

WHAT'S INCLUDED
Orbit REEF LED Mini LOOP Bluetooth

Each Orbit REEF LED includes:

Item	Description	Quantity
A	Orbit REEF LED Light Fixture	1
B	12V DC Power Supply, UL® Listed	1
C	Cable Wraps	2
D	Extension Cable	1

Each Mini LOOP BT Controller includes:

F	LOOP Mini Controller w/Bluetooth	1
G	Temperature Sensor	1
H	3M Adhesive	1
J	Mounting Bracket	1
K	Wood Screws	2

Note:

If your Orbit REEF LED is missing any components, please contact us directly at www.current-usa.com.

DO NOT RETURN TO RETAILER


INSTALLATION
1 UNPACK

Remove all items from packaging.

2 MOUNT LIGHT*

**This light MUST be used with a mounting option (SOLD SEPARATELY).

Mount LED light to either:

1. Flex Arm Tank Mount
2. Flex Arm Stand Mount
3. Hanging Kit
4. Swivel Bracket

Use the instructions included with each mounting method to install the selected mounting option to your LED light.

MOUNT CONTROLLER

1. Locate a mounting position for controller, ensuring it is in a dry place away from dripping water or salt creep.
2. Clean mounting location of any dirt using a damp rag. Ensure all cables, including temperature sensor, reach freely.
3. Attach Controller bracket (J) to cabinet using 2 wood screws or 3M adhesive (H) (included.)
4. Attach controller to cabinet by sliding vertically into mounting bracket.

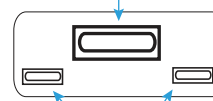


Manual
Control Key

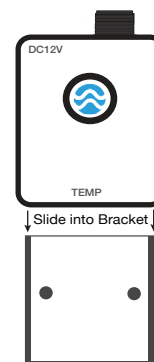
TOP


12V DC
Power LED Light
Connector

Temperature
Sensor

BOTTOM


microUSB
HUB Connections



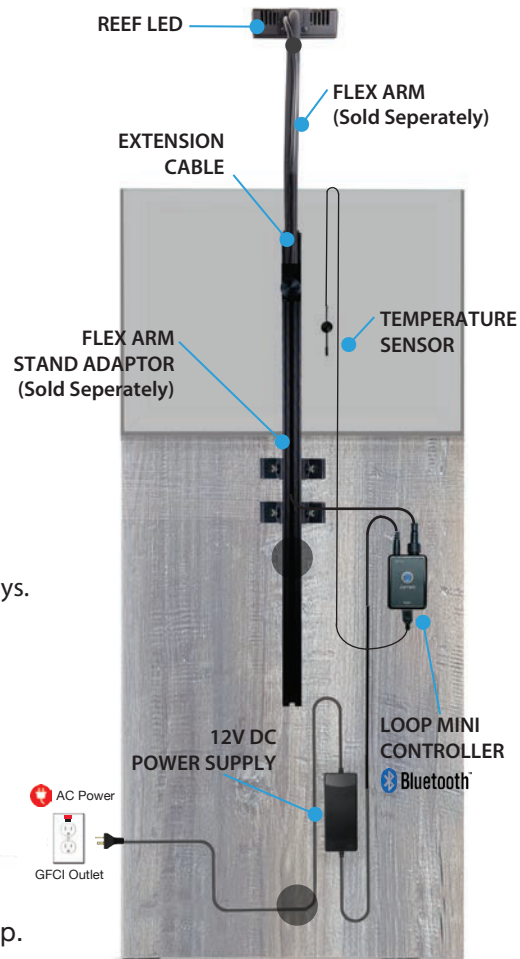
4 CONNECT

1. Connect included Extension Cable to REEF LED Light.
2. Connect REEF LED light to Mini Bluetooth controller by gently pushing LED cable into top 3-pin connector and tightening.
3. Place temperature sensor into sump or aquarium and attach using suction cup.
4. Connect Temperature sensor to Temperature USB port located on the bottom of controller.
5. Slide Mini Bluetooth controller into controller mount.
6. Plug 12V DC power supply into a GFCI outlet, ensuring a drip loop.
7. Connect power supply plug to controller, controller key ring will BLUE indicating power is now ON.

