AQUATOP 90 DAY LIMITED WARRANTY

Products are warrantied by AQUATOP Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period of 90 days from the date of the original purchase. Products have no warranty if:

1.) The product has been serviced, modified or tampered with by anyone other than AQUATOP Aquatic Supplies,

2.) The product has been abused or damaged (including broken or cracked bulbs), and/or

3.) The product has been transported without proper packaging.

WARRANTY LIABILITY DISCLAIMER

In no event will Aquatop® be liable for any consequential or incidental damages, including but not limited to, lost sea life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any Aquatop® product.

For more information on tank health and maintenance as well as other products carried by Aquatop, visit our website: www.aquatop.com

VI /2015

775 Columbia St. Brea, CA 92821
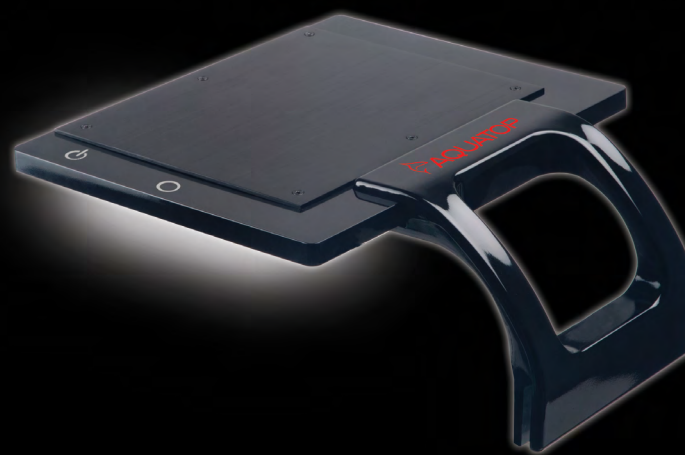Tel: (888) 915-27821 (562) 697-9860
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NANO LED SERIES

NANO LED SERIES Manual 2015

Thank you for choosing NANO LED series as your LED lighting system. Aquatop's NANO LED Series of LED lighting raises the bar for aquarium keepers by combining style and technology. This specially engineered LED lighting system mimics natural sunlight while producing minimal heat. The series offers full spectrum LEDs and includes the Nano TR2 for reef systems and the Nano TP2 for planted tanks.

• Excellent for planted and reef systems
• Designed especially for nano aquariums
• Supports photosynthetic life
• Replicates peak sunlight
• Compact and easy to install
• Integrated Touch Control

Bringing innovation to the aquarium industry, Aquatop's Nano TP2 and TR2 LED lighting systems ensure an even distribution of usable light for aquatic organisms.
Combining outstanding performance, low energy cost and a unique low-profile design, the Parology Series is a significant advancement in LED lighting design.

• Advanced LED technology and product design
• Provides an even distribution of usable light
• Operates cool, quiet and fanless
• Low heat transference
• Bonus weather simulation features included w/ Remote Control

PAR measurement

For Rimless Tanks Only.
Maximum Glass Thickness=7mm
Tank dimensions are for reference only.

WARNINGS & SAFETY

READ ALL SAFETY INSTRUCTIONS BEFORE USE.

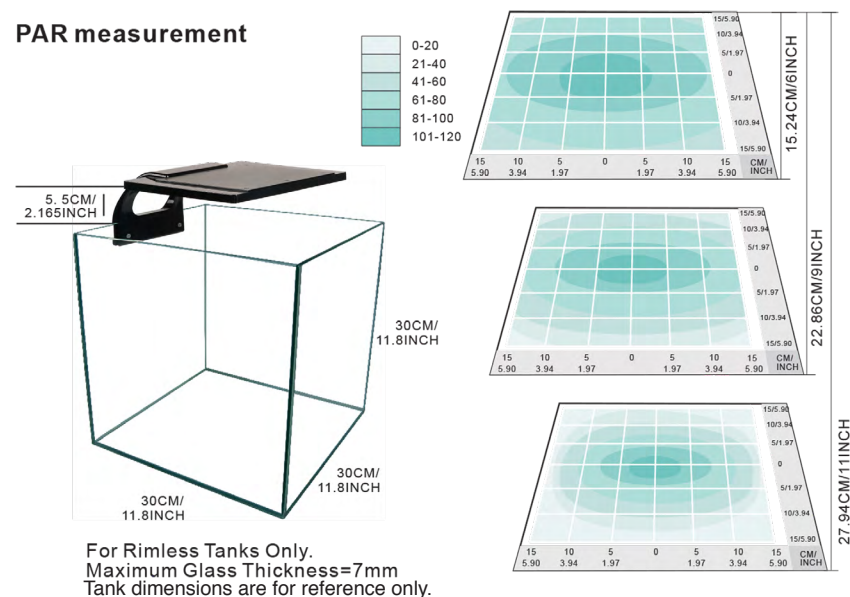To guard against injury, basic safety precautions should be observed, including the following:

