL-LUX Mobile App;
- Available in a wide variety of colors and fabrics to match your home;
- Simple installation;
- Low maintenance.

TECHNICAL INFORMATION



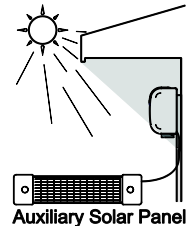
WIDTHS AVAILABLE	39" to 120" [99cm – 305cm] in 1/2" [1cm] increments
FABRIC EXTENSION	30" [76cm] (measured from cassette to lead rail)
CANOPY PITCH	45° Fixed (angle the canopy slopes down)
CASSETTE	Aluminum components with a durable powder coat finish
FABRIC	Sunbrella® Woven Acrylic Fabric
POWER	Rechargeable 9.6V Lithium Iron Phosphate Batteries (LiFePO ₄) with BCM
CHARGING	Integrated Solar Panel
CHARGING TIME	Battery comes partially charged and ready for use. It will reach full charge within 2 to 5 days depending on amount of use and the amount of sunlight the solar panel receives
AWNING WEIGHT	Base weight = 17.25 lbs. (based on a 48" awning with bracket) Add 3.25 lbs. for each additional 12" of length

AWNING POSITION AND THE SUN

The solar panel located on the top right of the awning is used to charge the Eos battery and provides light level sensing for the autonomous functions (auto extend and retract).

If the awning is mounted in a shaded area, such as directly under an eave, the solar panel functions will be diminished and may not provide adequate battery charging. For these cases, an auxiliary solar panel should be purchased and installed in an area receiving direct sunlight to increase sun level sensitivity and provide proper battery charging.

The auxiliary solar panel can be installed during the original installation or can be added after installation if needed. Installation instructions are included with the panel.



WARNINGS AND CAUTIONS



This is the safety alert symbol. It is used to alert individuals to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible personal injury or death.



Indicates a hazardous situation, which if not avoided, could result in death or serious bodily injury.



Indicates a hazardous situation, which if not avoided, may result in minor or moderate bodily injury.



Indicates a situation that may result in equipment-related damage.

GENERAL SAFETY



ELECTROCUTION HAZARD. ALWAYS maintain at least 10 feet (3 meters) from electrical sources. This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical power lines. Obey all local and governmental regulations regarding required clearance from electrical power lines. Failure to follow this warning could result in death or serious bodily injury.



Always wear appropriate safety equipment including gloves and eye protection.



FALL HAZARD. ALWAYS use a ladder that meets or exceeds the standards and requirements of the American National Standards Institute and the Occupational Safety and Health Administration. **ALWAYS** follow the manufacturer's instructions for ladder safety. Failure to follow this warning could result in death or serious bodily injury.



RISK OF FIRE. Keep all sources of heat and flame away from the awning canopy. Fabric is **NOT** fireproof.



Always use appropriate lifting devices and/or helpers when lifting or holding heavy objects.



This product can expose you to chemicals including Di-isodecyl phthalate (DIDP), Vinyl Chloride and Formaldehyde, which are known to the state of California to cause cancer or birth defects or other reproductive harm. For more information visit www.P65warnings.ca.gov

** WARNING**

Exercise reasonable care to protect the awning from damage caused by severe or inclement weather including high winds, rain, snow, or other hazardous conditions. EOS autonomous functions, including wind and weather detection, are intended to provide supplemental protection and do not guarantee prevention of damage resulting from weather conditions or other acts of nature. When severe weather is anticipated, or when the awning will be unattended for an extended period, the awning should be retracted or placed in Vacation Mode, as applicable.

INSTALLATION

TOOLS

Tools are not included with the awning. The items listed below are available at most local hardware stores. Installer must furnish the following items:

Required

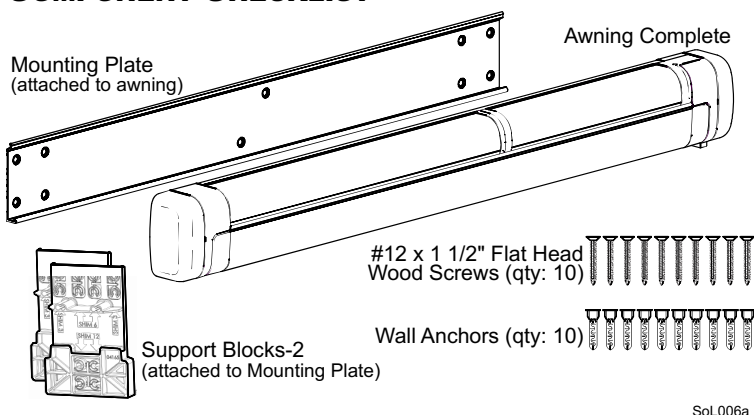
- Tape Measure
- Drill Motor/Driver
- #3 Phillips Driver Bit
- 1/8" Drill Bit *
- Pencil or marker
- Small tube of urethane-based sealant

