

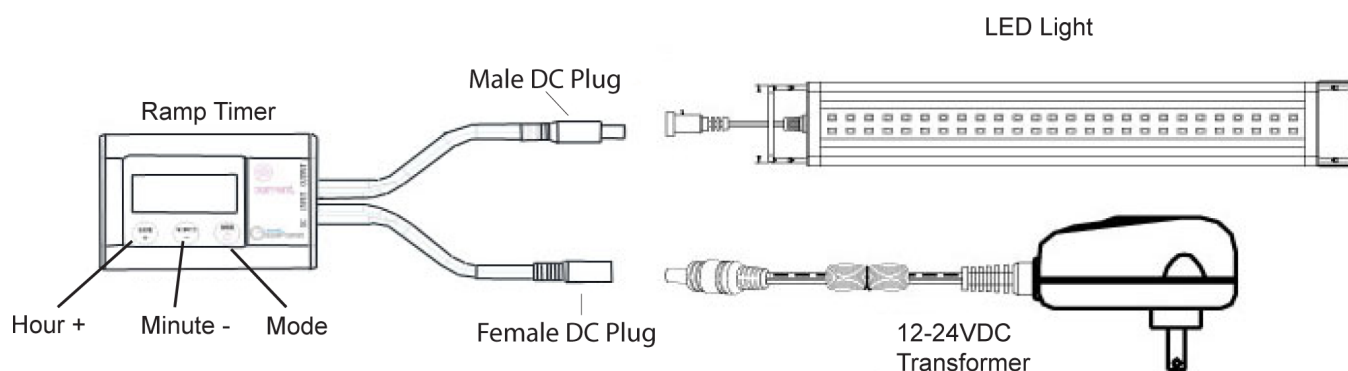


current™

Single Ramp Timer 24hr. LED Dawn/Dusk Light Controller

Quick Installation Process

- Connect your LED lights to the male DC jack on the timer
- Connect your transformer to the female DC plug on the timer
- The timer will display a time. If the time is not correct, adjust as follows: press the **Mode** button once, the time will begin to flash. Press **Hour +** to adjust to the correct hour and press **Minute -** to adjust to the correct minute.
- Press the **Mode** button again and the digital display will show **On** briefly and flash a time. Use the **Hour +** and **Minute -** to set the on time - this is when you would like your lights to turn on.
- Press the **Mode** button again and the digital display will show **Off** briefly and flash a time. Use the **Hour +** and **Minute -** to set the off time - this is when you would like your lights to turn off.
- Press the **Mode** button again and the current mode the timer is in will flash (either F1 or F2.) **F1** = Ramp Mode (15 min ramp/dim), **F2** = Straight On/Off Mode. To toggle between both modes, press **Hour +** for F1 dimming mode, **Minute -** for straight on/off mode. To exit the mode menu, simply press the Mode button again and your setting will be saved.



- If, at any time, you wish to turn your lights on, simply press the **Hour +** button. Press the **Hour +** button again to turn them off. Press the **Mode** button to resume the normal timing cycle.

Specifications

Dimensions:	3.25" x 0.75" x 2.25"
Max. Wattage:	84 watts @ 24VDC / 42 watts @ 12VDC
Voltage:	12-24VDC
Cable Length:	6"
DC Connector:	2.5mm x 5mm barrel plug
Dimming Type:	PWM (Pulse Width Modulation)

Compatibility:

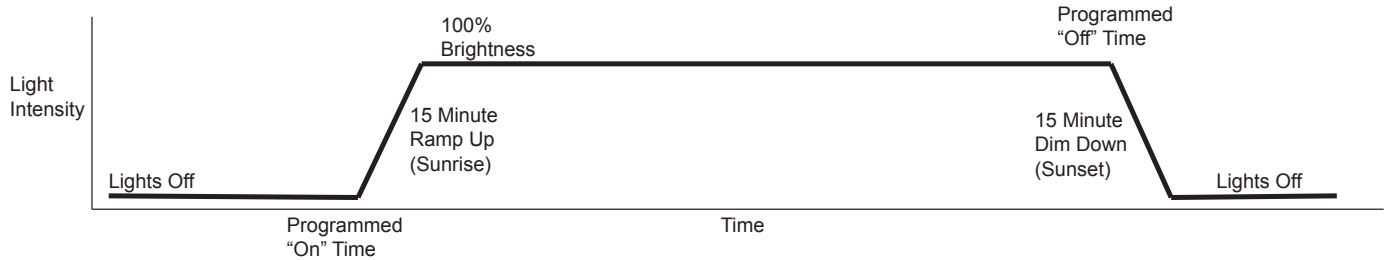
The Single Ramp Timer is widely compatible with most LED lights which are 12-24VDC using a standard 2.5mm x 5mm DC plug. We highly suggest checking with your LED light manufacturer to ensure compatibility and warranty coverage. For an updated list of compatible LED lights, please visit our website at www.current-usa.com

Mounting Instructions

- Remove timer from packaging.
- Find a dry, clean location on your aquarium stand or nearby location (not on your tank.)
- Ensure location is not near water, moisture or salt creep.
- Use velcro included to mount Ramp Timer to mounting location.
- Timer can now be installed per instructions.
- Ensure timer is located in a dry location. The Ramp Timer is not waterproof and should not be exposed to water.