DANGER
To avoid possible electric shock, special care should be taken since water is employed around the use of this product. For each of the following situations, do not attempt to repair yourself: return the appliance to an authorized service facility for service or discard the appliance.

NOTE: It is your sole responsibility to verify that the plug and the receptacle are clean and free of moisture and salt buildup at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, and permanent damage to the product and personal injury not limited to loss of life.

NOTE: Before installing the unit, check for any signs of damage to the device. If there are any signs of damage to the device, power cable or plug, do not use and return to place of original purchase.
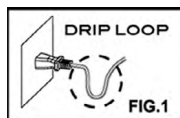
PRODUCT SPECIFICATIONS

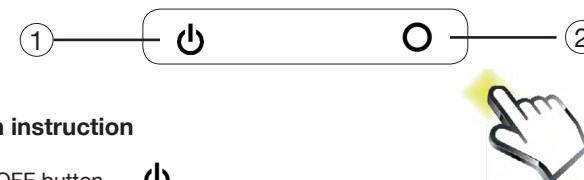| Model	NANO-TP2	NANO-TR2
Input Voltage	100V-240V	100V-240V
LED	11W	11W
Color Temp for White LED	6500K	12000K
Wave length for Blue LED		450-465NM
Lumens	1000LM	790LM

TROUBLESHOOTING

Problem	Check	Solution
The light does not work	Check for any damage to the power supply and power cord.	If damage is found,please return to the original place of purchase.
	Check the power supply connection to ensure a snug fit.	Make sure that the power supply is connected securely to the unit.
	Check if the unit is turned off.	Use the power Button on the remote control or on the light fixture to turn the unit on.
Remote controller does not work	Check to see if the battery protection tab has been removed.	Remove the battery protection tab.
	The battery may need to be replaced.	Replace the battery.

NOTE: Never put the unit inside the aquarium or immerse in water. It is your sole responsibility to verify that the plug and the receptacle are clean and free of moisture and salt build up at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, and permanent damage to the product and personal injury not limited to loss of life.

• Read and follow all instructions.

• A drip loop must be used with all electrical aquarium devices.

• A drip loop is a self-made part of the cord hanging below the receptacle. (See fig. 1)

1. A GFCI (ground fault circuit interrupter) should be used in the branch circuit supplying all power to water pumps and electricalaquarium equipment. If you do not have a GFCI, we strongly recommend having a qualified electrician install one prior to operating any aquarium component.

2. Do not plug into extension cord/power strip.

3. Use this product for its intended purpose only.

4. Never yank or pull the cord from the electrical outlet.

5. Do not operate if the plug or wire is damaged.

6. Verify that hands are dry prior to disconnecting the power.

7. To reduce the risks of electrocution, keep all connections dry.

8. Make sure to unplug all electrical aquarium devices before installing the unit or performing any type of maintenance on the unit.

9. Before cleaning the unit unplug from power source. Use a clean damp cloth. Let unit completely dry before plugging back into power source.