Suggested

- Ladder
- Level
- Alcohol Cleaner
- Cleaning Rag

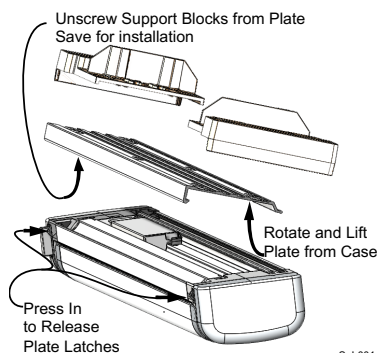
*NOTE: * Additional drill sizes may be required for some installations. Refer to page 9 for examples.*

COMPONENT CHECKLIST



UNPACKING

1. Remove the awning from the shipping carton.
2. Lay the awning face down on a non-abrasive padded surface.
3. Remove the mounting plate from the back of the awning.
 - 3.1. Press in the two latches on the bottom of the cassette to release the mounting plate.
 - 3.2. Rotate the plate up and out from the awning cassette.
 - 3.3. Set plate aside.



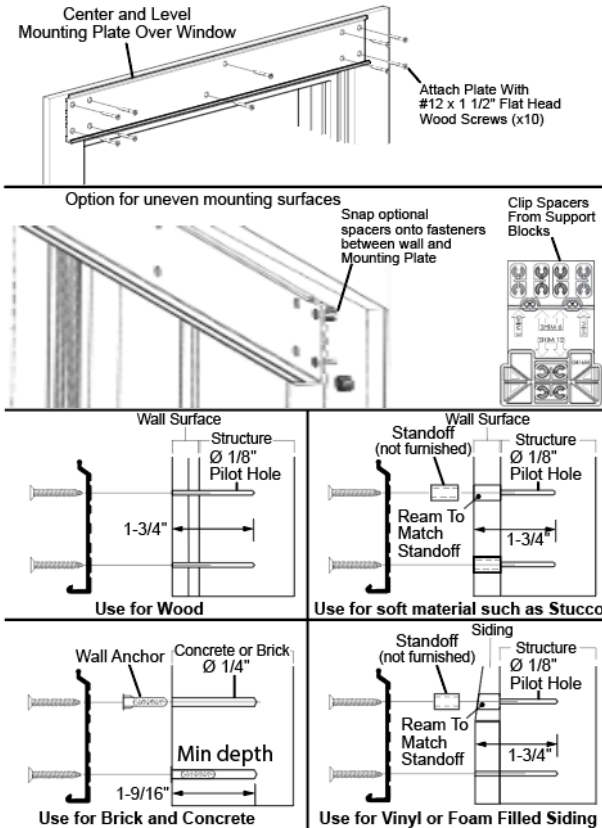
4. Remove the support blocks from the mounting plate by unscrewing them from the plate. Save these for use while mounting to the wall.

INSTALLING THE MOUNTING PLATE

The Eos window awning mounts directly above the window.

1. Prior to attaching the mounting plate, inspect and clean the mounting area. The area must be flat without ridges or irregularities. Smooth the area as required.
2. Determine the best method to attach the plate to the wall. Examples for attaching the plate are shown below.
3. Center and level the mounting plate and mark the location of the mounting holes.
4. Drill 1/8" pilot holes approximately 1 3/4" deep at the marks made in step 3.
5. Apply a quality sealant/caulk to the mounting holes to prevent water entry.
6. Lift the plate up and attach using ten (10) #12 x 1 1/2" flat head wood screws. A minimum of 8 screws is required.

NOTICE Do not over tighten the fasteners. Soft materials, such as wood, can be "stripped out" and lose the ability to grip and hold.



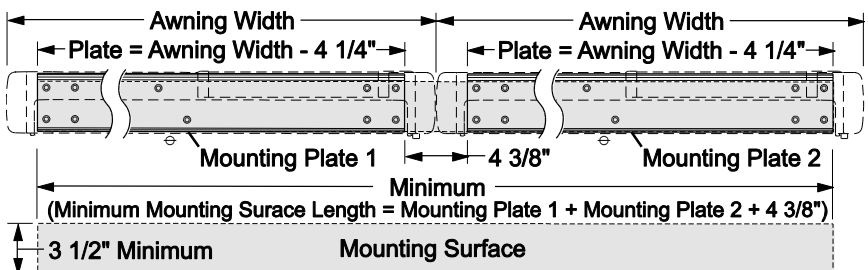
Notes about Standoffs and Spacers:

- Standoffs are generally made from rigid tube large enough to allow the screw to pass through. Standoff material is available from local hardware stores.
- Spacers are included, attached to Support blocks. Carefully clip out the required thickness spacers and snap over fastening screws behind plate.