Suggested Lighting Schedules

Below is a typical 24-hour light cycle with sunrise/sunset. Please review the suggested lighting cycles below.



Total Daylight Hours	Programmed "On" Time	100% Brightness	Programmed "Off" Time	Lights Off
13 Hours	06:00 AM	06:15 AM	19:00 PM	19:15 PM
12 Hours	07:00 AM	07:15 AM	19:00 PM	19:15 PM
11 Hours	07:00 AM	07:15 AM	18:00 PM	18:15 PM
10 Hours	08:00 AM	08:15 AM	18:00 PM	18:15 PM
9 Hours	08:00 AM	08:15 AM	17:00 PM	17:15 PM
8 Hours	08:00 AM	08:15 AM	16:00 PM	16:15 PM

Frequently Asked Questions

1. Can I use two timers to achieve the dawn/dusk effect with my white and blue LEDs? Yes. Simply plug one power supply into a 2 or 3-way splitter and plug a timer into each plug on the splitter. We recommend running the blue lights for an additional 1-2 hours based on the above schedule, providing you an even more impressive dawn/dusk effect.
2. Can I use the Ramp Timer with my Lunar Moon Lights? Yes - simply plug the 12VDC transformer into the timer and link your Lunar Lights to the output. For programming, simply reverse the schedule above (i.e. the Off time now becomes the On time).
3. Can I use an Inline Dimmer with my Ramp Timer? Yes, but only in the simple on/off mode (no ramp or dimming). Using two of any PWM dimmer can cause a conflict and may cause the LED light to blink. If your light begins to flash or blink, simply place the timer in non-dimming mode or at a non ramp/dim time and the light will operate normally.
4. Can I plug in multiple LED lights to one timer? Yes, as long as you do not exceed 84 watts at 24VDC or 42 watts at 12VDC total.
5. Can I plug in a two or three way splitter into a timer? Sure, our splitters are completely compatible with the Ramp Timer.
6. Can I adjust the ramp up and dim down time? We've designed the Ramp Timer with a built in 15 minute ramp up and dim time so no further adjustment is required.
7. If the power goes out, will the timer remember my settings? Yes, the Ramp Timer has an internal memory which will store your settings.
8. Does the timer require a battery? No, it does not require a battery or battery replacement.
9. Is the Ramp Timer water resistant or waterproof? No, please ensure the timer does not get wet and is not located near moisture or salt creep.
10. Can I use the Ramp Timer with other brand LED lights? Yes, any 12 or 24VDC light up to 84 watts using a 2.5mm x 5mm barrel connector is compatible. Check with your LED lighting manufacturer for any warranty information.
11. Can I plug more than one power supply into the Ramp Timer? No, doing so will damage the power supply and exceeds the voltage limits.



Current-USA LED and Fixture Compatibility

- **TrueLumen Pro LED Strips and Striplight Kits** (#3001 thru #3033, #3100 thru #3107)
- **TrueLumen LED Padlight** (#1694)
- **TrueLumen LED Strips and Lunar LED Lights** (#1660 thru #1635, #1664 & 1666)
- **Satellite LED and LED+ Flexible Strips** (#4004 & #4009)
- **Orbit Marine LED Fixtures** (#4100 thru 4103)
- **Satellite LED and LED+ Fixtures** (#4000 thru #4008)
- Most 12-24VDC LED fixtures not exceeding 82 watts (@24V) with a compatible DC barrel jack connector

IMPORTANT WARNINGS | SAVE THESE INSTRUCTIONS

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.

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. If the plug or outlet does get wet, DO NOT TOUCH the cord. Disconnect the fuse or circuit breaker that supplies power to the system. After disconnecting the power, unplug and examine for the presence of water.

Current USA, Inc. One-Year Limited Warranty

Current USA, Inc. warrants this product against defects in materials and workmanship of a period of ONE (1) YEAR from the date of original retail purchase and is not 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.

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Grounding Instructions

This LED timer must be powered with an ETL or UL Listed Transformer. To avoid possible electric shock, this transformer must be plugged into a GFCI wall outlet that is installed and grounded in accordance with all appropriate codes and ordinances.

For more information and to register your product, please visit www.current-usa.com

