

INSTRUCTION MANUAL

LIVE AQUA SERIES PRIME SERIES LED LIGHTING



LIFE AQUA

MAXLITE

SAFETY INSTRUCTION

General

1. Do not use this product in any manner not specified by the manufacturer.
2. Do not install substitute parts or perform any unauthorized modification to the product.
3. Do not attempt to disassemble the product.
4. Return the product to a MaxLite Engineering Sales and Service Office for service and repair.
5. MaxLite Engineering will not be responsible for damage to the product, nor to repair the product, resulting from such causes as an improper installation, or use, or modification of the product, or connecting to an incompatible power supply, or the product is serviced by another company.

Power supply

1. Only use original power supply of the product. Use of any other power supply may cause damage to the product, this product cannot be use on dimmer.
2. The power supply is provided with a grounding-type power cord set. The ground pin of the cord set plug must be firmly connected to the electrical ground (safety ground) terminal at the power outlet.
3. Do not damage the power cable insulation. Damaged insulation can result in a short circuit, electrical shock and/or fire.
4. Do not forcefully bend, twist or pull the power cable. This can cause damage to the power cable and may result in fire or electrical shock.
5. Immediately stop using this product if power cable is damaged.
6. The power supply is conventional cooled. Do not place any heat insulating materials over the power supply, heat will build up and result in fire or damage of the power supply.

Installation & Operation

1. This product is a pendant type light fixture for an aquarium. The product is intended to be hung from ceiling or the light stand (optional) of this product.
2. Consult a contractor before hanging the product with hook from ceiling. Ensure both the hook and ceiling are strong enough for the weight of the product (At least 5 kg).
3. This product is for indoor use only.
4. Do not operate this product in the presence of flammable liquids or vapors.
5. The product is conventional cooled and is designed to operate at room temperature between 0 and 35°C.
6. The product is water proof IPX4 or higher designed.

FEATURE

Life Aqua "Prime" series is a high color rendering and Wi-Fi wireless controllable RGB LED Aquarium Lighting, specific designed for natural plants aquarium. Integrating our professional and unique technologies the RGB LED output are optimized, aquatic plants grow naturally and healthily. Plants original colors are faithfully and perfectly presented. Plus the wireless control technology, aquatic plants can be retained in the natural environment by simulating the cycle of sunlight (such as sunrise and sunset). Users can create the unique schedule and timer setting to present the unique aquarium. Life Aqua "Prime" series leads nature planted aquarium into future.

SPECIFICATION

Prime Pro

Model	Prime Pro 450	Prime Pro 600	Prime Pro 900	Prime Pro 1200
Model Number	D450-P	D600-P	D900-P	D1200-P
Size (W x D x H)	44 x 15 x 2.2	59 x 15 x 2.2	89 x 15 x 2.2	119 x 15 x 2.2
Weight	1.5 kg	2.5 kg	3.5 kg	4.8 kg
Power	25W	34W	50W	64W
Illuminance (4 level)-900mm	250 - 700 Lx	300 - 1000 Lx	400 - 1600 Lx	600 - 2000 Lx
Number of LEDs	30 (RGB) + 2 (UV)	40 (RGB) + 2 (UV)	60 (RGB) + 3 (UV)	80 (RGB) + 4 (UV)

Prime Pro EX

Model	Prime Pro 450 EX	Prime Pro 600 EX	Prime Pro 900 EX	Prime Pro 1200 EX
Model Number	D450-EX	D600-EX	D900-EX	D1200-EX
Size (W x D x H)	44 x 15 x 2.2	59 x 15 x 2.2	89 x 15 x 2.2	119 x 15 x 2.2
Weight	1.5 kg	2.5 kg	3.5 kg	4.8 kg
Power	54W	72W	108W	144W
Illuminance (4 level)-900mm	1800 Lx	2400 Lx	3600 Lx	4500 Lx
Number of LEDs	72 (RGB) + 1 (Ripple)	96 (RGB) + 1 (Ripple)	144 (RGB) + 1 (Ripple)	196 (RGB) + 1 (Ripple)