10. For indoor use only.

11. If any of the electrical components get wet, unplug immediately.

12. Do not use soaps or detergents when cleaning the exterior surface of this device.

13. Make sure the device is completely dry before connecting.

14. Keep this product away from children and those who are unfamiliar with the unit and its instruction manual.

Touch switch instruction

1. Power ON / OFF button

   Press once – ON , twice – Off

2. Brightness control button

   Press this button to adjust white & blue brightness from 1 to 5 modes circularly
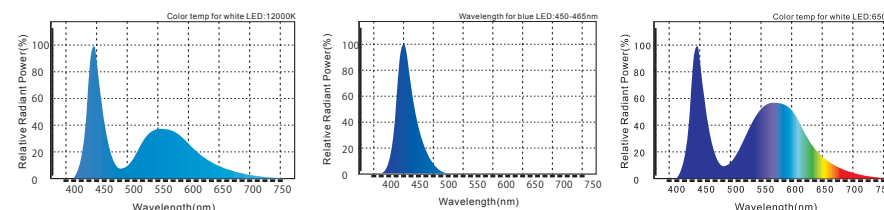
NANO-TP2

Mode	White Intensity (%)	Color Mix (%)
1	0	10
2	0	100
3	10	100
4	30	100
5	100	100

NANO-TR2

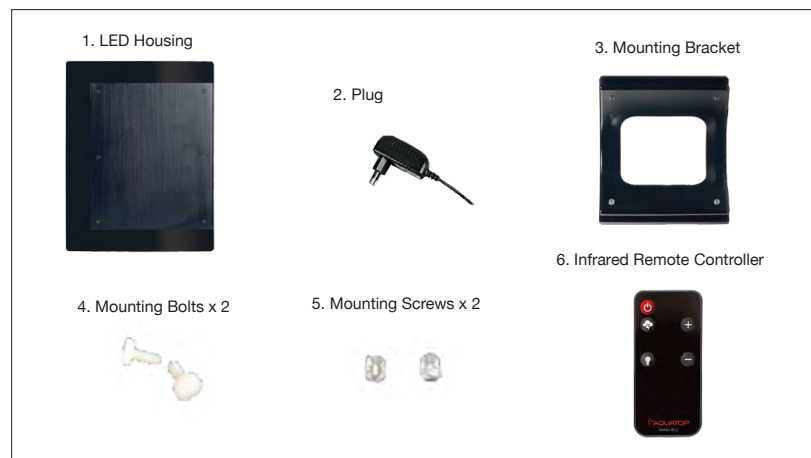| Mode	White Intensity (%)	Blue Intensity (%)
1	0	10
2	0	100
3	10	100
4	30	100
5	100	100

LIGHT
Aquatop's Nano LED Series emits photosynthetic support for a variety of aquatic organisms. The Nano TR2 is ideal for marine organisms such as mushrooms, Zoanthids and soft coral while the Nano TP2 is well suited for freshwater plants such as Anubias, crypts,mosses and most stemming plants.

• Supports low to medium light-loving photosynthetic life
• TR2 color temp for white LED equals 12000K
• TP2 color temp for white LED equals 6500K
• Wavelength for blue LED: 450-465nm (TR2)
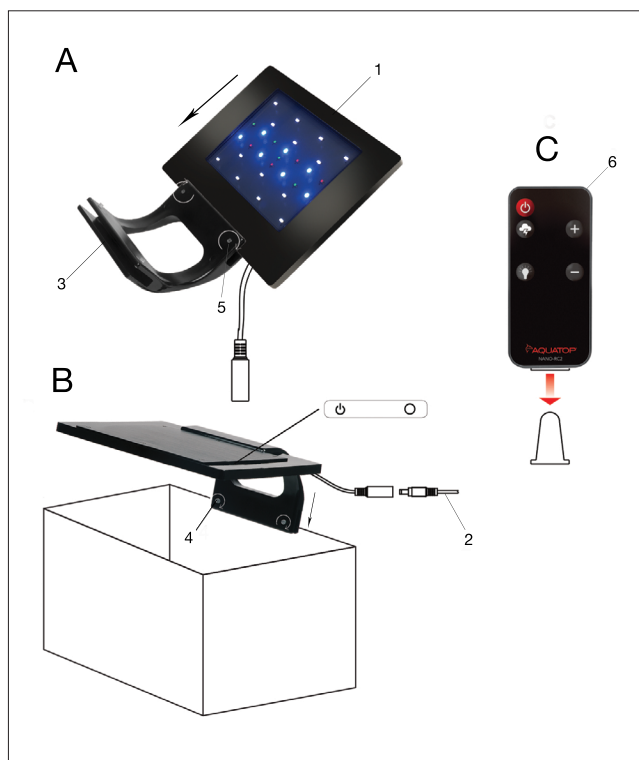• Add light and beauty to a variety of ecosystems

