



# Product Manual

## Safety Instructions

To avoid injury and possible electric shock it is imperative that you  
**READ AND FOLLOW ALL SAFETY INSTRUCTIONS AND WARNINGS.**

### Important Warnings

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 reference instructions for all EcoXotic products on our website.

- 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 and wall outlet. Be sure there is no water on any part of the fixture.
- 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 yank cord to pull plug from the GFCI. Grasp the plug and pull to disconnect.
- Do not use the fixture for 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.
- 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.

**SAVE THESE INSTRUCTIONS**



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### 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 electric outlet.

Drip loops must always be below the level of the outlet, see figure page 4. If the plug or an outlet does get wet, **DO NOT TOUCH** the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then, unplug and examine for the presence of water.

### Grounding Instructions

This appliance must be connected to a GFCI plug then to a grounded wall outlet to minimize the possibility of electric shock. This plug must be plugged into an outlet that is installed and grounded in accordance with all appropriate codes and ordinances.

**SAVE THESE INSTRUCTIONS**



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## Installation Instructions

### 24" Panorama LED Aquarium Fixture #6040

**What's in the box:**

- 1- Aluminum Panorama Fixture
- 3 - 12K White/445nm Blue Panorama Pro Moduls (installed)
- 2 - 445nm Blue Panorama Pro Modules (installed)
- 5 - Polished reflectors (installed)
- 2 - 60 watt Transformers
- 2 - Inline Dimmers with On/Off Function
- 2 - 3-Way Splitters (cables pre-wrapped)
- 4 - Velcro Tape Attachments
- 1 - EcoCham Cleaning Cloth



**Please note: Mounting hardware is not included with this fixture and must be purchased separately.**

**Mounting Options Include:**

- Tank Mount Kit - Item#5012
- Hanging Kit - Item#5023
- Wall Mount Kit - Item#5307
- Stand Mount Kit - Item #5010 & #5307

### Before Installation:

Assemble the mounting option you have chosen using the instructions provided with the mounting kit. If you have chosen the tank mount, wall mount, hanging kit or stand mount kit - please pre-install the mount before installing light fixture.

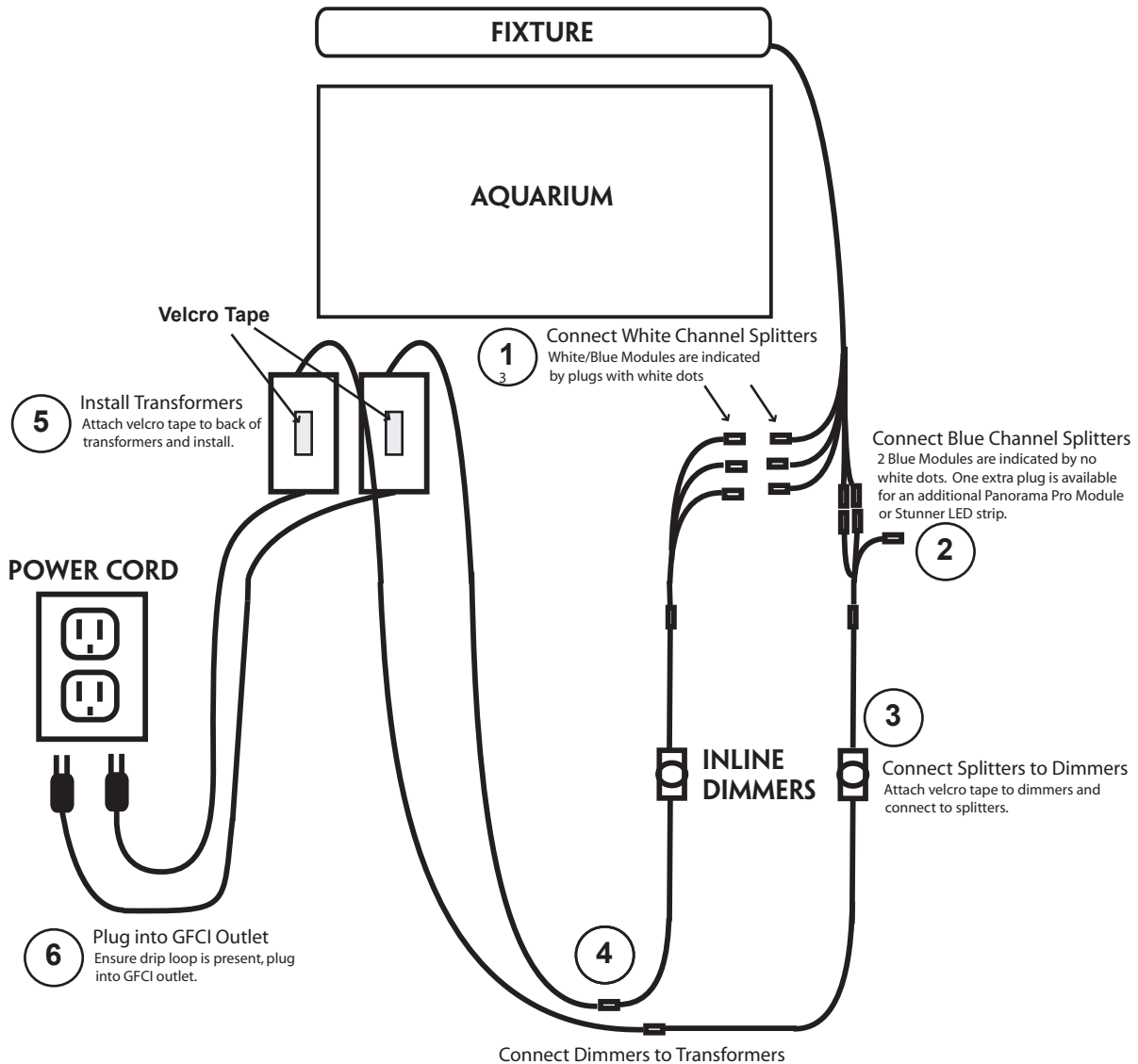
Carefully unpack fixture and components from box. Ensure accessories listed above are included in the box. If any component is missing, please contact your original place of purchase and inform them of any missing components. We suggest setting the fixture with the LED's facing up on a soft towel or carpet to ensure the housing is not scratched or damaged.

