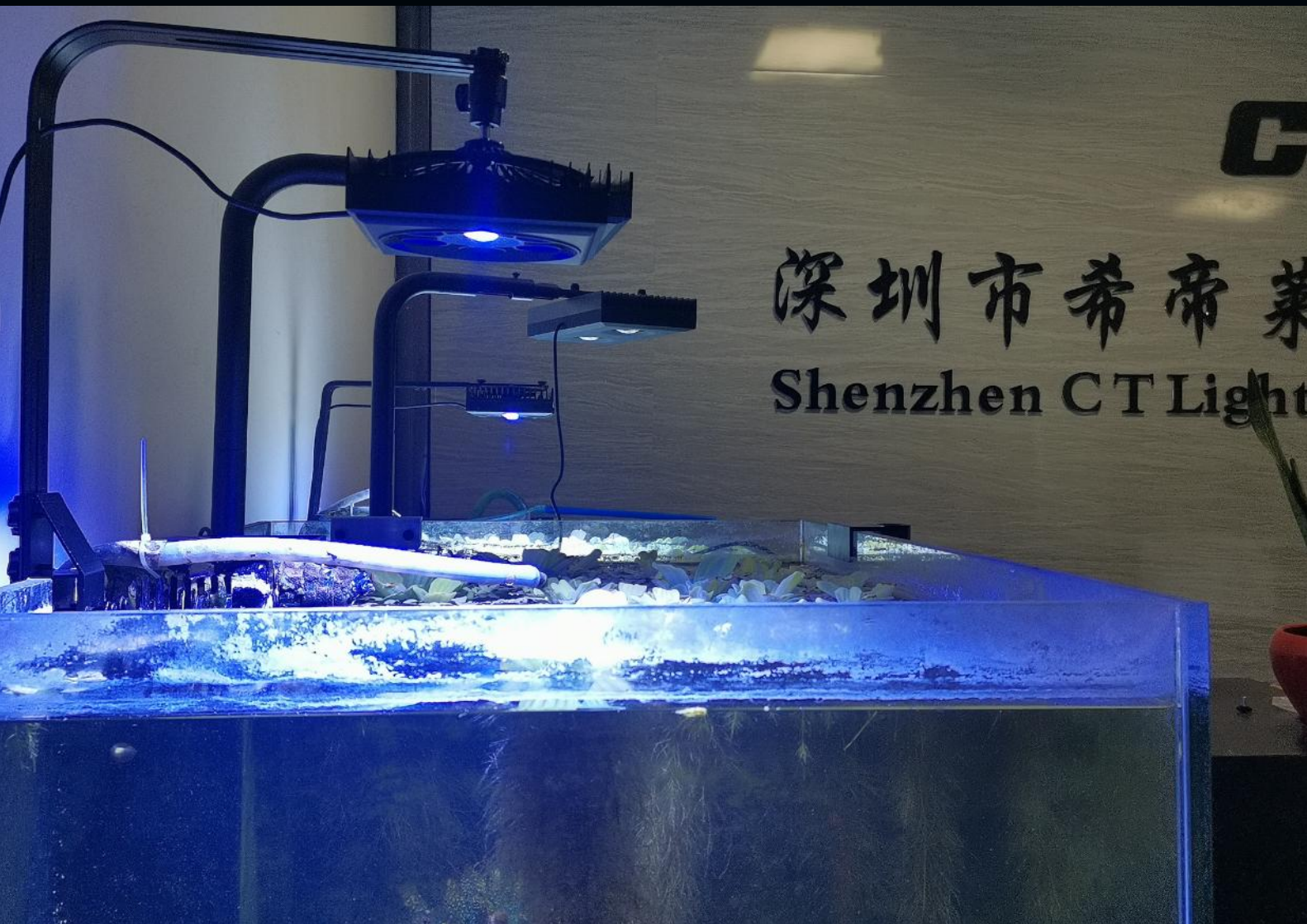




G7 AQUAMARS

LED AQUARIUM LIGHT



希帝莱特 ^{科技} LED
CTLite

Shenzhen CTLite Technology Co., Ltd.