5 CLEAN UP

Use cable wraps to organize excess cords, clean and maintain light every 30 days.

- Regularly examine light fixture and components. Remove from service if any salt creep, water or damage is found.
- Do not lay objects on top of light, controller or power supply. Do not stack power supplies.
- Unplug lighting system from the GFCI power outlet when cleaning to prevent any electrical shock hazards.
- Regularly clean fan and heat sink fins using a can of compressed air.
- Wipe system with damp cloth. DO NOT use ammonia based cleaners.
- ALWAYS ensure power supply is plugged into a GFCI outlet using a drip loop.
- This light is not water proof. Do not submerge or mount close to water.



CONTROLLER OPERATION AND FEATURES

Controller Key Ring displays status of controller. There are status 4 indicators:



BLUE - Indicates normal operation. Press once to activate feed mode.

PURPLE - Indicates controller is in manual feed mode (will resume after 10 min.)

WHITE - Indicates controller is in manual ON (Daylight setting) mode. Press Key for 3 seconds, LED light will turn ON to Daylight setting. Press a again for 3 seconds to resume app settings (Bluetooth.)

GREEN - LOCK feature, locks the controller settings and prevents other mobile devices from connecting to controller. Press and hold Key for 6 sec. to lock settings. Press and hold for 6 sec. to unlock.

RED - Voltage issue. Ensure ONLY 12VDC power is connected.

MOBILE DEVICE CONNECTION


IMPORTANT! The LOOP APP does NOT require a PIN code for Bluetooth connection. Please use the connecting instructions below.

1. Download the latest version of LOOP app:

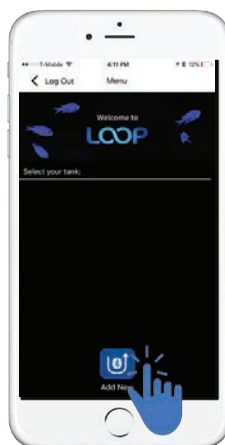
www.current-usa.com/app



2. From your phone's Settings screen, search for Bluetooth and make sure it is turned on by moving the slider button to the right (please do not try to connect LOOP through this setting*.)



3. Open the LOOP App.



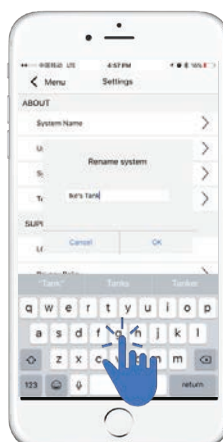
4. Press Add Device.



5. Select LOOP



6. Select LOOP



7. Rename system



8. Back to HOME

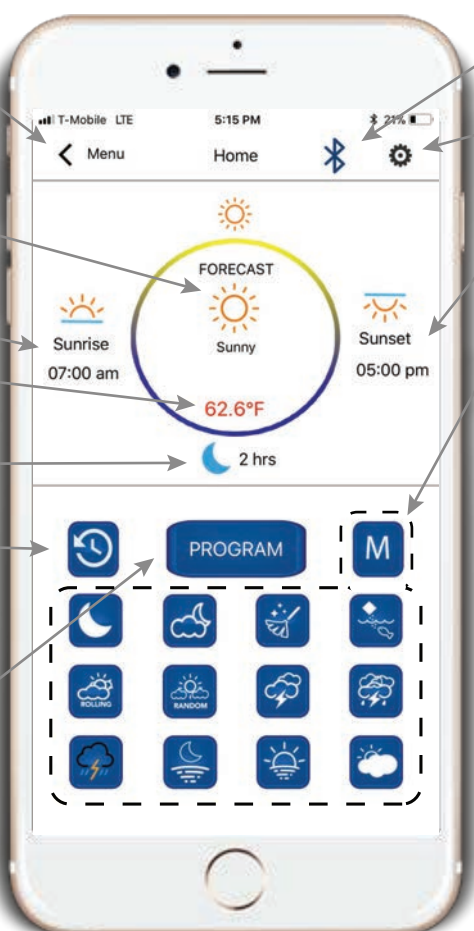
The *LOOP app does NOT require a PIN code or use the built-in Bluetooth pairing in your mobile device - the app itself will connect with your device using its own software.