If you are using a tank mount, wall mount or stand mount system - gently slide fixture onto rails and position into place. If using a hanging kit, slide hanging kit attachment bolts into the top fixture slots (3rd from center) and attach using bolts. Bolts will need to be tightened with a lock nut wrench. Ensure all cables and connectors are clear of water or moisture.

### Assembly Instructions

- 1** There are two 3-way splitters included with your fixture, note that one splitter has white circular dots on the plugs. Connect the splitter with 3 white dots to the three module plugs with matching white dots. This will become the "white" channel for your LED system. Refer to diagram on next page as a reference.
- 2** Connect other 3-way splitter to two plugs with no dots. This will become the "blue" channel of your LED system. Please note, one additional plug will remain unplugged - this can be used to power an additional Panorama Pro Module or up to three 12" Stunner LED strips (both sold separately.) Refer to diagram on next page as a reference.
- 3** Connect each 3-way splitter into an inline dimmer. Position dimmers in a location under your stand with easy access (like your stand door.) Use Velcro tape to attach dimmer to location.

**4** Connect transformers to dimmers. Position 24V Transformers under the stand in a location which forms a drip loop and away from any salt creep or moisture. See diagram below as a reference.



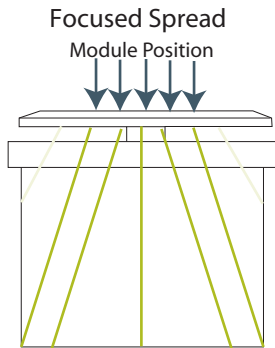
**5** Attach transformers to stand by using Velcro tape provided. Review all cables, splitters and wiring to ensure water or moisture does not come in contact with the fixtures or any cables. Ensure the cables do not interfere with any of the docking mounts and be sure any cables which must be clipped to the docking mounts are connected.

**6** Plug transformers into a GFCI wall outlet. If using timers, ensure timers are plugged into a GFCI outlet. LED lights can now be turned and adjusted by rotating the dimmers clockwise. Note: We recommend running the 12K White/445nm Blue modules (white channel) at 75% for the first week to slowly adjust corals to the LEDs.

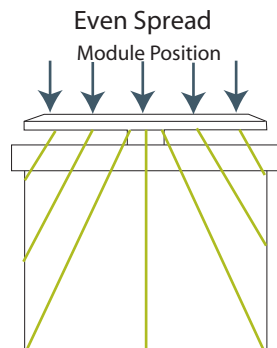
### Module Positioning

The modular design of the Panorama Pro LED fixture provides for adjustable positions for the Panorama Pro LED Modules. By simply removing the two screws at each end of the module, the module can be moved in the fixture and re-positioned. This allows you to optimize PAR and ensure light is going into your tank (not on your wall!) depending upon your specific aquascape.