Timer



Night Mood



Dimmer

User's Manual

Specification

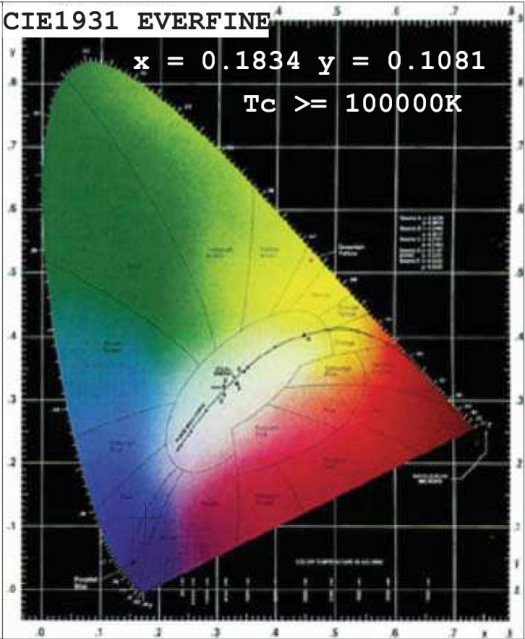
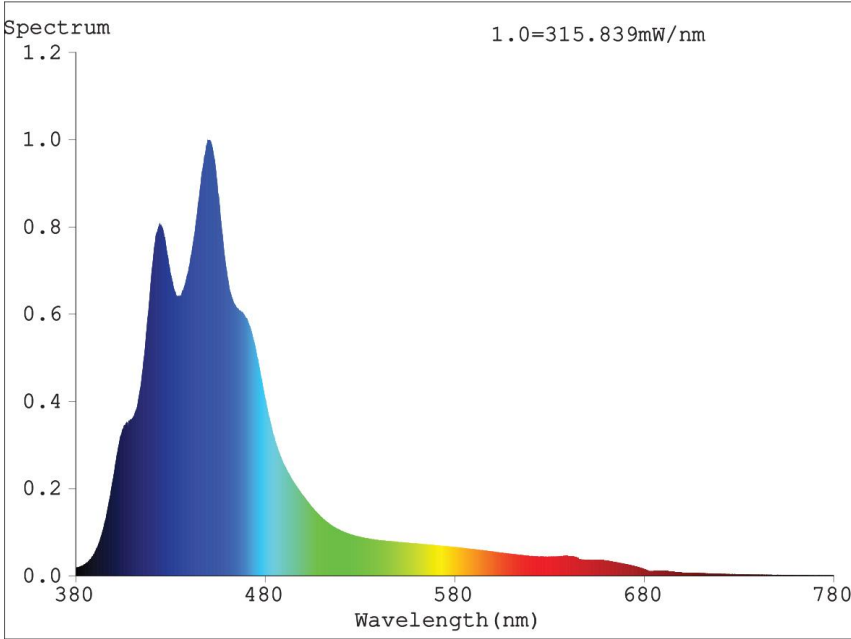
Item	Specification	Item	Specification
LED Brand	CREE/Epistar	Input Voltage	100-240V AC
LED Quantity	26pcs	Single LED power	5W
Max power	60W (±5%)	Product/Lamp size(mm)	150*150*50mm
Net weight	1.5kg	Package size(mm)	400*310*100mm
Shell material	Aluminum +Plastic	Shell color	Black
Working temperature	-10℃ - 50℃	Storage temperature	-20℃ - 70℃