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MULTIPLE AWNINGS

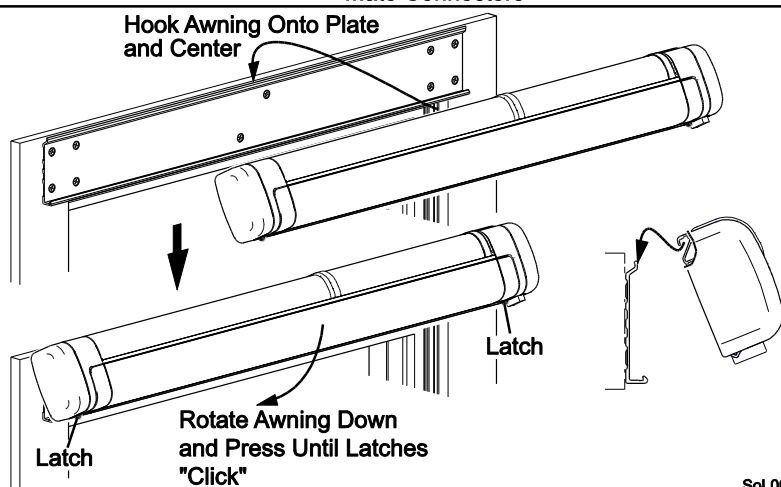
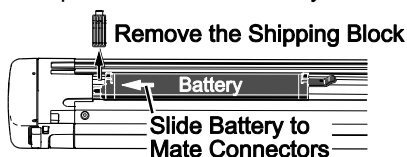
The Eos Awning is available up to 120". For widths that are greater than 120" it is possible to mount two shorter awnings side by side to maximize coverage of the area. Example for a 150" wide window, order two 75" awnings.



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MOUNTING THE AWNING

1. On the back of the awning, remove the shipping block between the battery and housing. Slide the battery in to mate the connectors. The tab will "ratchet" and lock as the battery is being moved into place. The awning will sound three (3) short beeps to indicate the battery is connected.



Sol004

2. Lift the awning and hook onto the mounting plate. Center the awning.
3. Rotate the awning down onto the bracket. Press the bottom of the awning until the latches "click".

NOTICE If any extra force is required to engage the latches, the mounting plate is not flat and will require shimming. The mounting plate **MUST** be mounted flat to allow the awning to snap on easily. Failure to do so will result in improper operation of the awning.

AUTOMATIC CALIBRATION

When the Eos is properly mounted and stationary for 1 minute, the awning will detect that the installation is complete and start the calibration.

- One short beep indicates that the awning is ready to begin the calibration.
- There will be an audible 30 second countdown.
- The Eos will open and close as part of the calibration.
- After the calibration, the awning will function based on the factory preset automatic function settings.

NOTE: After calibration, the Bluetooth connectivity remains in an unlocked state for 15 minutes so you can pair your devices using the SOL-LUX Mobile App. After 15 minutes, the Bluetooth connectivity is locked. Refer to the SOL-LUX Mobile App manual for pairing your devices at a later date.

SOUND NOTIFICATIONS

Beep Pattern	Meaning
■■■■■ 3 short beeps	• Battery connected
■■■ 1 short beep	• Awning recognizes calibration request • Calibration complete
■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■ Persistent long beeps that become short, frequent beeps	• Awning is starting the calibration.
■■■■■ 1 long beep	• The awning failed calibration due to wind or movement.
■■■■■ ■■■■■ 2 long beeps	• Awning failed calibration • Obstruction prevented the awning from fully extending during calibration. • The awning is not level.
■■■■■ ■■■■■ ■■■■■ 3 long beeps	• Battery charge is too low to attempt calibration.
■■■■■ ■■■■■ ■■■■■ ■■■■■ 4 long beeps	• Battery temperature is out of operating range.

AUTO RECALIBRATION

To maintain optimal performance over the life of the product, the Eos will perform an auto recalibration every 100 days of continuous operation.

The recalibration occurs during the next extend operation immediately following a completed 100-day cycle. The awning will open and close as part of the calibration then open to the normal extension.

If the awning fails recalibration, the awning will sound the appropriate beep pattern alert, retract, enter service mode, and reattempt to calibrate once every 24 hours until it either succeeds or the battery becomes critically low.