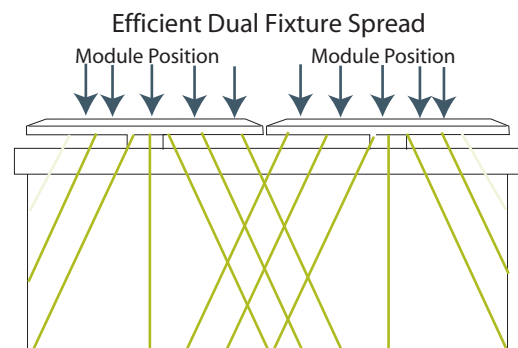
A few examples:



Sliding the modules close together towards the center of the fixture is ideal for high PAR and aquariums with a slope-to-center aquascape.



Evenly spacing the modules from left to right is ideal for most aquariums and will spread light efficiently over the entire aquascape.



When using multiple fixtures, we recommend sliding the outside modules in just a bit, this will efficiently keep light focused in the aquarium. You can also slide the modules in the closest to the center of the tank from left to right to avoid center brace shadows.

### Color Upgrades

By adding Panorama Pro modules or Stunner LED strips to your fixture, you can change the color rendition in your tank dramatically. Here are some simple guidelines for adding different color spectrums to your Panorama Pro LED fixture:

LED Color Spectrum	Appearance	Description
445nm Royal Blue		445nm Blue is what makes corals “pop” in color and is an excellent spectrum for both increasing coral growth and enhancing color.
445nm Royal Blue/Magenta		If your looking to add a bit of purple or boost PAR, this is stunning color combination. The additional Magenta LEDs are quite high in PAR and provide the classic 420nm Actinic appearance many hobbyists love. Perfect for both coral growth and color.
RGB Module		RGB Modules provide amazing control over the spectrum appearance in your tank. The “full spectrum” look is extremely popular, and adding an RGB Module and setting it to yellow will take away the clinical appearance of white/blue LEDs and give your tank a natural look. You can also use this module to add purple, light blue, even fade colors in and out for cool lighting effects.
8,000K White		Ideal for use in heavily planted aquariums, 8,000K is also an excellent way of enhancing oranges & reds in marine fish (like your clownfish!)
12,000K White		An extremely crisp, penetrating white light - 12,000K emits a very high amount of PAR for coral growth.
Ultraviolet UV		Perfect for zooanthids, mushrooms and color supplementation.
12,000K White/445nm Blue		An excellent combination module for increasing coral growth and color.



# Panorama Pro LED Fixture

## Additional Info

### Suggested Light Schedules

If using the Panorama Pro LED fixture with timers, we recommend the following timer schedule:

Blue Channel On: 7 am  
White Channel On: 8 am  
White Channel Off: 7pm  
Blue Channel Off: 8pm

### Product Registration

To activate your warranty, please visit our product registration page at [www.ecoxotic.com](http://www.ecoxotic.com)

For more information, FAQ's, technical tips and videos, please visit our website at [www.ecoxotic.com](http://www.ecoxotic.com)

### Warranty

#### Ecoxotic One-Year Limited Warranty

This limited warranty applies only to products that are manufactured by or for Ecoxotic and can be identified by trade name or logo affixed to it, and sold by an authorized Ecoxotic retailer in the United States to you, the original purchaser of such products ("Products"). Ecoxotic hereby warrants that Products will be free from defects in materials and workmanship for a period of one (1) year from the date of original retail purchase (the "Warranty Period"). This warranty does not apply to any product that is not an Ecoxotic Product.

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Please contact Ecoxotic if you discover a defect in any Product. In the event that such Product is defective, as determined by Ecoxotic in its sole discretion, Ecoxotic's sole obligation, and your exclusive remedy, shall be for Ecoxotic, at its option, to repair or replace such Product at no charge to you, provided that you (i) return such Product to Ecoxotic during the Warranty Period, and (ii) provide proof of purchase and registration of such Product. If the returned Product is not defective or is returned after the Warranty Period, Ecoxotic shall have no obligation to repair or replace the Product.

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