LED Layout



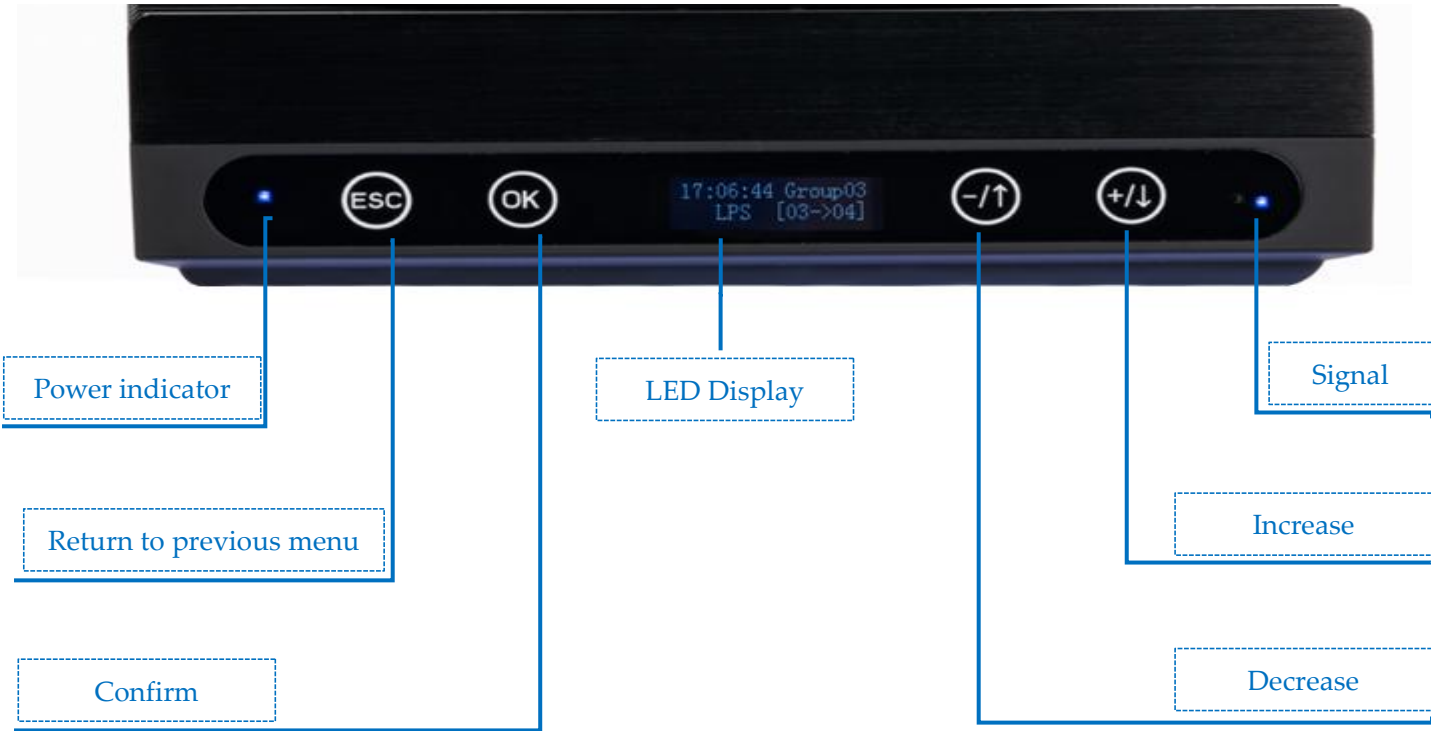
LED Channel	LED Type
Main Channel A	 AquaSpecial: 14000K Cold White, Blue460,3000K Warm White
Blue Plus B	 450nm Deep Sea blue+460nm Dark Blue+470nm sky blue
Purple Plus C	 410nm Violet, 420nm Purple 430nm Indigo blue

