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## hygger 957

# hygger Auto On Off LED Aquarium Light User Manual

Model: 957 | Brand: hygger

## 1. INTRODUCTION

This manual provides comprehensive instructions for the hygger Auto On Off LED Aquarium Light (Model 957). This advanced lighting system is designed to create optimal conditions for freshwater aquariums and planted tanks, featuring programmable 24-hour light cycles, adjustable intensity, and multiple color options.

Key features include:

- Programmable 24-hour light cycle (sunrise, midday, sunset, night).
- Sunrise & Sunset function for gradual light changes.
- Programmable moonlight colors (full spectrum, red, purple, blue, cyan, green, yellow).
- Fine-tune lighting schedules and color gradient loop operation.
- Two modes: default auto cycle and DIY cycle.
- IP68 Water-Resistant Rating for durability.
- Low voltage DC adapter for safe and energy-efficient use.

## 2. PRODUCT COMPONENTS

The hygger Auto On Off LED Aquarium Light package includes the following components:

- Aquarium light body
- Power supply adapter
- Adjustable mounting legs

## Moonlight Mode -6 Single-Colored Lighting Options

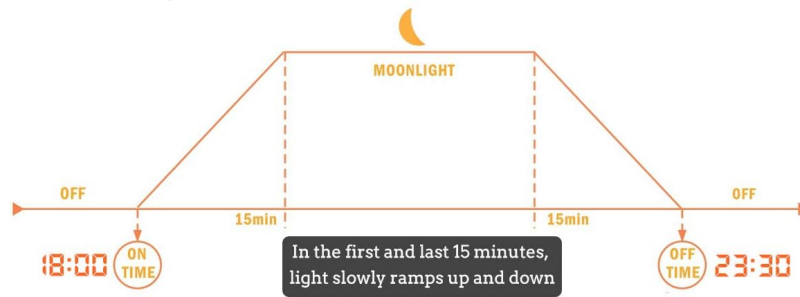


Figure 2.1: Included components of the hygger aquarium light.

### 3. SETUP GUIDE

#### 3.1 Physical Installation

1. Attach the adjustable mounting legs to both ends of the light fixture.
2. Place the light fixture securely on top of your aquarium, ensuring the legs are extended to fit the tank's width (12 to 17 inches for this model).
3. Connect the power supply adapter to the light fixture.
4. Plug the power supply into a suitable electrical outlet.



Figure 3.1: Hygger aquarium light installed on a fish tank.

## 3.2 Initial Power-On and Time Setting

Upon plugging in, the light will turn on in its default auto cycle. The first step is to set the local time on the control panel.

1. Press the **SET** (gear) icon until "12H/24H" flashes. Use the **UP** (▲) or **DOWN** (▼) buttons to select your preferred time format. Press **SET** to save.
2. The first digit of the hour will flash. Use the **UP** (▲) or **DOWN** (▼) buttons to set the current hour. Press **SET** to save.
3. The minute digits will flash. Use the **UP** (▲) or **DOWN** (▼) buttons to set the current minutes. Press **SET** to save.

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Video 3.1: Detailed instructions on how to program the hygger HG957 light, including setting the local time.

## 4. OPERATING MODES

The hygger aquarium light offers two primary operating modes: Standard Mode (Auto Cycle) and DIY Mode.

### 4.1 Standard Mode (Auto Cycle)

In Standard Mode, the light automatically simulates a 24-hour cycle of sunrise, midday, sunset, and night. The default setting is light on at 6:30 AM and off at 11:30 PM.

- **Sunrise & Sunset Function:** The light gradually ramps up from 'off' to 'on' over a fifteen-minute period, preventing light shock to fish.
- **Daylight Mode:** Blends white, red, green, and blue LEDs for bright, full-spectrum light.
- **Moonlight Mode:** Provides 6 single-colored options (red, purple, blue, cyan, green, yellow) and 10 dimmable levels.

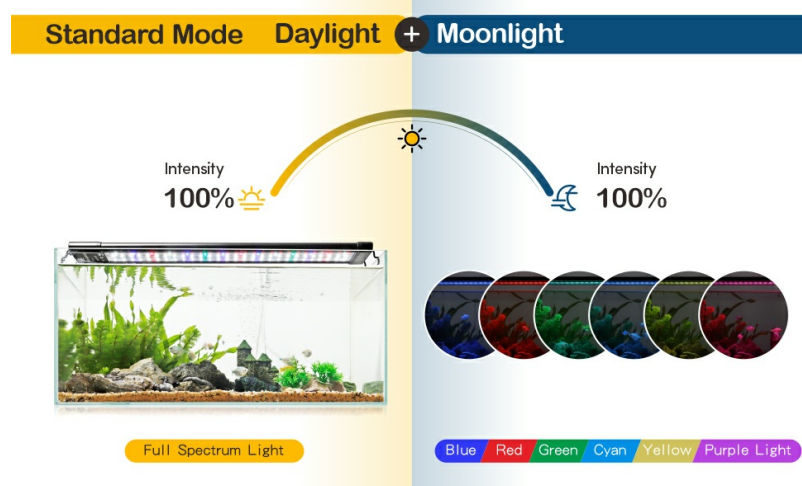


Figure 4.1: Visual representation of Standard Mode's daylight and moonlight cycles.