For connection tips and troubleshooting, go to
www.current-usa.com/app



Programming LED Lights

The Home screen provides an overview of your aquarium system, including daily light cycle, weather, water temperature, wireless connection status, on-demand effects and access to programming features.



< Menu
Tap to return to system selection screen and log out

Displays current Weather Forecast

Sunrise ON Time

Temperature
Green - within range
Red - outside range

Moonlight Duration

RESUME
Tap to exit any on-demand mode and return system to timer mode.

PROGRAM
Tap to access lighting & pump programming

Wireless connection status
Blue indicates active Bluetooth connection

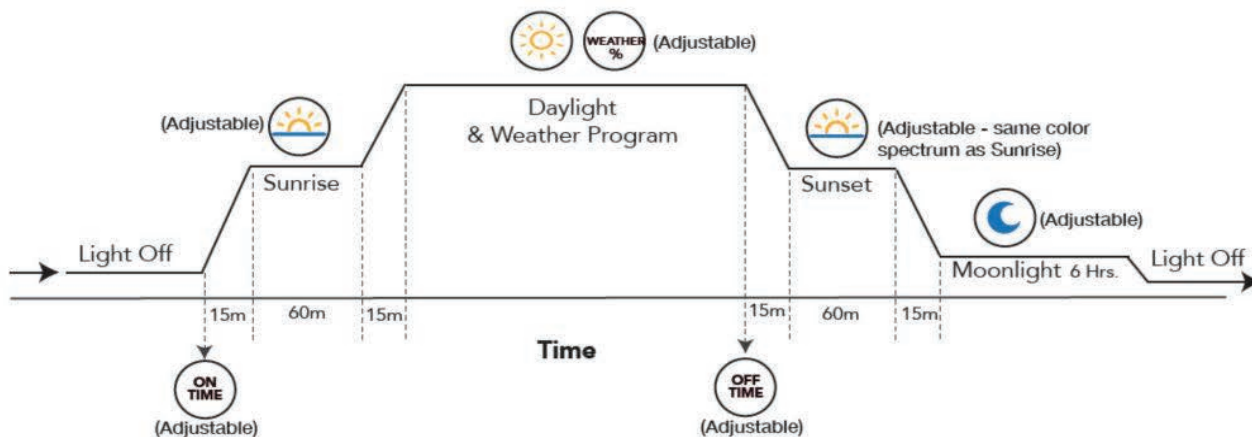
Tap to enter System Settings

Sunset (Begin OFF) Time

ON-DEMAND Modes	Key	On-Demand Mode	Duration**
M	Custom Color	24/7	
	Feed Mode	10 min.	
	Clean Mode	10 min.	
	Fading Moonlight	30 min.	
	Moonlight	30 min.	
	Rolling Clouds	30 min.	
	Random Clouds	30 min.	
	Lightning Storm	30 min.	
	Full Storm	30 min.	
	Approaching Storm	30 min.	
	Moon Rays	30 min.	
	Sun Rays	30 min.	
	Partly Cloudy	30 min.	

** Tap  Resume to exit any mode and return system to 24hr. Timer Mode

The LOOP Marine controller features a pre-programmed 24-hour lighting cycle to mimic nature.



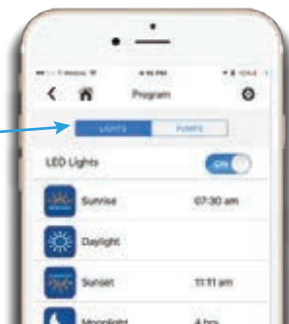
Programming LED Lights

To access lighting and pump programming, tap **PROGRAM**

PROGRAM

To program LED lights, tap

LIGHTS



Default Light Settings (Pre-programmed)