Spectrum

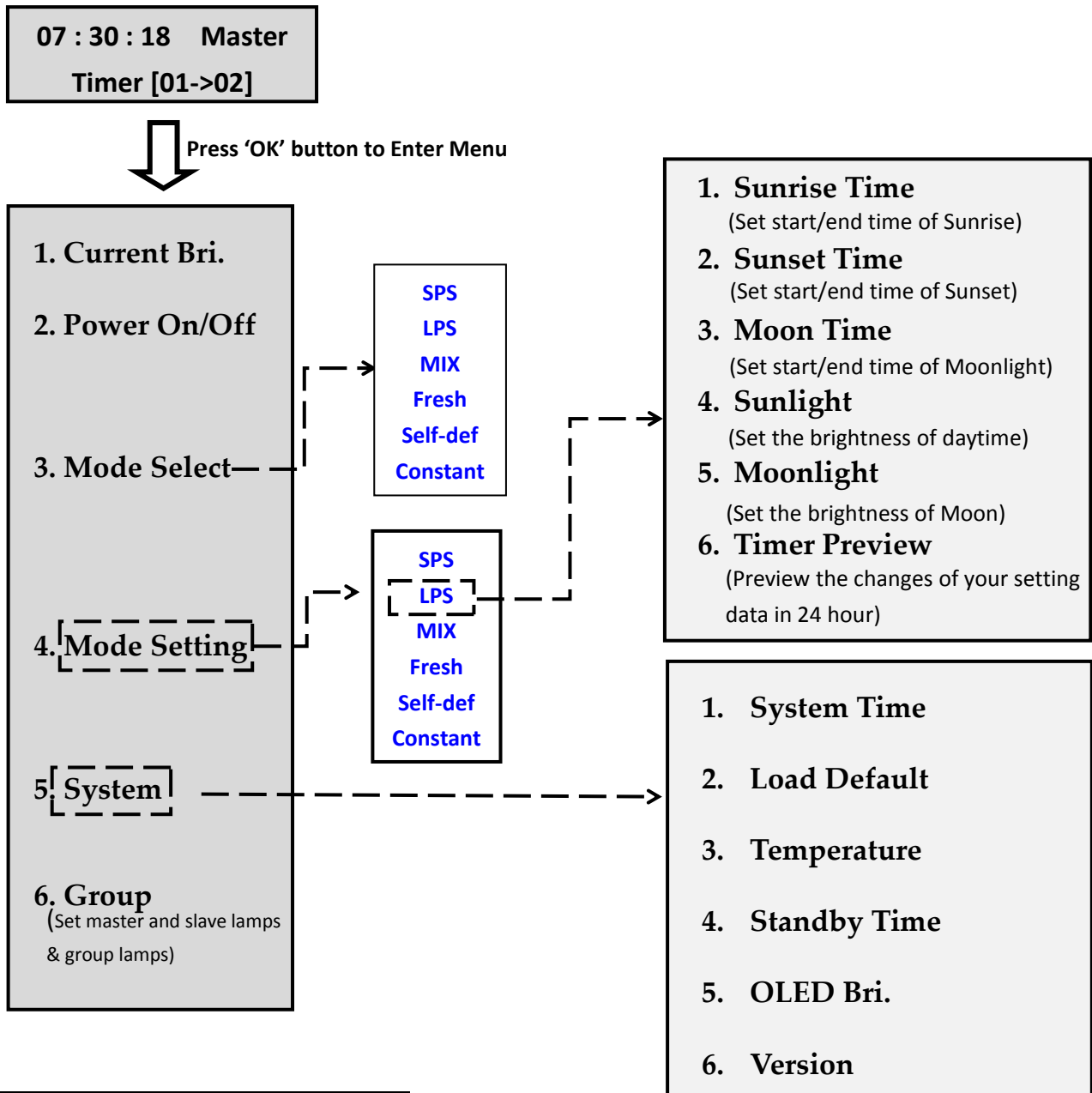


Operation Manual

1. Buttons and display



2. Menu Content



3. Menu Introduction

● OLED Display Screen

G7 AquaMars support OLED screen display. The OLED screen can show the lamps status as the following figures.

06 : 30 : 06 Group 1
SPS [01->02]

Master lamp

Slaver
Group 1

Slave lamp

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. Current 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. Mode Select