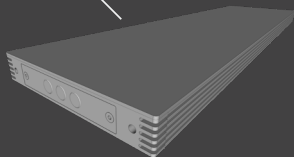
Others Specification

Size (Power Unit)	W15 x D6 x H4
Weight (Power Unit)	0.5 kg
Adaptor Input Voltage	AC 110 - 240V 50/60 Hz
Color Temperature	9000K +/- 500K
LED Lifetime	50,000 hours
Ingress Protection	IPX4
Wi-Fi Technology	802.11b/g/n
Wi-Fi Pairing Frequency	2.4GHz

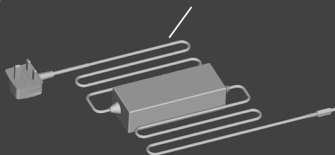
PRODUCT DETAIL

Ensure all parts are included before installation and operation. If any parts are missing or damaged, please contact MaxLite Engineering Sales and Service Office.

Linghting Unit



Power adapter



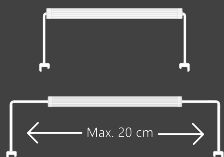
Fix Stand



Abjustable Stand



Hanging Set (with wire set)

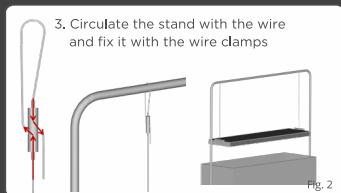
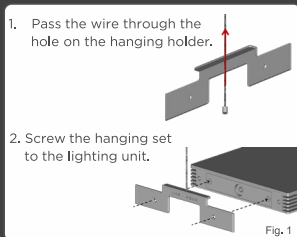


*Max 20cm extension

INSTALLATION

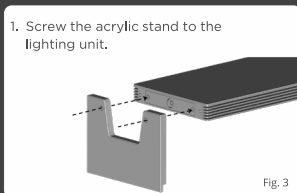
Type: Hanging

1. Assemble the hanging set by passing through the hole on the hanging holder, and then screw the hanging set to the lighting unit. (Fig. 1)
2. Make a loop to circulate the stand (optional) with each of the hanging set and the wire clamps. (Fig. 2)
3. Adjust the distance between two hanging sets to keep the lighting unit on the horizon. (Recommend to keep at least 300 mm distance from the edge of the tank.)



Type: Fixed Stand

1. Distinguish the left and right direction of the acrylic stand, and then screw it to the lighting unit. (Fig. 3)
2. Place the lighting unit on the tank. (Be aware the length of the tank should be same as the lighting unit.)



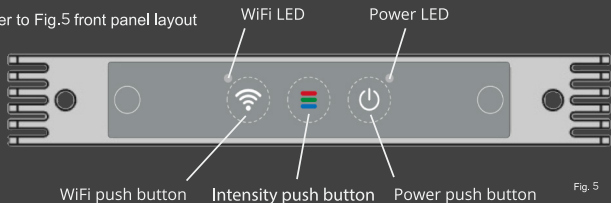
Type: Adjustable Stand

1. Distinguish the left and right adjustable stand, and then pass the holding stick through the outermost hole on the lighting unit. (Fig. 4)
2. Align the lighting unit with the tank by adjusting the length of the adjustable stick, and then place it on the edge of the tank.



OPERATION

Refer to Fig.5 front panel layout



Power on

1. Connect the power supply to AC mains.
2. Switch on the lighting unit by pressing the power push button. (Power LED blinking until the light up process finish.)

*Lighting unit will turn on with the last RGB Lighting level, including the sudden power failure and smart plug operation.

3. Press the power push button for 3 seconds to reset the memory. (Release to complete when the Power LED blinking.)

RGB lighting level (Manual)

1. Press the RGB push button once to adjust the level.

* 4 built-in level can be adjusted.

OPERATION

Wireless Control (Pairing)

1. Download the APP – MaxLiving. (Fig. 6)
2. Sign-in / Sign-up MaxLiving to control and monitor the smart housing devices. (Fig. 7)
3. Press the “+” Button on the top right hand corner to adding the devices. (Fig. 7)
4. Search “Life Aqua – Prime Pro / Prime Pro EX” in the “Aquarium” class. (Fig. 8)
5. Select the device and follow the steps showing on the screen.
 - a. Press the WiFi push button on the lighting unit for 5 seconds to activate the pairing mode. (WiFi LED fast blinking (~ 2 times/s) can be observed.) Press “Confirm indicator rapidly blink” to continue. (Fig. 9)
 - b. Connect the smart phone to the WiFi network (802.11b/g/n - 2.4GHz).
 - c. After that, the pairing will start automatically after pressing the “Confirm” button.
 - d. The WiFi LED stops blinking to indicate that the pairing is complete.
 - e. Device - "Prime Pro / EX" (e.g.) will show on the screen if the pairing success.