Sunrise ON Time: 7:00 am

Sunrise Color Spectrum: B 50%, W 25%, R 45%, G 10%

Daylight Color Spectrum: B 90%, W 75%, R 85%, G 30%

Sunset OFF Time: 5:00 pm

Sunset Color Spectrum: B 75%, W 25%, R 65%, G 0%

Moonlight Duration: 2 Hours

Moonlight Color Spectrum: B 10%, W 0%, R 5%, G 0%

Weather Forecast: OFF

Custom Color Spectrum: B 50%, W 50%, R 50%, G 50%

To program Sunrise:

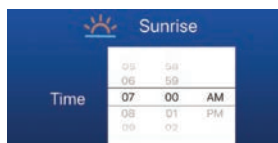
- 1 Use toggle to manually turn lights On / Off.



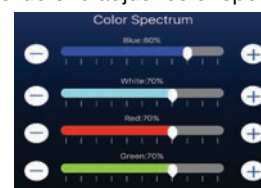
- 2 Tap **Sunrise**.



- 3 Use scroll to select Sunrise ON time.



- 4 Use sliders to adjust color spectrum.

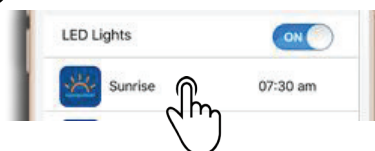


- 5 Tap **<** **Home** to go back, or select another program at bottom.



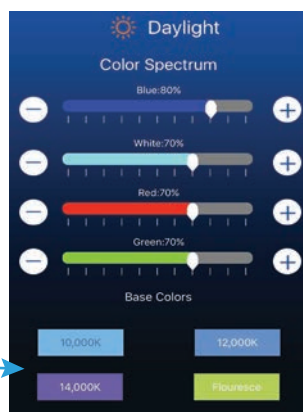
To program Daylight:

- 6 Tap **Daylight**.



Base colors automatically adjust each color level to match spectrum, allowing you to "fine tune" the color using sliders

- 7 Use sliders to adjust color spectrum, or select a base color at bottom.



- 8 Tap **<** **Home** to go back, or select another program at bottom.



Color Spectrum Tips:

Daylight

For healthy coral growth and color, keep Blue high (90%+), White a bit lower (75%+)

Sunrise/Sunset

To enhance colors in fish & coral, turn White low (<20%), Blue at 50-75% and Red higher (65%+)

Moonlight

Turn White, Red, Green off (0%) and keep Blue low (10%).

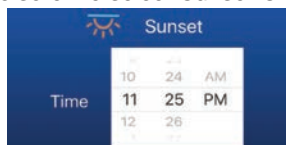


To program Sunset:

- 9 Tap **Sunset**.



- 10 Use scroll to select Sunset OFF time.



- 11 Use sliders to adjust color spectrum.

- 12 Tap **<** **Home** to go back, or select another program at bottom.



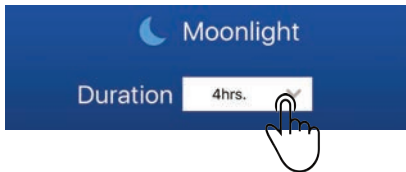
Programming LED Lights

To program Moonlight:

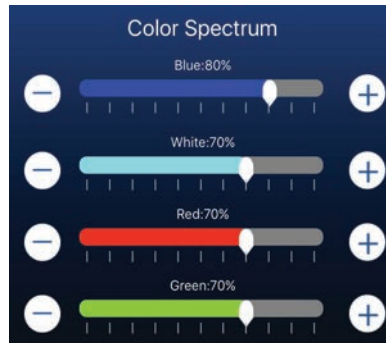
13 Tap **Moonlight**



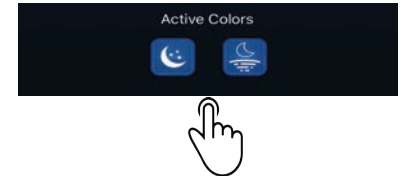
14 Use scroll to select Moonlight duration.



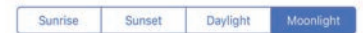
15 Use sliders to adjust color spectrum.



