



# G6 AquaSpace LED Aquarium Light



Timer



Night Mood



Dimmer



## User's Manual

# Specification

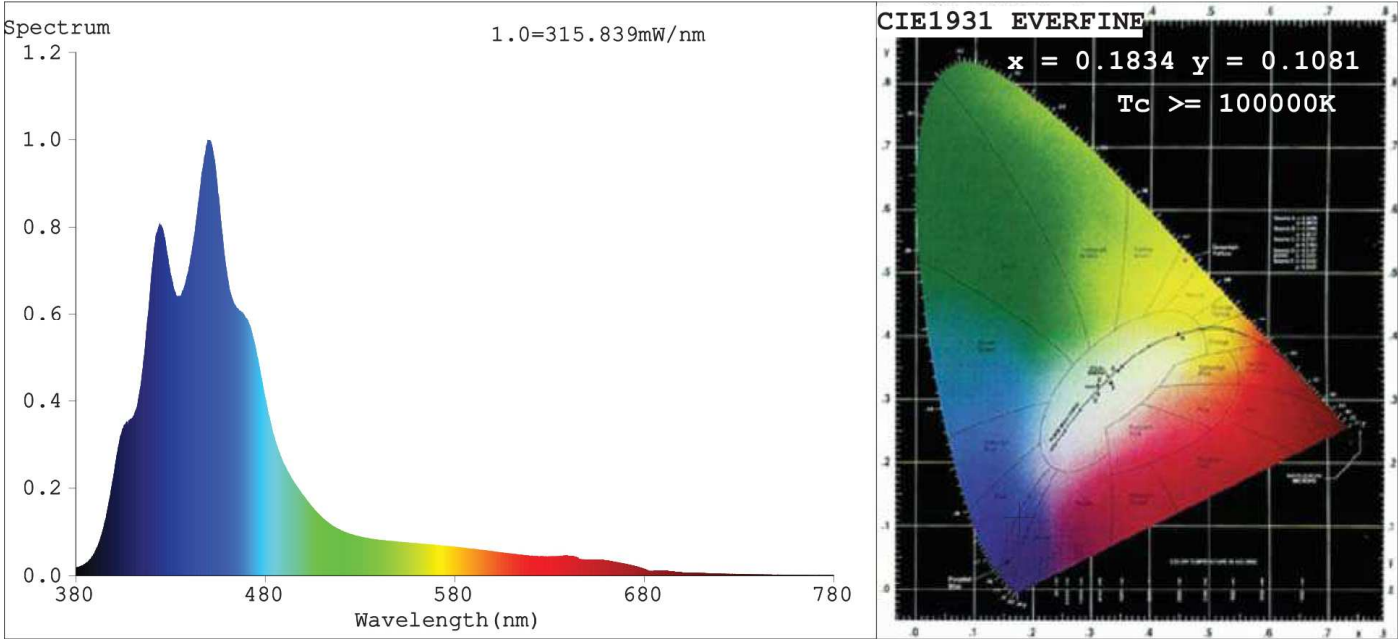
Item	Specification	Item	Specification
LED Brand	CREE/Epistar	Input Voltage	100-240V AC
LED Quantity	34pcs	Single LED power	5W
Max power	100W ( ±5% )	Product/Lamp size(mm)	221*173*50mm
Net weight	1.9kg	Package size(mm)	325*310*82mm
Shell material	Aluminum +Plastic	Shell color	Black
Working temperature	-10℃ - 50℃	Storage temperature	-20℃ - 70℃