Causes for a calibration failure are listed on the next page.

AWNING FAILED TO CALIBRATE

Calibration may fail because of the following reasons:

- ***Awning is not level and/or plumb.*** During calibration, the Eos checks its position. If the awning tries to calibrate in an incorrect position, calibration will fail. Remount the awning.
- ***Battery charge is too low.*** Allow the battery to charge with direct sunlight shining on the Eos solar panel.
- ***Battery or awning temperature is out of operating range.*** As a safety precaution, when the internal battery or awning temperature is outside the safe operating range, the awning will not calibrate until the temperature is within range.
- ***Obstruction in lead rail path.*** If an obstacle stops the awning from opening fully, the calibration will fail. Clear the obstruction.
- ***High wind detected.*** If wind (or motion) is detected during the calibration cycle, the awning will retract and retry the calibration sequence after a 24-hour delay. Briefly disconnecting and the reconnecting the battery will reset this delay to 1 minute. Alternately, the Sol-Lux Mobile App can be used to initiate a calibration.

AUTONOMOUS FUNCTIONS

The Eos awning has built-in functions with factory preset values for automatic operation. See the Sol-Lux Mobile App manual for more information.



AUTOMATIC OPEN AND CLOSE

The Eos automatically opens and closes based upon the amount of sunlight that is detected.



When the factory preset sunlight level is matched or exceeded for the extension delay time, the awning will extend.

When the light drops below the factory preset level and stays below the preset level for the retraction delay time, the awning will retract.

INCLEMENT WEATHER DETECTION

The Eos can detect inclement weather to prevent damage to the awning.



WIND SENSING

The Eos can detect and react to excessive motion due to windy conditions. When the motion level equals or exceeds the factory preset value, the awning will retract to prevent the awning from being damaged due to wind.

After the wind extend reattempt delay time, the awning will extend if conditions still warrant awning extension. If the wind is persistent and causes the awning to close, the 2nd wind extend reattempt delay time will double from the original value. The second value will continue until a safe extension is completed or until a new autonomous operation cycle begins. Your EOS window awning should be set on vacation mode during times of bad weather such as expected hurricanes or snowstorms or if you will not be at your residence for an extended period of days.



LOW TEMPERATURE

To allow sunlight to warm the interior of your home on cold days, temperature sensing is used to pause autonomous operation. When the awning temperature is below the factory preset of 40°F the awning will not open. If the awning is open and the temperature drops below the setting, it will close.

Awning temperature is monitored with a sensor in the RH arm of the awning. This can be influenced by the environmental conditions and the colors of the case and canopy. The awning temperature may not match the actual ambient outdoor temperature.



SNOW LOAD SENSING

The Eos can detect accumulations of snow on the canopy. The awning will attempt to fully retract and remain so until the temperature is above 50°F for an hour. Snow would likely be melted by this time, and the awning should be able to resume normal operation.

1. Clear all the accumulated material from the awning.
2. If the load material blocks the lead rail from closing completely, the awning will then change to obstruction detected.



OBSTACLE SENSING

If the lead rail comes in contact with an obstacle while operating, the Eos will stop. When this happens, do the following:

1. Clear the obstacle from the lead rail travel path.
2. Briskly shake the lead rail to simulate a strong wind. The awning will close. Normal operation will resume after the wind extend reattempt delay time has expired (see Wind Sensing).
3. When using the SOL-LUX Mobile App:
 - a. If the awning was blocked while opening, close the awning using the retract button.
 - b. If the awning was blocked while closing, open the awning using the extend button. Normal operation will then resume.



BATTERY MONITORING

The Eos monitors the battery condition to ensure safe and reliable awning operation.

Charge – If the battery charge level falls below 7%, the awning will not open. If the awning is open when this occurs, it will close until the battery is sufficiently charged to resume normal operation.

Temperature – If the internal temperature of the battery is too high or too low, the awning will close and disable operation. This is a safety setting. When the internal temperature returns to within the acceptable temperature operating range, normal operation will resume.



SERVICE MODE

If it becomes necessary to service your Eos, the awning may be placed in Service Mode. Autonomous functions will be disabled while in this state.

1. Manually close the awning if open (see page 16).
2. Remove the awning from the mounting plate (see page 16).
3. Disconnect the battery (it is not necessary to remove the battery).