Fig. 6

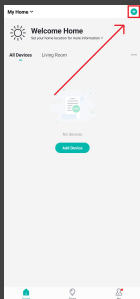


Fig. 7

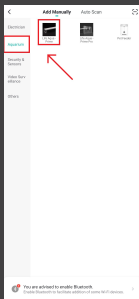


Fig. 8



Fig. 9

*Pairing detail can be find in "IoT Handbook" on www.life-aqua.com

OPERATION

Wireless Control (Controlling)

After the pairing, user can control and monitor the lighting device on the APP

APP Function:

Power Button

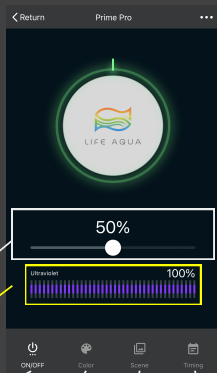
1. To switch on/off the lighting unit.

Color Button

1. To adjust the color ratio.

Scene Button:

1. To provide different RGB ratios and brightness to simulate different sunlight conditions.
2. Also provide 4 sets of custom scene to fulfill users need.



Intensity Bar

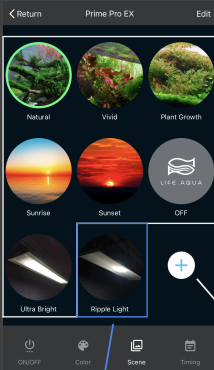
UV Intensity Bar

Power Button

Scene Button

Schedule Button

Color Button

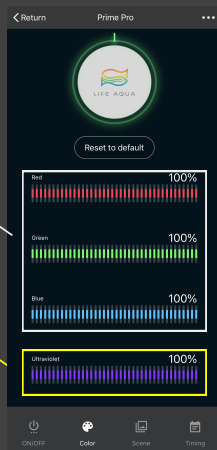


Default Scene (Prime Pro)

RGB Intensity Bar

UV Intensity Bar
(For Prime Pro only)

Custom Scene



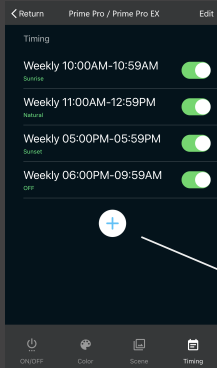
Ripple Light (For Prime Pro EX only)

OPERATION

Wireless Control (Controlling)

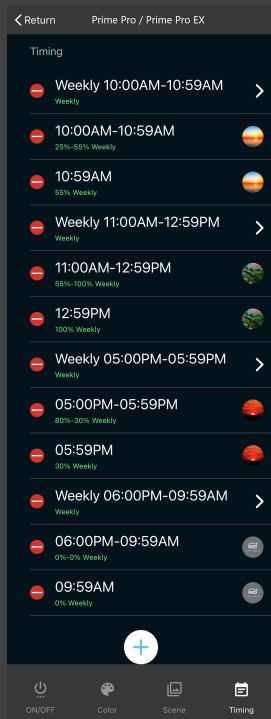
Schedule

1. Set and upload the schedule to the cloud platform, to control the operation of the lighting unit automatically.
 2. Users can upload any scene (including custom scenes) and set the time for different need. (For example, automatic on / off of daily lighting, sunrise / sunset simulation)
- * Operation detail can find in "Life Aqua - IoT Handbook" on www.life-aqua.com



Daily Schedule Example

Add Timer



MAINTENANCE

(Should be only handled by MaxLite authorized Service team)

- Avoid dust accumulation cover the lighting unit. Use a blower to clean to dust if necessary.
 - Clean surface of lighting unit/diffuser with a damp cloth. Do not use detergent or solvent.
 - Store the lighting unit in a dry place without high temperature heat source when the lighting unit is not in used.
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- * Power off the lighting unit, wait until it is completely cool down and disconnect the extension power cable before maintenance.
 - * Do not attempt to disassemble the product for maintenance.



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