# LED Layout



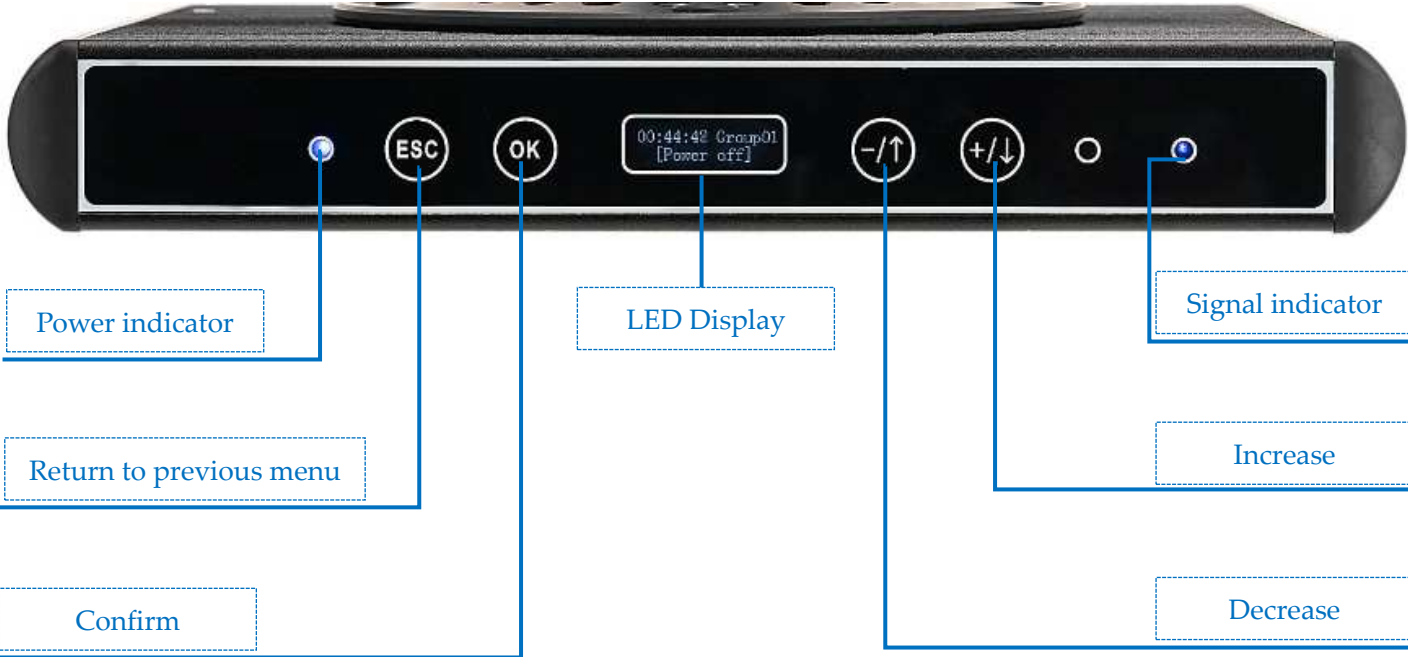
LED Channel	Color of the LED chips
Channel A	 14000K Cold White
Channel B	 450nm Deep Sea blue+457nm Dark Blue
Channel C	 430nm Indigo blue
Channel D	 410nm Violet, 420nm Purple
Channel E	 3000K Warm White and 6500K Neutral White