FACTORY PRESET VALUES FOR AUTONOMOUS FUNCTIONS

	Daylight Sensitivity:	 OPEN  CLOSE	See NOTE
	Extension Delay Time	1 Minute	See NOTE
	Retraction Delay Time	20 Minutes	See NOTE
	1 st Extend Reattempt Delay Time	60 Minutes	See NOTE
	2 nd Reattempt Delay Time	120 Minutes	See NOTE
	Minimum Operating Awning Temperature	40°F (4.5°C)	See NOTE
	Minimum Charge	7%	Fixed
	Maximum Internal Battery Temperature	140°F (60°C)	Fixed
	Minimum Internal Battery Temperature	5°F (-15°C)	Fixed

NOTE: Preset values may be adjusted with the SOL-LUX Mobile App.

BATTERY

The Eos uses a rechargeable 9.6V Lithium Iron Phosphate Batteries (LiFePO₄) battery pack.

The battery is charged by the integrated solar panel located on the top right of the cassette. The battery comes partially charged and ready for use. It will reach full charge within 2 to 5 days depending on the amount of use and the amount of sunlight the solar panel receives. Charging time will be slower during cloudy or overcast conditions. The battery will continue to charge from sunlight as long as the battery temperature remains within the safe charging range.

Important Note: If a low battery condition is displayed in the app, the battery must be charged by placing the solar panel of the awning in direct sunlight. An auxiliary solar panel may be necessary depending on the location of the awning and the ability for the integrated solar panel to receive direct sunlight (refer to page 5). Failure to charge the battery in a timely matter will result in a dead battery that can no longer be charged and must be replaced for continued operation.



CAUTION

The battery used in this product may present a risk of fire or chemical burn if mistreated.

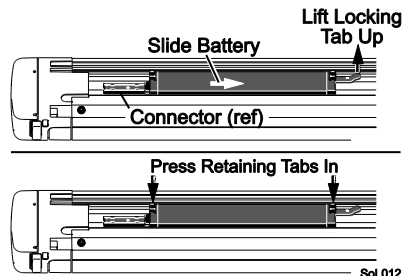
- Do not attempt to disassemble or destroy the battery. There are no user serviceable parts.
- Do not incinerate or dispose of in fire.
- Replace the battery with SOL-LUX battery part # 012687-003 only.



This product contains a Lithium Iron Phosphate (LiFePO₄) battery. To preserve natural resources, please recycle or dispose of batteries properly. Consult your local waste authority for information regarding available recycling and/or disposal options.

REMOVING THE BATTERY

1. Remove the awning from the mounting plate (see page 16).
2. Lay the awning face down on a padded surface.
3. Lift the locking tab and slide the battery to the right until the connector clears the housing.
4. Press in the two (2) retaining tabs and rotate the battery out of the cassette.



NOTES:

- When the battery is disconnected, the awning will be reset. After the battery is reconnected and the awning is correctly mounted the awning will perform a calibration (refer to page 11).
- The SOL-LUX Mobile App will remain paired to your smartphone or tablet if previously paired before the battery was disconnected.
- Scheduled events (Daily Schedule and Vacation mode) are not saved and must be entered when the battery is reconnected.
- The autonomous functions may be activated through the Service screen of the SOL-LUX Mobile App.

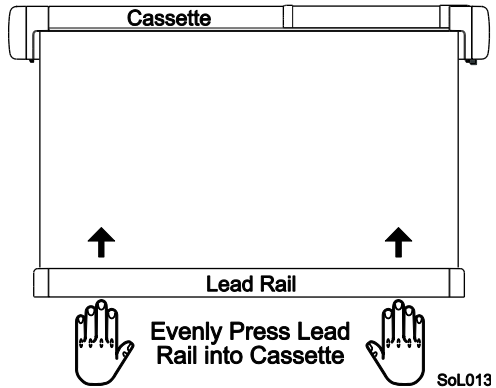
MANUALLY CLOSING THE AWNING

The Eos awning can be closed manually.

Using both hands, gently press the lead rail into the cassette. Apply pressure evenly to both sides of the lead rail.

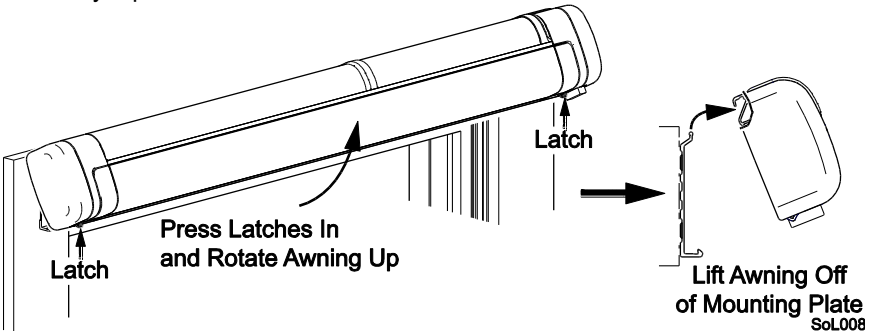
The fabric will roll up into the cassette.