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

4. Mode 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

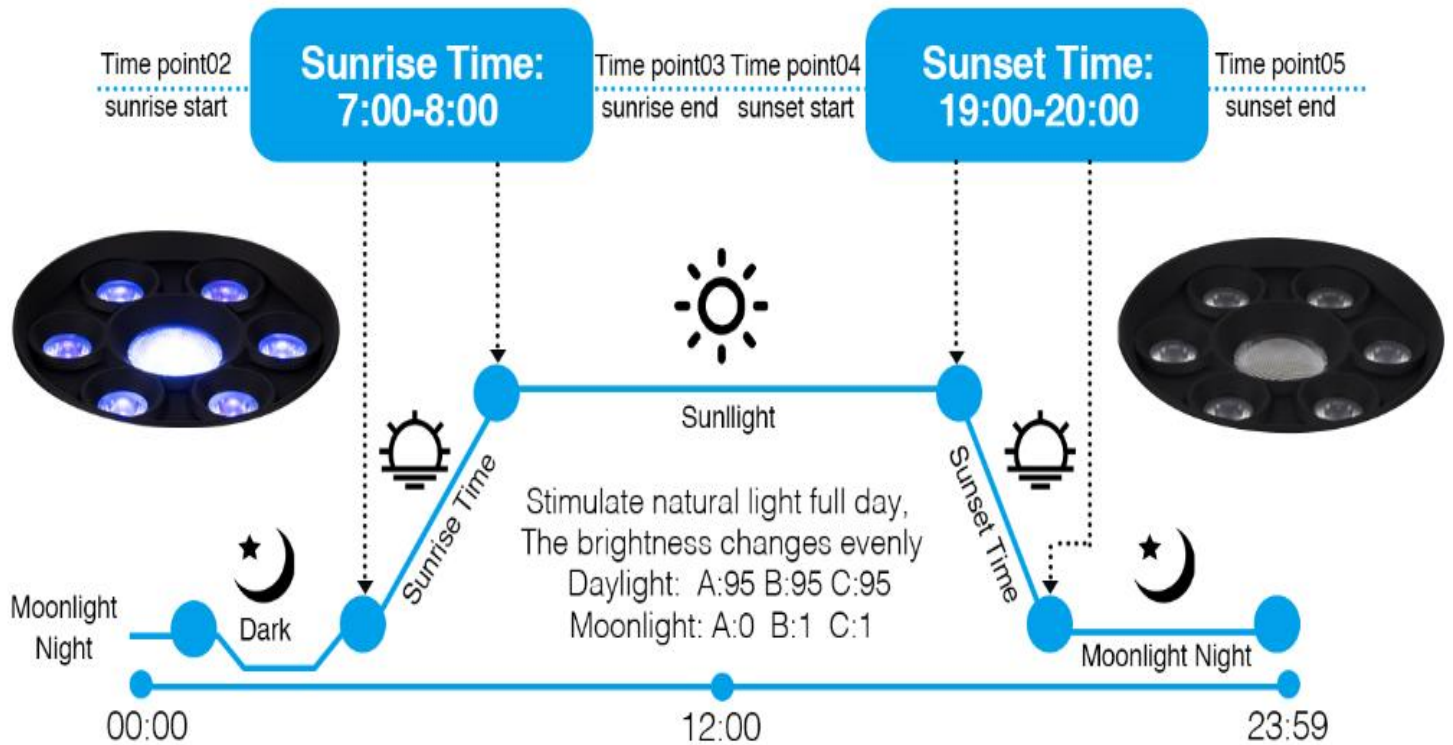
Set the brightness of each channels of night. (Time point 04 to time point 01)

> 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. System Time

Set user local time of lamp.

> 2. Load Default

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

> 3. Temperature

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

> 4. Standby Time

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

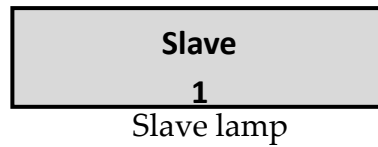
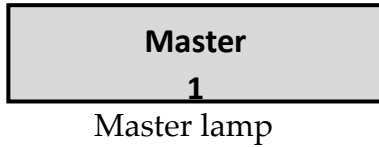
> 5. OLED Bri.

Set the OLED screen brightness.

6. Group

When multi G7 lamps in one a big tank, users can set one G7 lamp as master and others as slave with same group no. After setting, slave lamps will follow master.

1. Master-slave lamp setup



Master: Main lamp, it can control all slave lamps in a same group. 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.

2. Group no

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

G7 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. System time” and set local clock.

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

Press “ok” button and select “4.Mode Setting” item, press “ok” to select one 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 Mode Select and select one mode for your tank.

4. If multi G7 lamps in one big tank, set one G7 as master, others are slave.

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
Sunset:	19:00-20:00	Sunlight	95	95	95
Moon:	20:00-23:00	Moonlight	0	1	1