# Spectrum

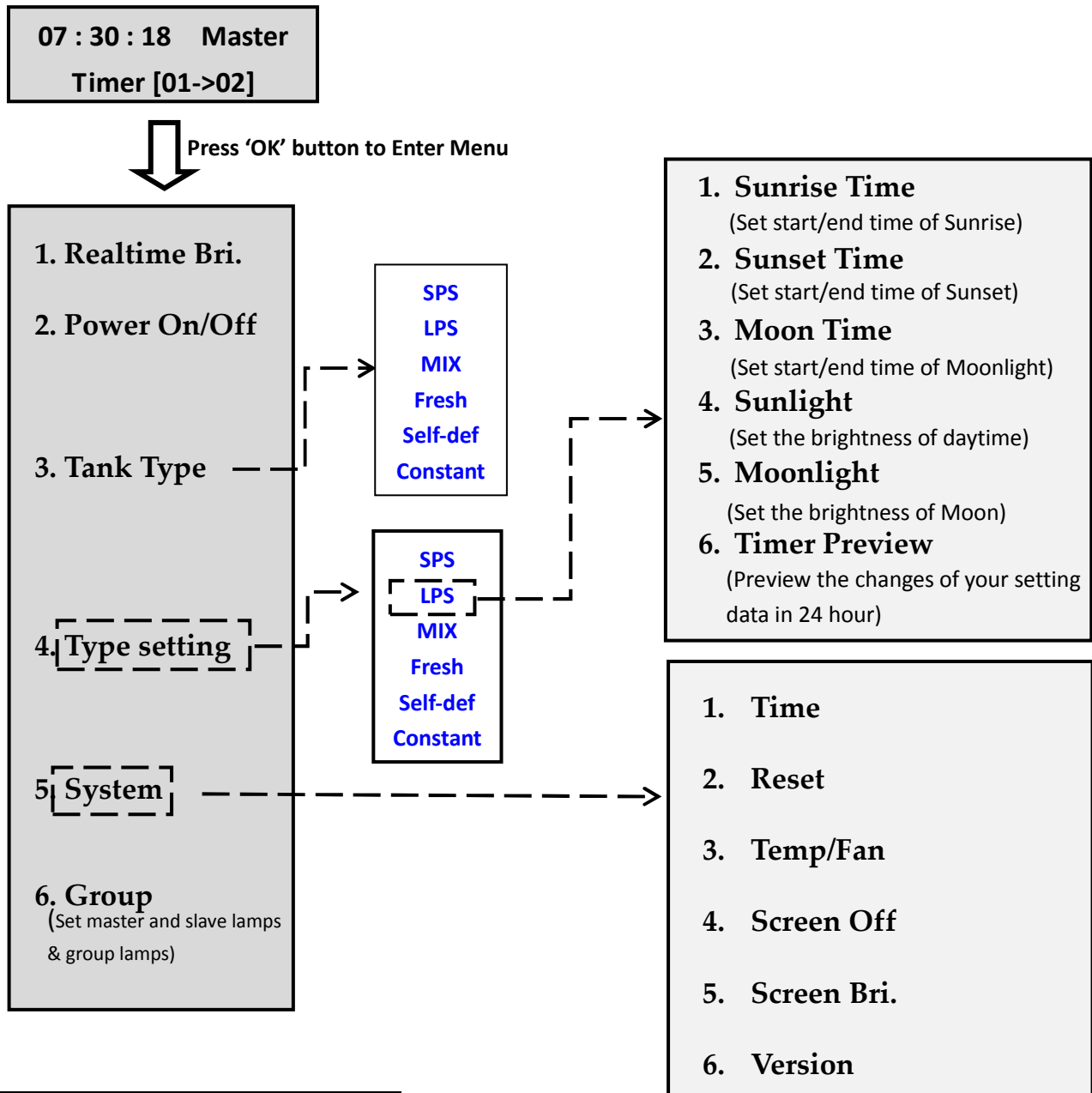


# Operation Manual

## 1. Buttons and display



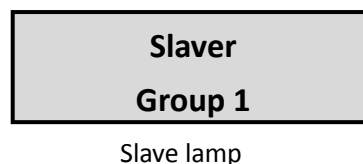
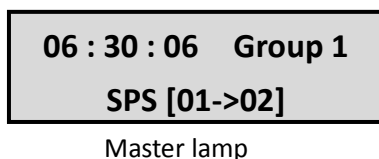
## 2. Menu Content



## 3. Menu Introduction

### ● OLED Display Screen

G6 AquaSpace support OLED screen display. The OLED screen can show the lamps status as the following figures.



For master lamps, there are two lines.

First line is the clock and master group no.

Second line shows the running mode (such as SPS or LPS etc.) and the current working stage.

For example, Timer [01->02], the light is running in timer mode, and working from the first time point to the second time point.

## ● **Introduction of menu items**

Press the “OK” button to enter the menu.

### **1. Realtime Bri.**

Displaying the real-time brightness (as a percentage) of each channel.

### **2. Power On/Off**

Turn off the light without shut off the power supply.

When select power “off”, all led channels turn off.

When select power “on”, all led channels works and lamps resume normal running.

### **3. Tank Type**

User can select the different working mode for tank, such as SPS,LPS,MIX,Self-def and Constant.

### **4. Type Setting**

Users can set all parameters for modes, Include SPS,LPS,MIX,Self-def and Constant mode.

#### **A: Constant mode**

This mode only set each channel’s brightness and it will run all day without any change.

**B:** Except the Constant mode, all other modes need to set data as below:

#### **> 1. Sunrise time**

Set the start and end time of sunrise (Time point 01 &02)

#### **> 2. Sunset time**

Set the start and end time of sunset (Time point 03 &04)

#### **> 3. Moon time**

Set the start and end time of Moon (Time point 04 &05)

#### **> 4. Sunlight**

Set the brightness of each channels of daytime. (Time point 02 to time point 03)