NOTE: After closing the awning, the lead rail may “relax” and move out from the cassette a little. This is normal. The awning is secure and can be removed for service.



REMOVING THE AWNING

The awning may be easily removed from the mounting plate for storage, service or battery replacement.



1. Retract the awning either by shaking the lead rail to simulate wind, closing manually as described above, or by using the Sol-Lux Mobile App.
2. Press the latches in and rotate the awning up.
3. Lift the awning up and off the mounting plate.

NOTE: It is not necessary to remove the mounting plate from the window.

AWNING CARE

Maintaining an Eos Awning is easy. Just follow these basic steps:

- Always operate the awning according to the instructions.
- Keep the awning fabric and solar panel clean.

NOTICE Do not use oil-based cleaners or any caustic, granulated, or abrasive type cleaners on your Eos product.

FABRIC CARE

1. One of the best ways to keep the fabric looking good and to delay the need for deep or vigorous cleanings is to hose fabrics off monthly with clear water. This practice will help prevent dirt from becoming deeply imbedded in the fabric. In most environments, a thorough cleaning will be needed every two to three years.
2. When it is time for a thorough cleaning, the fabric can be cleaned while still on the awning frame. Use a stiff brush and warm water with soap.
3. When cleaning the fabric, it is important to observe the following:
 - Always use a natural soap, never detergent.
 - Water should be cold to lukewarm, never more than 100°F.
 - Air-dry only. Never apply heat to the fabric.
 - Always allow the fabric to dry thoroughly before closing the awning.

MILDEW

Mildew is a fungus growth that looks like dirt. Under ordinary conditions, mildew will not appear. The Sunbrella Marine Acrylic Fabrics used in the Eos have additives that resist mold and mildew. However, in areas where high temperature and humidity are common, mildew can be a problem and require the fabric to be washed more frequently. Thoroughly rinse the fabric with clean water and allow to air dry completely before closing the awning. In the event of any mold and/or mildew growth, our Sunbrella fabrics are bleach cleanable to remove any stains. This will not fade the fabric as the woven fibers of Sunbrella fabric are individually dyed. If fabric does become wet and the awning is retracted, it should be extended so the fabric can breathe and dry.

ARM CARE

The best method of keeping the awning support arms operating smoothly is to clean them. Dirt and debris can cause the arms to not pivot easily. Periodically wash the arms with running water (i.e. a hose). If the joints do not move easily, lightly spray the joints with a dry silicone lubricant after the arms have been cleaned and dried thoroughly.

CASSETTE

Clean the exterior cassette hardware at least twice per year, or as needed, using fresh water to help prevent corrosion from salt and other contaminants.

FREQUENTLY ASKED QUESTIONS

This section covers the autonomous functions. Additional information for the SOL-LUX Mobile App is in the app manual available online at www.sol-lux.com.

WHY IS MY AWNING NOT OPERATING?

<u>Cause</u>	<u>Description</u>
<u><i>Calibration required.</i></u>	The awning must be calibrated before the autonomous functions are active. Refer to page 11.
<u><i>Low light level.</i></u>	The ambient sunlight is not bright enough to match or exceed the required light level threshold required for the awning to extend. If the awning is open and this occurs, it will close.
<u><i>Awning temperature.</i></u>	When the awning temperature is below the preset value the awning will not extend. If the awning is open and this occurs, it will close. When the awning temperature rises above the preset value, normal operation will resume.
<u><i>Battery temperature.</i></u>	If the battery's internal temperature is outside the safety limits, the Eos will disable operation. If the awning is open when this occurs, it will close. When the internal temperature returns to within the safe operating range, normal operation will resume.
<u><i>Battery charge level.</i></u>	If the battery charge is too low the awning will not open or will automatically close if open. Allow the battery to recharge. The awning will return to normal operation when the battery exceeds the minimum charge level.
<u><i>Obstruction detected.</i></u>	An obstacle is blocking the lead rail travel path. Refer to page 14.
<u><i>Wind detected.</i></u>	The Eos will retract when wind causes excessive movement of the awning. The awning will attempt to extend after the wind reattempt delay time has expired and there is sufficient light. If the wind is still present, the awning will close until the 2 nd wind reattempt delay time has expired. Refer to page 13.

THE SOL-LUX MOBILE APP



The SOL-LUX Mobile App allows you to interact with your awning(s) from your mobile device. The app provides access to enhanced features and additional options. The mobile app may be used on any device that supports current iOS or Android operating systems and Bluetooth low energy technology.



