



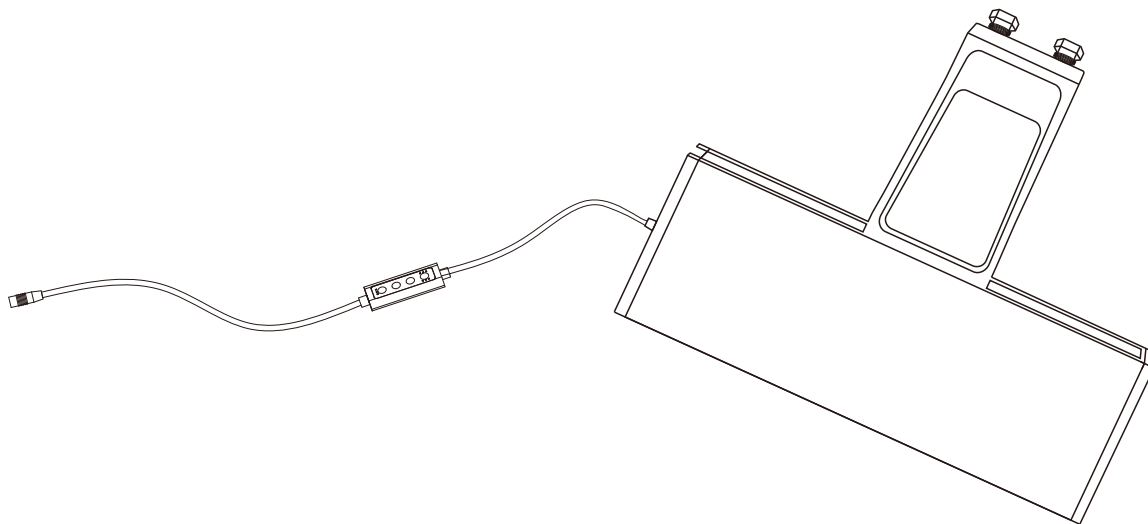
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# HG-990 USER MANUAL

**HYGGER PLANTED + 24/7 AQUARIUM CLIP-ON LIGHT**



Hygger planted + 24/7 aquarium clip-on light is intended for planted aquarium lighting. Please read this manual carefully before use and follow the instructions carefully.

## 1. PRODUCT FEATURES

- **Super bright:** Premium 68 LED in total to produce an amazing shimmer effect to your aquarium and emit enough bright light for a healthy and growth environment for your fish and other inhabitants.
- **Adjustable timer:** Lighting time can be programmed to 6H, 10H, and 12H.
- **Adjustable Brightness:** HG-990 lighting mode can be adjusted to 5 stages brightness (10%-25%-50%-75%-100%-75%-50%-25%-10%)
- **24/7 Lighting Mode:** This fish tank light creates 24-hour gradual sunrise, sunset, and moonlighting for a natural rhythmic light cycle.
- **Easy to maintain:** Built-in smooth metal aluminum housing, just use a piece of a dry towel to wipe it clean.
- **Removable clip:** The light can be removed from the clip and easily assembled from the front and side part.
- **Fit for tank thickness less than 0.9 inches:** This Led aquarium light fits for most rim and rimless fish tanks with tank glass thickness up to 0.9 inches.
- **Suitable for plants and freshwater:** The full-spectrum bulbs can produce different colors depending on your option.

## 2. PRODUCT PARAMETERS

| MODEL  | OUTPUT VOTAGE | POWER | LED QUANTITY | LIGHT SIZE | APPLICATION | POWER CORD  |
|--------|---------------|-------|--------------|------------|-------------|-------------|
| HG-990 | DC20V         | 14w   | 68 PCS       | 12 "       | 12"-20"     | 4.9ft+2.6ft |

## 3. METHOD OF APPLICATION

**A.**Unpack the box and check that if the light and other accessories are included. If missing parts, please contact the seller.

**B.**Clamp the clip at the rim of the fish tank then assemble the light, you can assemble it in the front or side part.

**C.**Connect the power supply with the light, then plug it in. Ensure a drip loop is created before the outlet as shown on the warning label.

Press the  button to turn on the light. Use 1 long-press of the same button to turn off the light.

There are two lighting modes for options.

**This first one is timer lighting mode. You can alter light color, intensity, and lighting time at this cycle. When you choose a timer lighting mode, please follow the below steps to program the light:**

1. Press the  button to choose the light color you want, 7 types of adjustable colors can be chosen : white→red→blue→green→purple→yellow→cyan→ Color Changing Loop

**PS:** If you are cycling the light colors then the timer will not function. The brightness is unable to be adjusted and it will never turn off unless you manually turn it off.

2. Press the  button twice, the light becomes a 100% full-spectrum light.

3. Press the  button to set the lighting time, 3 types of adjustable timers can be chosen (6H, 10H, 12H, No timer). Press the  button to choose 6 hours, the indicator light on the top of the timer button turns on red. Press twice the  button, 10 hours, indicator light flashes green. Press the  button three times, selects 12 hours, the indicator flashes blue.

For example, if you choose 10H at 9 AM, this light will auto turn on at 9:00 am and turn off at 7:00 pm every day.

**NOTE:** Press the  button the light will turn on in 8 seconds or so.

4. Press the  button to adjust the brightness, 5 types of adjustable brightness can be chosen (100%-75%-50%-25%-10%-25%-50%-75%-100%).