#### **> 5. Moonlight**

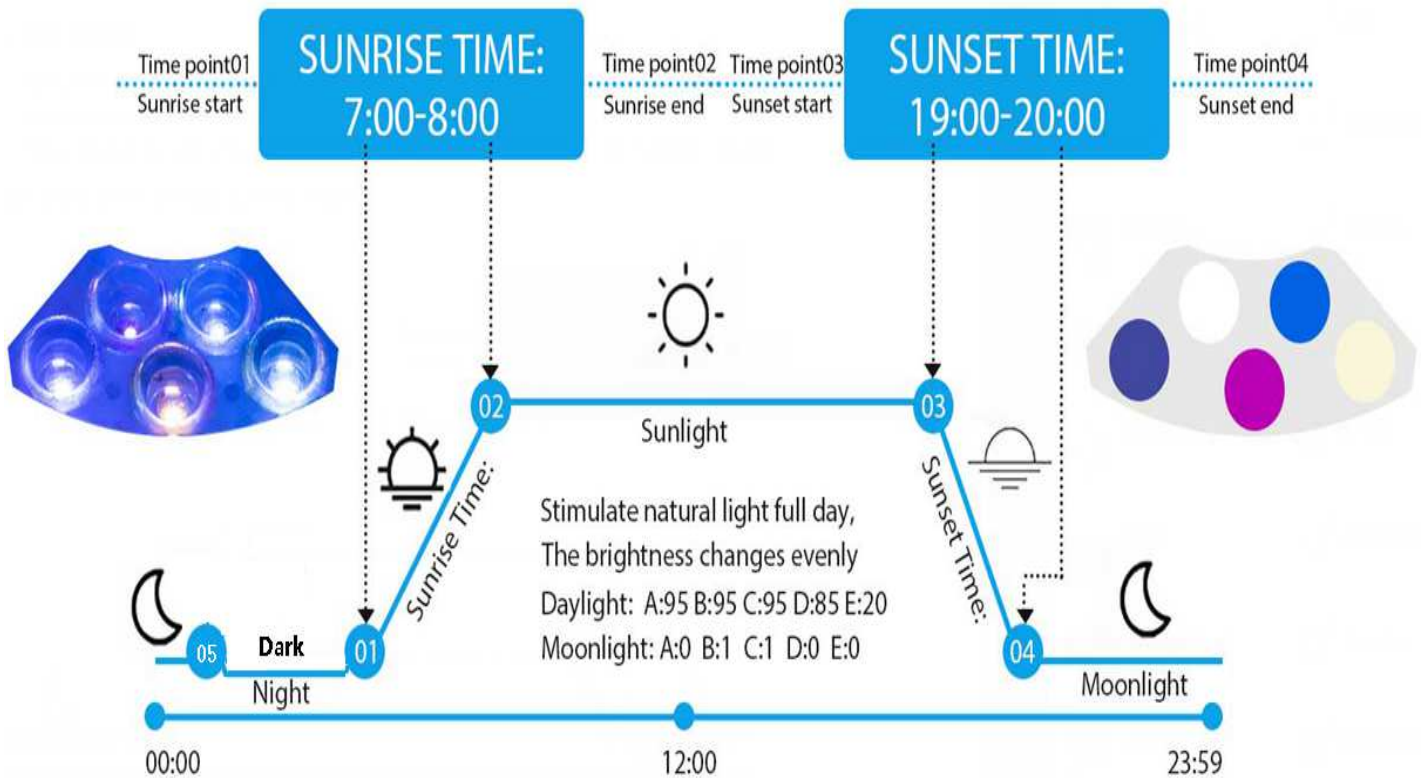
Set the brightness of each channels of night. (Time point 04 to time point 01)

## > 6. Time Preview

Time preview function can let users to check timer mode configuration. Users can preview the changes of 24 hours running data in quick time.

Please note that the lamp will quickly show brightness of all channels of whole day in preview function.

The graph below shows the light curve of 24 hours:



## 5. System

### > 1. Time

Set user local time of lamp.

### > 2. Reset

Clear user's setting parameters, and restore to the factory default settings.

### > 3. Temp/Fan

Shows the current time, the internal temperature of the lamp, and the status of the fan.

### > 4. Screen Off Time

The OLED screen will turn off after the screen off time (min) if no any operations.

### > 5. Screen Bri.

Set the OLED screen brightness.

## 6. Group

When multi G6 lamps in one a big tank, users can set one G6 lamp work as master and others as

slave with same group no. After setting master and slave, slave lamps will follow master.

### 1. Master-slave lamp setup



Master: Main lamp, it can control all slave lamps with same group no. Users can only do settings on master, no need other operations on slaves.

Slave: Choose [slave] mode and group no. the slave lamp will follow master lamp and no need set other parameters. It will run same with master.

The brightness/parameters of the master lamp can only be synchronized by slaves with same group no.

### 2. Group no

The master and slave lights must be in the same group, so that they can be synchronized.

G6 can support maximum number of groups: 10

## 4. Remote Function



Note: Remote need install a lithium battery CR2025 3V before use.