Please check the contents in the package

1. LED Housing

2. Plug

3. Mounting Bracket

4. Mounting Bolts x 2

5. Mounting Screws x 2

6. Infrared Remote Controller

NOTE: If extra Mounting Bolts and / or Screws are included. Please save as replacement parts.
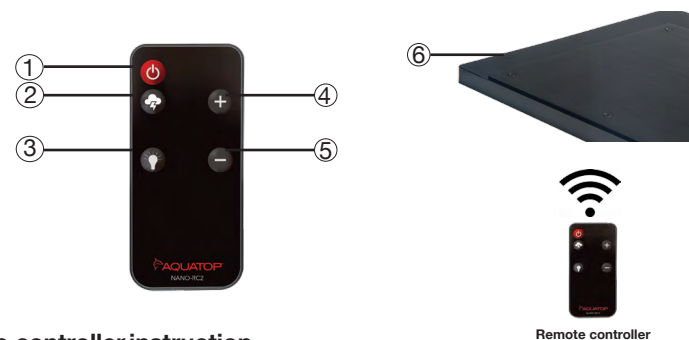
A

B

C

Required tools
Flathead Screwdriver with small tip

A. Attach the Mounting Bracket to the LED Housing with the Mounting Screws. Use a small Flathead Screwdriver to fasten and tighten down the Mounting Screws.

B. Attach the Mounting Bracket and LED Housing to the chosen aquarium panel with Mounting Bolts. Fasten and tighten down the Mounting Bolts by hand.

C. Please remove the battery protection tab before you use the remote controller.

Remote controller

Remote controller instruction

1. Power ON / OFF button
  Press once to turn the unit on. Press again to turn off.

2. Weather mode button
  Press this button once to enter Lightning mode, and again to enter Cloud mode, By pressing the "+" / "-" buttons, you can adjust the frequency of lightning / cloud.

3. Light button
  Press this button to enter the Brightness mode setting. By pressing "+" / "-" button, you can adjust the brightness of white light. Press this button again to adjust the brightness of blue light by "+" / "-" button. The light button can be pressed for multiple times to alternate between white / blue light adjustment.
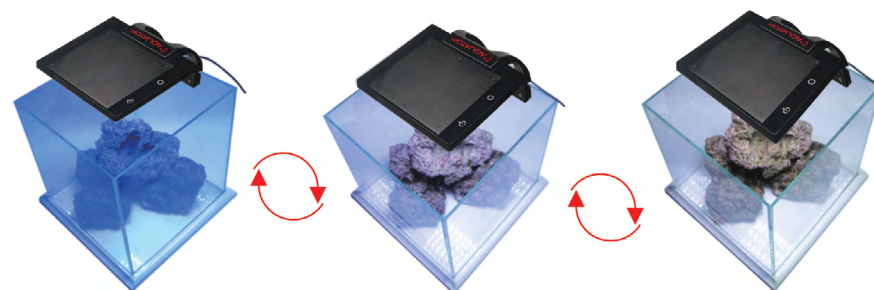
4. "+" button
  In the Brightness mode: Increase the brightness of blue / white by pressing "+".
  In the weather mode: Enhance the lightning / cloud frequency by pressing "+".

5. "-" button
  In the Brightness mode: Decrease the brightness of blue / white by pressing "-".
  In the weather mode: Reduce the lightning / cloud frequency by pressing "-".

6. Receiver
  The remote control should face toward the receiver to control functions of the light.

Memory Function

Memory function is designed to save all of your settings after idling for 10 seconds.