Once setting up timer lighting mode, next day the light slowly ramps up and down in about 15 minutes. You need to reprogram the light after powering it off.

**The second lighting mode is 24/7 lighting mode, the daylight cycle takes approximately 16.5 hours from start to finish. Day light starts at a dim orange and slowly works up to full bright for the late morning through afternoonish, then starts winding down. The last 30mins are blue only LEDs that slowly fade out to off. At this mode, the light color, intensity are fixed, unable to change. The indicator light on the top of the hour points out the current time range.**

**Here are some details/info.**

**The 24h button has 8:00 / 10:00 / 12:00 / 15:00 / 18:00 / 22:00 settings. This is for setting where in the light cycle the current time of day is.**

1. When you press this button at the exact hour of 8:00 10:00 12:00 15:00 18:00 22:00 the light will turn off at 22:50 and turn on at 06:00 at the next day. These 6-time points are an auxiliary reminder function. You can use them on the controller as reminders for the first time to set the local time.

For example if you power up the light and want to start the 24h cycle, and its 10:00am you set it to the 10:00 button. If it was 3:00pm you would set it to 15:00, etc. Now the cycle will start at 6am and end at 22:50 (10:50pm).

2. If you made the timer think it was an hour earlier than it really was. It would turn off an hour earlier than 22:50 and turn on earlier than 06:00 at the next day.

For example, if you choose the  at the time of 17:00, the light will turn off at 21:50 and turn on at 05:00 at the next day.

3. If you made the timer think it was an hour latter than it really was. It would turn off an hour later than 22:50 and turn on an hour later at the next day.

For example, if you choose the  at the time of 19:00, the light will turn off at 23:50 and turn on at 07:00 at the next day.

## NOTE :

1. This 24/7 light mode work from 6:00 A.M to 10:50 P.M every day.
2. The timer is unable to be programmed from 10:00 pm to 6:00 am.
3. The light is incapable of memory function, the timer restore to 6 a.m, you have to reset the light.

## 4. ATTENTION:

- ✓ Please read the manual carefully before using and follow all instructions.
- ✓ Please keep the switch away from water, the switch is not waterproof.
- ✓ Please keep the light away from flammable items.
- ✓ Please unplug the power and contact the seller if the light is not working properly, **\*\*OPENING WILL VOID WARRANTY\*\***
- ✓ Please unplug the power before maintenance.
- ✓ Please remember that the temperature range for the light is 23~113°F.

## 5. PACKAGE INCLUDES:

- 1× Led Light
- 1×AC/DC power adaptor
- 1×Clip
- 1×User manual

 **6. WARNING:** To avoid possible electrical shock, do not immerse the switch in water. If the switch falls into the water, or otherwise becomes wet, do not touch it until you have unplugged it. Basic safety precautions should be observed including the following:

1. Read and follow this user manual strictly.
2. **DANGER-**To avoid possible electric shock, special care should be taken. For each of the following situations, do not attempt to repair yourself; return the light to an authorized service facility for service or discard the light.
  - A. Carefully examine the light after installation. It should not be plugged in if there is water on parts not intended to be wet.
  - B. Do not operate the light if it has a damaged cord or plug, if it is malfunctioning or if it is dropped or damaged in any manner. The power cord of this light cannot be replaced, if the cord is damaged, the light should be discarded.

**C.** To avoid the possibility of the light plug getting wet, position the aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord connecting the light to the receptacle. The “drip loop” is the part of the cord below the level of the receptacle or the connector. If an extension cord is used, to prevent water from traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, **DO NOT** unplug the cord.

Disconnect the fuse to the circuit breaker that supplies power to the light. Then unplug and examine for the presence of water in the receptacle.

**3.** Close supervision is necessary when the light is used near children.

**4.** To avoid injury, do not touch moving or hot parts.

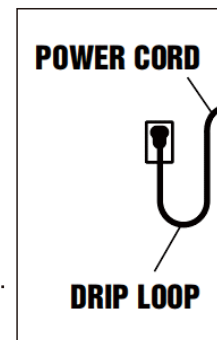
**5.** Make sure the light is securely installed before operating it.

**6.** Read and observe all the important notices on the light.

**7.** If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

**8.** The light is intended **FOR HOUSEHOLD USE ONLY**.

**9.** **SAVE THIS USER MANUAL**



## **7. WARRANTY:**

**1.** 1-year free warranty.      **2.** 1-month free return.      **3.** Free replacement for 3 months.

## **8. DISPOSAL**

Do not dispose this product as unsorted municipal waste. This product must not be disposed together with the domestic waste it must be disposed of at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly way.

## **9. Contact information:**

E-mail: [distributor@hyggeraquarium.com](mailto:distributor@hyggeraquarium.com) Website: [www.hyggeraquarium.com](http://www.hyggeraquarium.com)



**Thank you for choosing Hygger. Making aquarium keeping easier one product at a time.**

**If you have any problems or suggestions for the Hygger Planted + 24/7 Aquarium clip-on Light, please contact us by email before leaving feedback or opening a case, it will be the fastest way to solve your problem. If you are satisfied with this product, please leave positive feedback for our product in order to let more customers enjoy it. Thanks again!**