16 You can also choose an active moonlight program featuring audio.



17 Tap < to go back, or select another program at bottom.

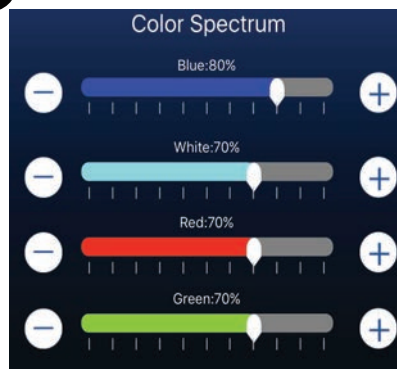


To program Custom Color:

1 Tap **Custom Color**.



2 Use sliders to adjust color spectrum.



3 You can also choose an optional base color, then adjust spectrum.



3 Tap < to go back to light programming screen.

To program Weather:

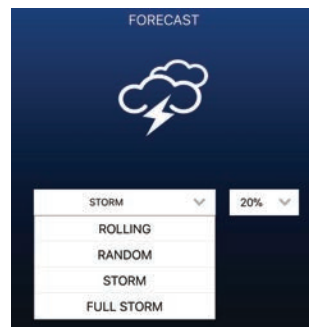
1 Tap **Weather Forecast**.



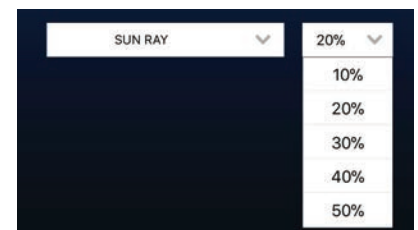
2 Use toggle to manually turn weather On / Off.



3 Use scroll to select weather mode.



4 Use right scroll to select % mode to run during Daylight mode.



5 Tap < to go back, or select another program at bottom.



Once programming is complete, be sure to return to the Home screen and press the **RESUME TIMER** to begin running your lighting program.

Programming Wave Pumps

To program Wave Pumps:

- 1 Tap **Pumps** at top of programming screen.



- 2 Use toggle to manually turn all Wave Pump On / Off.

Wave Pumps



To program Wave Pump 1:

- 1 Tap **Wave Pump 1**.



Wave Pump 1



MODE:Wave
FLOW:80%
FREQ:3S

- 2 Use toggle to turn pump On / Off.

- 3 Tap Mode keys to select flow mode.



- 4 Use slider to adjust **Flow Rate**.

- 5 Use slider to adjust **Frequency** (Wave and Surge Mode only)

- 6 Use toggle to turn **Night Mode** On / Off. Note: Night mode is synced to Moonlight period and reduces flow 30%. After moonlight period ends, pump ramps back to normal flow settings.

- 7 Tap <  to go back, or select another pump at bottom.

To program Wave Pump 2:

- 1 Tap **Wave Pump 2**.



Wave Pump 2
Primary



MODE:Wave
FLOW:80%
FREQ:3S

- 2 Use toggle to turn pump On / Off.

- 3 Use toggle to select Primary or Secondary Mode (Secondary Mode syncs with Wave Pump 1 and runs in tandem in the opposite flow).

- 4 Tap Mode keys to select flow mode.



- 5 Use slider to adjust **Flow Rate**.

- 6 Use slider to adjust **Frequency** (Wave and Surge Mode only)

- 7 Use toggle to turn **Night Mode** On / Off. Note: Night mode is synced to Moonlight period and reduces flow 30%. After moonlight period ends, pump ramps back to normal flow settings.

- 8 Tap <  to go back, or select another pump at bottom.

To program Wave Pump 3:

- 1 Tap **Wave Pump 3**.



Wave Pump 3



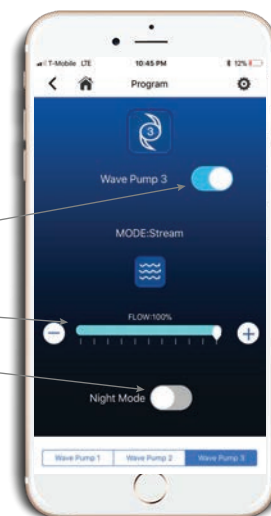
MODE:Stream
FLOW:80%

- 2 Use toggle to turn pump On / Off.