### 4.2 DIY Mode

DIY Mode allows for advanced customization of the light cycle. You can set up to 8 different time slots (L1-L8) with varying intensities and colors. Sections L1-L6 are for full spectrum light, while L7 and L8 are for blue light.

1. To activate DIY Mode, press and hold the **SET** (gear) icon and the **LIGHT** (bulb) icon simultaneously until the display reads "OFF".
2. Use the **UP** (▲) or **DOWN** (▼) buttons to switch to "ON" (L1 will appear). Press **SET** to save.
3. For each time slot (L1-L8), set the desired intensity (00-100%) and the begin and end times using the **UP** (▲)

or **DOWN** (▼) buttons and the **SET** icon to save each step. Set intensity to "00" to turn off the light for a specific period.

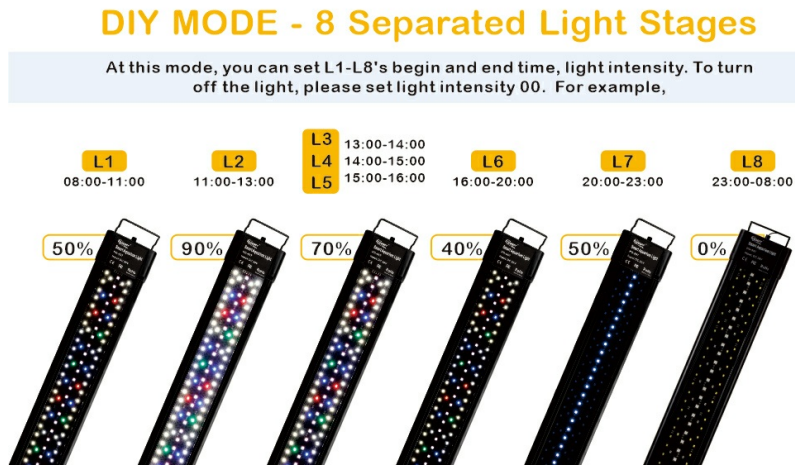


Figure 4.2: Illustration of DIY Mode's customizable light stages.

### 4.3 Adjusting Light Intensity and Color

You can fine-tune the light intensity and color settings:

- To adjust intensity: In either mode, press the **LIGHT** (bulb) icon once to switch between different lighting modes (white, red, blue, green, purple, cyan, yellow).
- To fine-tune color temperature: Press the **LIGHT** (bulb) icon twice. The middle array of RGB LEDs will change color, allowing for precise adjustments.



Figure 4.3: Overview of the integrated timer control panel with button functions.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your hygger aquarium light.

- **Cleaning:** Periodically wipe the light fixture with a soft, damp cloth to remove dust, water spots, and algae buildup. Ensure the light is unplugged before cleaning.

- **Water Resistance:** The light has an IP68 water-resistant rating, meaning it is protected against splashes and accidental water immersion. However, it is not designed for continuous submersion. Avoid intentionally submerging the light.
- **Connection Check:** Ensure all power connections are secure and free from corrosion.
- **LED Longevity:** The LEDs are designed for long-term use (up to 30,000 hours). No routine replacement is necessary.