For personalized operation controls visit your app store for your smart phone or tablet and download the free SOL-LUX Mobile App.

NOTE: Certain operating systems may have permissions that must be granted before Bluetooth can communicate with your awning. Be sure to read the app manual and/or the quick connect guide before using your device with your awning.

The SOL-LUX Mobile App provides programmable controls and status readings for:

	Real-time open and close with the touch of a button.
	Time delay settings for automatic open and close.
	Sunlight sensitivity.
	Wind sensitivity and extend reattempt delay time.
	Minimum awning temperature for automatic operation.
	Real time awning temperature monitoring.
	Time of day scheduling for open and close functions.
	Vacation disables to prevent operation while away.
	Control of multiple Eos awnings.
	Battery monitoring including charge level and internal battery temperature.
	Notification screens for awning status information.
	Service Mode setting.

NOTE: The awning will be in open pairing mode for 15 minutes after installation and will not require a security PIN (Personal Identification Number).

After 15 minutes or when adding an additional mobile device, you must use the awning's PIN. For 10-digit serial numbers the PIN is the last 4 digits of the serial number (XXXXXXXXXX). For 12-digit serial numbers, the PIN is digits 7 through 10 of the serial number (XXXXXXXXXX). The serial number can be found on the label affixed to the back of either the installation manual or the awning itself. The PIN can also be found by contacting Sol-Lux customer service.

Visit www.sol-lux.com to download the SOL-LUX Mobile App Manual.



SOL-LUX® NON-TRANSFERABLE LIMITED

WARRANTY

This warranty is non-transferable and applies only to the original retail purchaser.

Sol-Lux®, a brand of Carefree of Colorado (“Sol-Lux”), warrants to the original retail purchaser (“Purchaser”) that Sol-Lux products (“Product”) shall be free from defects in materials and workmanship under normal use and service, subject to the terms, conditions, limitations, and exclusions set forth below.

Sol-Lux’s sole obligation, and Purchaser’s sole recourse, under this Warranty is limited, at Sol-Lux’s sole discretion, to the repair or replacement of any defective component using new or factory-refurbished parts during the applicable warranty period.

1. WARRANTY PERIOD

- a. **Five (5) years** limited Warranty on the Product, excluding installation and labor.
- b. Warranty coverage begins on the **date the Product is shipped from Sol-Lux**, not the date of purchase, delivery, installation, repair, or first use.

2. WHAT IS COVERED

This Warranty exclusively covers Purchaser claims of defects in materials and workmanship under normal use during the warranty period (“Claims”) for the following components and conditions.

- a. **Awning Fabric** – applies to Claims of significant manufacturing defects only.
 - Excludes minor blemishes, normal wear, pinholes, color fading, or cosmetic variations.
- b. **Awning Extrusions, Hardware, and Finishes** – applies to Claims of significant manufacturing defects only.
 - Excludes minor blemishes, normal wear, oxidation, or gradual finish fading.

Freight on Approved Warranty Parts

Sol-Lux will, at its sole discretion, pay standard freight charges for approved warranty replacement parts using Sol-Lux’s chosen shipping method.

Labor

Labor required to replace or repair a defective component is covered for one (1) year from the date the Product is shipped from Sol-Lux.

Sol-Lux may, at its sole discretion, elect to provide labor through a certified Dealer or reimburse labor costs. Any labor reimbursement shall be determined by the Carefree Labor Flat Fee Payment Schedule.

Labor costs to access Sol-Lux components installed in concealed or hard-to-reach locations may be excluded from Warranty at Sol-Lux's sole discretion.

3. WHAT IS NOT COVERED

This Warranty does **not** cover:

- a. Damage present but not reported at the time of delivery.
- b. Damage or failure not caused by defects in materials or workmanship, including but not limited to damage caused by neglect, misuse, accident, improper storage, wind, rain, water pooling, snow, ice, weather events, or acts of God.
- c. Damage from abuse, neglect, or failure to operate, maintain, or store the Product in accordance with Sol-Lux instructions.
- d. Damage from improper or inadequate installation, adjustment, or mounting, including failure to properly fasten the awning to adequate structural members.
- e. Damage arising out of or relating to electrical services, surges or equipment failures.
- f. Cosmetic damage and normal wear and tear, including periodic adjustments.
- g. Components not manufactured or sold by Sol-Lux.
- h. Use of non-approved third-party components or accessories not expressly authorized in writing by Sol-Lux.
- i. Damage resulting from leaving retractable awnings extended during adverse weather conditions.
- j. Stretching of fabric or damage to structural components caused by external factors such as wind or water pooling.
- k. Failure or damage to lateral arms or arm components.
- l. Any product purchased from a non-authorized dealer or third-party reseller.
- m. Labor costs associated with installation, removal, or reinstallation of an awning.
- n. Freight expenses to and from Sol-Lux, unless expressly stated otherwise herein.
- o. All claims arising from the use of the Sol-Lux Mobile App and related software, which is provided "as is" without warranty of any kind, express or implied.
- p. No person or entity other than Sol-Lux is authorized to make any representations or warranties regarding the Product.
- q. Any incidental, indirect, or consequential damage, including loss of use, property damage, or economic loss.