# Configuration and Default

## 1. Set System Time

Press “ok” button and Enter “5.system” item, select “1. time” and set to your local clock.

## 2. Enter **Type Setting** and set sunrise/sunset /moon time, and brightness of each type

Press “ok” button and select “4.Type Setting” item, press “ok” to select one type such as “SPS”, and select “sunrise” to set sunrise time;Select “sunset” to set sunset time; Select “moon time” to set moon time. Select “sunlight” to set channels brightness of daytime; Select “moonlight” to set channels brightness of moon.

## 3. Enter **Tank Type** and select one mode for your tank.

## 4. If multi G6 lamps in one big tank, set one G6 as master, others are slave. Keep them in same group no.

The following is suggested setting of different tanks for your reference:

### SPS

Default Setting		Channel brightness setting					
Sunrise:	7:00-8:00	Channel name	CH1	CH2	CH3	CH4	CH5
Sunset:	19:00-20:00	Sunlight	95	95	95	85	20
Moon:	20:00-23:00	Moonlight	0	1	1	0	0

### LPS

Default Setting		Channel brightness setting					
Sunrise:	8:00-9:00	Channel name	CH1	CH2	CH3	CH4	CH5
Sunset:	19:00-20:00	Sunlight	80	80	80	20	15
Moon:	20:00-23:00	Moonlight	0	1	1	0	0

### MIX

Default Setting		Channel brightness setting					
Sunrise:	7:30-8:30	Channel name	CH1	CH2	CH3	CH4	CH5
Sunset:	19:00-20:00	Sunlight	40	90	90	75	15
Moon:	20:00-23:00	Moonlight	0	1	1	0	0

### Flesh

Default Setting		Channel brightness setting					
Sunrise:	8:00-9:00	Channel name	CH1	CH2	CH3	CH4	CH5
Sunset:	19:00-20:00	Sunlight	40	50	50	20	60
Moon:	20:00-23:00	Moonlight	0	1	1	0	0

### Self-Def

Default Setting		Channel brightness setting					
Sunrise:	8:00-9:00	Channel name	CH1	CH2	CH3	CH4	CH5
Sunset:	19:00-20:00	Sunlight	40	90	90	75	15
Moon:	20:00-23:00	Moonlight	0	1	1	0	0

### Constant

Default Setting		Channel brightness setting					
		Channel name	CH1	CH2	CH3	CH4	CH5
		Brightness	100	100	100	100	100