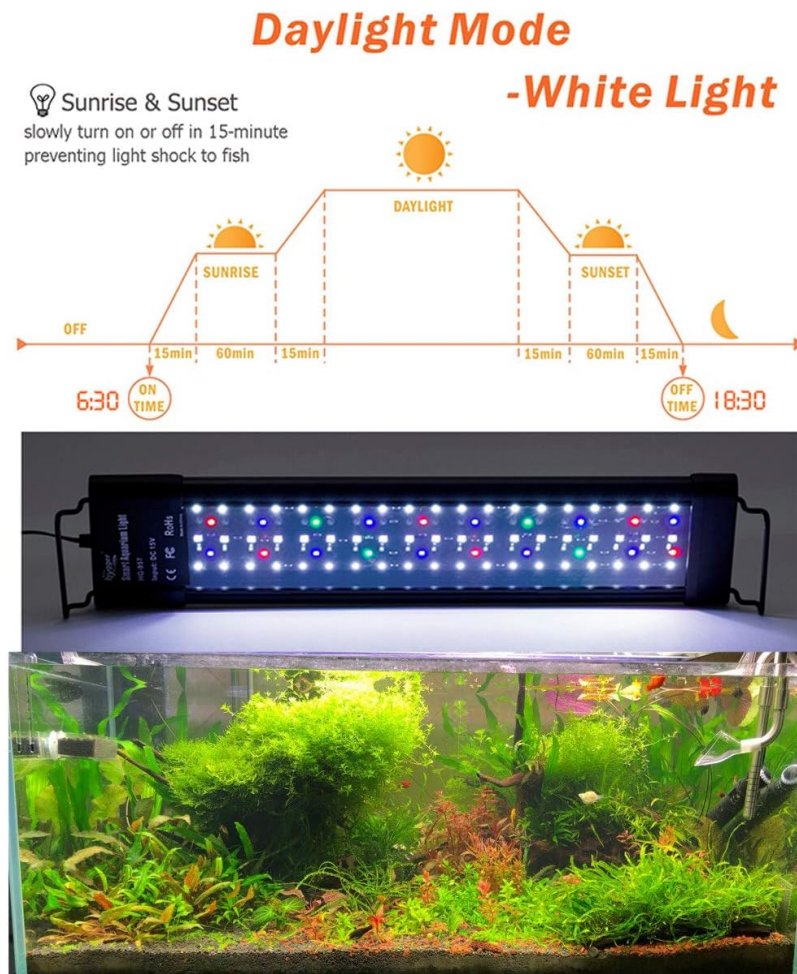


Figure 5.1: Close-up of the water-resistant coating on the LEDs.

## 6. TROUBLESHOOTING

If you encounter issues with your hygger aquarium light, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Light does not turn on.	Power supply disconnected or faulty; power outage.	Check power connections. If power was lost, reset the time and settings as needed.
Programming is difficult or buttons are unresponsive.	User unfamiliarity with controls; temporary software glitch.	Refer to Section 3.2 and 4.2 for detailed programming steps. Try unplugging and replugging the unit to reset.
Light turns off unexpectedly in Standard Mode.	Internal timer issue; power fluctuation.	Reset the light by unplugging and replugging. Re-enter time and check settings. Consider using a UPS for stable power.
Light loses settings after power outage.	Lack of internal battery backup for settings.	This is expected behavior for some models. Simply reset the time and desired light cycles after power is restored.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	957
Dimensions (L x W x H)	15.4" x 4.3" x 2.4"
Item Weight	1.39 pounds (0.63 Kilograms)
Power Source	Corded Electric
Voltage	120 Volts
Wattage	20 Watts
Light Source Type	LED (20x 6500K White, 4x Blue, 4x Red, 2x Green, 10x RGB)
Lumen Output	927 lumens
Color Temperature	6500-10000K
Water Resistance Rating	IP68
Material	Aluminum

## HG-957 Planted Aquarium Light Size Chart

Power	Suggested Fish Tank	Lumen	LED Bulbs(white+blue+red+green+RGB)	Kelvin	CRI	Input	Output
20W	12-18 inch	927	20+4+4+2+10	6500-10000K	89	AC 100-240V	DC 15V
26W	18-24 inch	1290	38+10+6+4+19				
36W	24-30 inch	1984	64+10+6+4+28				
48W	30-36 inch	2365	64+10+6+4+28				
60W	36-42 inch	2879	99+17+9+8+45				
72W	48-55 inch	3346	140+23+12+11+62				DC 20V

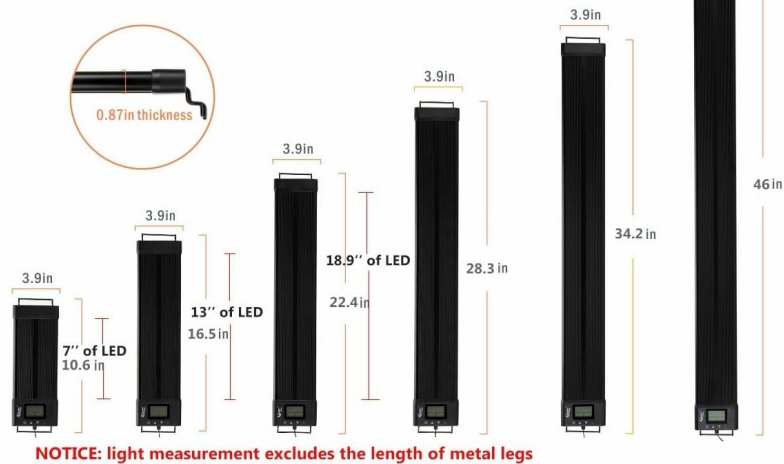


Figure 7.1: Size chart and specifications for various hygger aquarium light models.

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact hygger customer service. Refer to the product packaging or the official hygger website for the most up-to-date contact details.

You can also visit the [hygger Store on Amazon](#) for additional resources and product information.