This Warranty is not transferable. Any removal, modification, or alteration of any Product component or safety device shall void this Warranty in its entirety.

4. PURCHASER RESPONSIBILITIES

To maintain Warranty eligibility, the Purchaser must:

- a. Retain and provide the original, **dated proof of purchase**.
**Note that Sol-Lux may choose to waive this requirement at its sole discretion if Sol-Lux is in possession of the Product warranty registration.*

- b. Submit a warranty claim to Sol-Lux of missing or damaged parts **within thirty (30) days of delivery** as set forth in Section 5. Failure to do so voids replacement eligibility.
- c. Inspect the Product upon delivery for condition and proper orientation and immediately report any non-conformity.
- d. Ensure the Product is installed strictly in accordance with the applicable Sol-Lux installation instructions.
- e. Perform all routine maintenance as outlined in accordance with the applicable Sol-Lux product documentation.
- f. Operate, store, and maintain the Product responsibly and in accordance with all instructions.
- g. Keep fabric dry and free of debris prior to retraction. Never store wet fabric for extended periods.
- h. Retract awnings during inclement weather such as wind, rain and snow, or when unattended. *Note: Wind and sun sensors are to be used as supplemental protection only. The use of these components does not guarantee damage prevention.*
- i. Provide photographs, videos or other evidence of claimed defects upon request.
- j. Obtain a Return Authorization (RA) prior to returning any Product or component, and return items freight prepaid pursuant to further instruction from Sol-Lux.

5. WARRANTY CLAIM PROCEDURE

To initiate a Warranty Claim, contact Sol-Lux Customer Service in writing during the warranty period.

Sol-Lux may, in its sole discretion, require additional support for a Claim, including but not limited to:

- a. Proof of purchase
- b. Detailed description of the issue
- c. Photographic or video evidence

Sol-Lux reserves the right to:

- a. Supply only the parts required to address the approved Claim
- b. Inspect returned components prior to approval of Claim

If Sol-Lux determines upon inspection that a submitted claim is invalid, inaccurate or misrepresented, Sol-Lux reserves the right to i) charge the Purchaser for all incurred shipping, handling, and inspection costs and ii) decline Purchaser's request for Warranty service.

6. SOLAR-POWERED BATTERY COMPONENTS

Solar-powered battery components include a five (5) year limited, prorated Warranty covering manufacturing defects:

- **Years 0-2:** Sol-Lux will provide Purchaser with a replacement solar battery at no charge.
- **Years 2-5:** Sol-Lux will provide Purchaser the opportunity to purchase a replacement solar battery through Sol-Lux at **50% off** the current standard retail price.

- **Labor costs, installation and any other related costs or expenses** associated with battery installation are **not** included in this Warranty.

7. LIMITATION OF LIABILITY

THIS WARRANTY PROVIDES SPECIFIC LEGAL RIGHTS; ADDITIONAL RIGHTS MAY EXIST UNDER APPLICABLE LAW.

Except as expressly stated, Sol-Lux disclaims all other warranties, express or implied by law, course of dealing, course of performance, usage of trade, or otherwise, including warranties of merchantability or fitness for a particular purpose.

Notwithstanding anything in the foregoing, Sol-Lux's total liability shall not, under any circumstance, exceed the purchase price paid for the Product (excluding freight, taxes or other associated costs). Sol-Lux shall not be liable for any claims arising from or related to personal injury, property damage, economic, incidental, indirect or consequential losses.

8. NO CHANGES TO WARRANTY

No individual, dealer, installer, company or entity other than Sol-Lux is authorized to alter, modify or extend this Warranty.

9. PRODUCT CHANGES

Sol-Lux reserves the right to improve or modify product design or components without obligation to retrofit previously manufactured or installed products.

SERVICE AND SUPPORT

	www.sol-lux.com	
	support@sol-lux.com	
	SOL-LUX 2145 W. 6 th Ave. Broomfield, CO 80020	

Save this page!

The label contains important information about your awning.

Place product label here



SOL-LUX®