LPS

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

MIX

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

Fresh

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

Self-Def

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

Constant

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

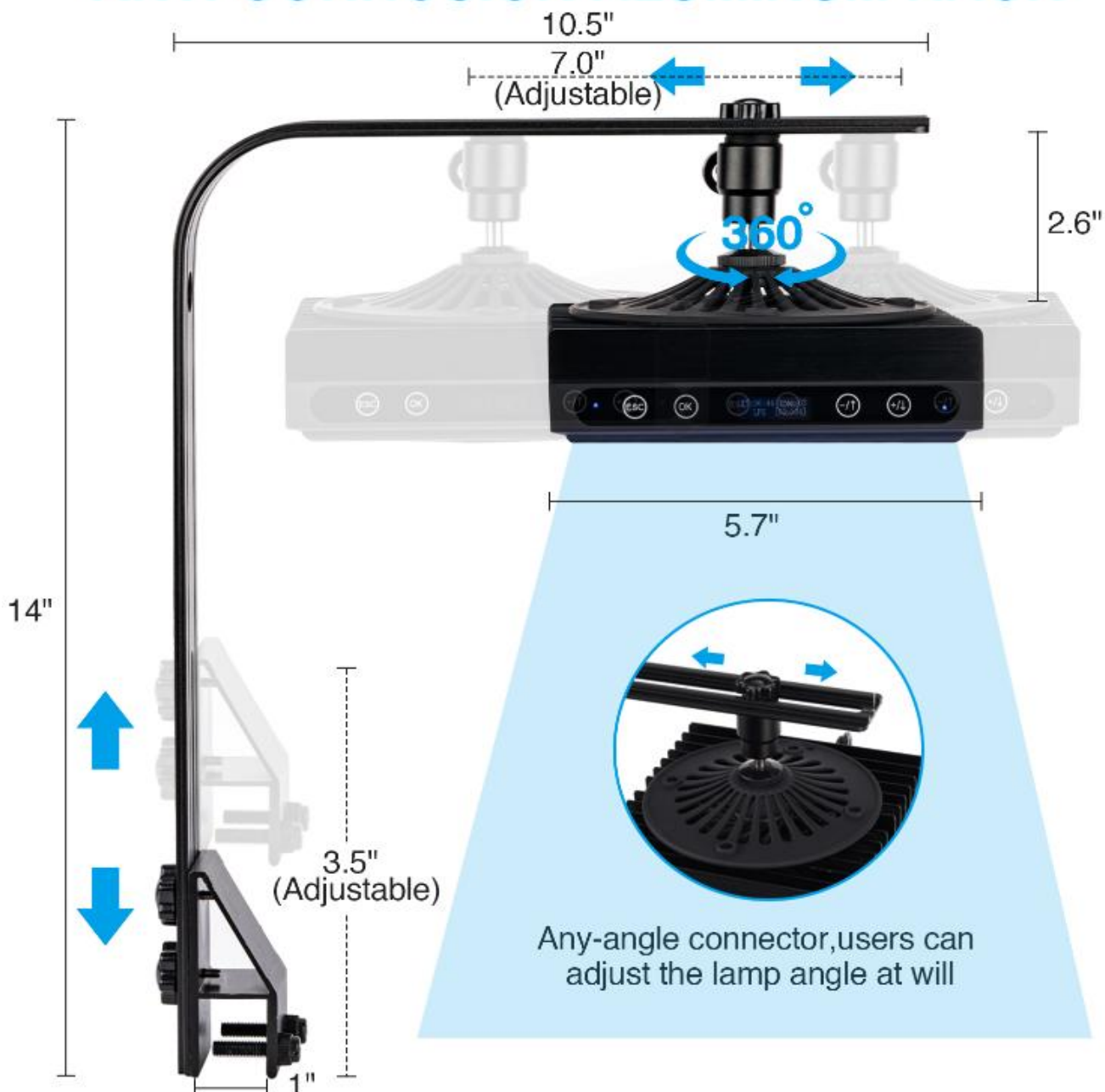
Installation

➤ Packing list

1. G7 LED aquarium light * 1 pcs
2. Full Aluminum bracket * 1 set
(Screws and bracket base 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

Part List



- 1. G7 body
- 2. External adaptor
- 3. Universal connector
- 4. Remote
- 5. AC cord
- 6. Rack Base
- 7. Rack

Step 3: fix lamp with rack

Step 2: Connect ① and ③

Step 1: Fix Clamp ⑥ with tank



G7 Configuration for Tanks

Smart Choice for Reef Tanks

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

Please Note:

1. We suggest one G7 cover 20inch in length, and 24inch 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 G7



Contact Us

☑ Email address: info@ctlite.cn

☑ Send message via [skype message](#)

☑ Website: www.ctlite.cn

☑ [Ask question /QA](#) on our page

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