- 3 Use slider to adjust **Flow Rate**.

- 4 Use toggle to turn **Night Mode** On / Off.

- 5 Tap  to go back, or select another pump at bottom.



Wave & Flow Pump Tips:

Wave / Pulse Mode

This mode simulates a thriving reef environment. Wave pumps change speed frequently, simulating waves or surging water currents. Great for mixed reef aquariums.

Stream Mode

This is the default flow mode, pumps create a steady stream of water flow.

Night Mode

Turning on Night Mode will reduce water flow in wave pumps by 30% during the moonlight setting. (Note: Not recommended when regular flow setting is <50%).

Feed Mode

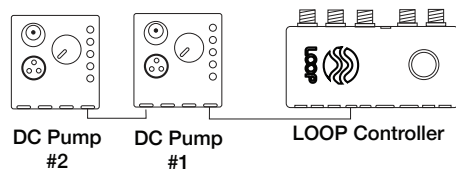
Temporarily shuts wave pumps off and reduces flow pump flow for 10 minutes, allowing fish and corals to feed. Pumps ramp then ramp up to normal speed.

(Note: if using a sump protein skimmer which is water level dependent, we recommend turning this mode OFF to ensure your skimmer does not overflow.)



Programming Flow Pumps

Note: Follow LOOP controller instructions to ensure DC Flow pumps are properly connected and manifold connection Hubs are compatible.



Use toggle to turn all flow pumps On / Off.

DC Flow Pumps



To program Flow Pump 1 or 2:

- 1 Tap **Flow Pump 1 or Flow Pump 2**.
- 2 Use toggle to turn pump On / Off.
- 3 Use slider to adjust Flow Rate.
- 4 Use toggle to turn Night Mode On / Off.
- 5 Tap < to go back, or select another pump at bottom.



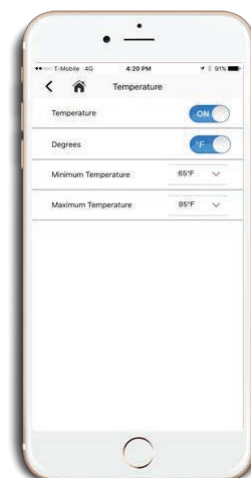
Temperature & Settings Reset

Temperature is currently set up as a visual indication only. When temperature is within your safe settings, it will be displayed in **Green** on the Home screen. When out of range, it will be displayed in **Red**.

To setup Temperature:

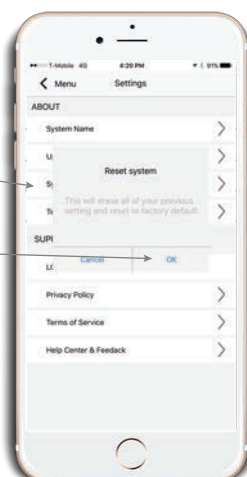
- 1 Tap **Settings** icon.
- 2 Tap **Temperature**.

- 3 Use toggle to select degrees F or C.
- 4 Tap Minimum Temperature (down arrow) and select the lowest temperature your aquarium water should safely reach.
- 5 Tap Maximum Temperature (down arrow) and select the highest temperature your aquarium water should safely reach.
- 6 Tap < to go back, or select another pump at bottom.



To reset app settings to factory default:

- 1 Tap **Settings** icon.
- 2 Tap **Settings Reset**.
- 3 Tap **OK** to erase all previous settings and return to app factory defaults.
- 4 Go to lighting and pump programs, factory resets will take effect.