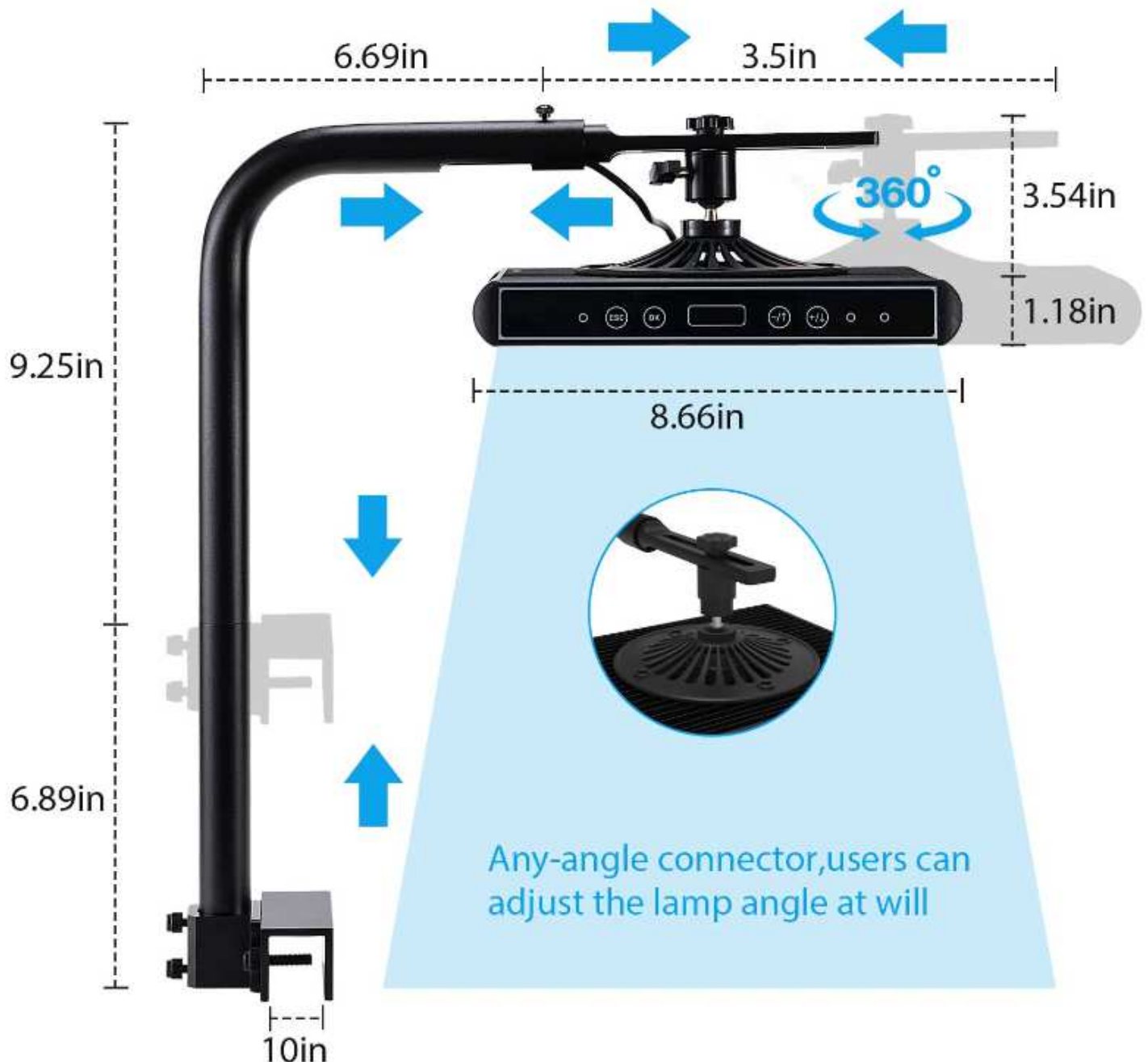
# Installation

## ➤ Packing list

1. G6 LED aquarium light \* 1 pcs
2. Full Aluminum bracket \* 1 set  
(Extension bar of the bracket included)
3. Screws for bracket \* 1 set
4. User's Manual
5. Adapter \* 1 set
6. Power cord \*1

## ➤ Rack for Tanks

### ANTI-CORROSION ALUMINUM RACK



## ➤ Assembling Steps of Rack

### .Package List



1. G6 body   2. External adaptor   3. Remote   4. Universal connector   5. Clamp  
 6. AC cord   7. Stand A (straight)   8. Stand B (Bent)   9. Extension fixing rod



# G6 Configuration for Tanks

## Smart Choice for Reef Tanks

Tank Size L*W*H (inch)	G6 AquaSpace 100watts				Note
	1pcs	2pcs	3pcs	4pcs	
10gallon 20*10*12	✓				One G6 is 100watts, One G6 can cover tank length from 16" to 32", deep to 32", enough wattage for tanks from 10 gallons to 35 gallons.
15gallon 24*12*12	✓				
20gallon 24*12*16	✓				
30gallon 30*12*18	✓				
35gallon 30*16*20	✓				
40gallon 36*18*16		✓			One G6 is 100watts, Two G6 can cover tank length from 36" to 48", deep to 40", enough wattage for tanks from 40 gallons to 90 gallons.
50gallon 48*16*16		✓			
60gallon 48*18*16		✓			
75gallon 48*18*21		✓			
90gallon 48*18*24		✓			
120gallon 48*24*24			✓		One G6 is 100watts, Three G6 can cover tank length from 48" to 72", deep to 48", enough wattage for tanks from 120 gallons to 180 gallons.
135gallon 60*24*24			✓		
150gallon 60*24*27			✓		
180gallon 60*24*30			✓		
200gallon 72*24*30				✓	One G6 is 100watts, Four G6 can cover tank length from 72" to 96", deep to 60", enough wattage for tanks from 180 gallons to 280 gallons.
220gallon 72*24*32				✓	
250gallon 72*28*32				✓	
280gallon 80*28*36				✓	

**Please Note:**

1. We suggest one G6 cover 24inch in length, and 32inch in depth for SPS.
2. One gallon need 2-3watts.
3. Don't set multi masters in one group. Slave lamps will flash.

# Application of G6



## Contact Us

Email address: [info@ctlite.cn](mailto:info@ctlite.cn)

Send message via [skype message](#)

Website: [www.ctlite.cn](http://www.ctlite.cn)

[Ask question /QA](#) on our page

We offer lifetime technical support! All the message will be replied at 24 hours.