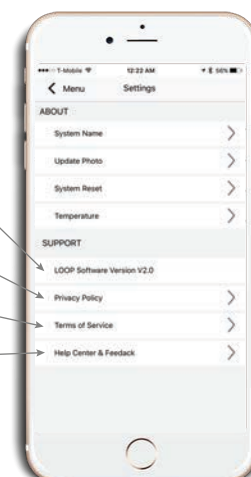
Additional Info:

Indicates what version App your device is running

Link to Current USA Privacy Policy

Link to Current USA Terms of Service

Help Center Link



SAFETY WARNINGS / DISCLAIMERS

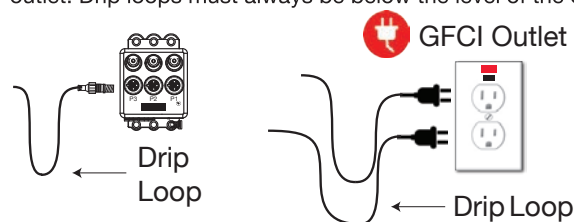
This is NOT a page of legalese. It contains important safety information that you should read and save for future reference. Remember you can always quickly access instructions for all our products at www.current-usa.com.

- Never attempt repairs yourself; return the appliance to an authorized service facility for service or discard the appliance.
- Carefully examine the fixture after installation and BEFORE you plug it into the GFCI wall outlet. Be sure there is no water on any part of the light fixture or the timer.
- Never plug in a wet cord. If a plugged in unit or socket does get wet, DON'T touch it. Instead, promptly disconnect the fuse or circuit breaker that supplies power to the fixture. Then, you may unplug the fixture and examine for the presence of water.
- Never operate a fixture that is damaged or malfunctioning, discontinue use immediately and return the appliance to an authorized service facility.
- Close supervision is necessary when any appliance is used by or near children.
- Always unplug the fixture when not in use, before putting on or taking off parts, and before cleaning. Never pull the cord to unplug from the GFCI.
- Do not use the fixture for anything other than intended use. The use of attachments not recommended or sold by the fixture manufacturer may cause an unsafe condition and will void your warranty.
- Do not install or store the fixture where it will be exposed to the weather or to temperatures below 0° Celsius or 32° Fahrenheit.

- Do not operate at temperatures above 50° Celsius or 122° Fahrenheit.
- Ensure the fixture is securely installed before supplying power to the unit.
- Read and observe all the important notices and warnings on the fixture and power cord. **DO NOT REMOVE THE WARNING LABEL.**
- If an extension cord is necessary, a cord with a rating at least 15 amperes should be used. A cord rated for less amperes or watts than the fixture rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- Do not look directly into the LEDs.
- **This product MUST be powered by a UL or ETL listed power supply.**
- **To avoid possible electric shock, power supply MUST be plugged into a GFCI wall outlet installed by a certified electrician in accordance with all local codes. All products must have a drip loop.**

Important Warnings | Drip Loops

Drip Loops should always be used to help prevent water from traveling along the cord and coming into contact with an electrical outlet. Drip loops must always be below the level of the outlet.



Register your product and find additional support at www.current-usa.com

SAVE THESE INSTRUCTIONS

WARRANTY

This product MUST be purchased from an authorized Current-USA reseller. Visit our website for a list of unauthorized resellers. Current USA, Inc. warrants this product against defects in materials and workmanship for ONE (1) YEAR from the date of original retail purchase and is none transferable.

Warranty on all Products, including Aquariums, is limited to replacement of the product and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage arising from the use of this product.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: improper installation, saltwater corrosion, electrical surges, or modifications.

If you discover a defect, please see your retail store or point of purchase. Current USA, Inc. will, at it's option, repair or replace the product at no charge to you, provided you return it during the warranty period. A copy of the bill of sale is required as proof of original purchase date in the event the product needs repairs within the warranty period. Please see your dealer for return options and warranty replacement parts. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc..

This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication or if the product has been modified without the written permission of Current-USA, Inc.; or if any Current-USA, Inc. logos have been removed or defaced.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED CURRENT USA, INC. SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY, AND ANY COSTS OF RECOVERING ANIMALS, PLANTS, TANKS OR OTHER AQUARIUM RELATED ITEMS AND/OR EQUIPMENT. CURRENT USA, INC. IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR REPLACEMENT OF EQUIPMENT OR PROPERTY, OR ANY COSTS OF RECOVERING OR REPRODUCING ANY EQUIPMENT, ANIMALS OR PLANTS USED OR GROWN WITH CURRENT USA, INC. PRODUCTS. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or exclusions of implied warranties, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from jurisdiction to jurisdiction.