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hygger HG957-60W-EU

Hygger LED Aquarium Light 60W User Manual

Model: HG957-60W-EU

1. Introduction

Thank you for choosing the Hygger LED Aquarium Light. This manual provides detailed instructions for the installation, operation, and maintenance of your new aquarium light. Please read this manual thoroughly before use to ensure proper function and longevity of the product. This 60W full-spectrum LED light is designed for aquariums measuring 91-106 cm, offering advanced features like LCD settings, sunrise/sunset simulation, moonlight mode, and a DIY programming option.

2. Safety Instructions

- Always disconnect the power supply before performing any maintenance or installation.
- This product is designed for indoor use only.
- Do not immerse the light fixture or power adapter in water. The light is water-resistant, but the power adapter is not.
- Ensure your hands are dry when handling the power plug.
- Do not operate the light if any part is damaged, especially the power cord or adapter.
- Keep out of reach of children.
- Ensure the light is securely mounted to prevent it from falling into the aquarium.
- Do not cover the light fixture, as this can lead to overheating.

3. Package Contents

Please check the package for the following items:

- Hygger LED Aquarium Light Fixture
- Adjustable Mounting Brackets
- Power Adapter

- User Manual

4. Specifications

Feature	Specification
Brand	hygger
Model Number	HG957-60W-EU
Wattage	60 W
Light Source	LED (179 sources)
Color Temperature	6500-10000K
Input Voltage	AC 100-240V
Output Voltage	DC 20V
Product Dimensions	39cm (depth) x 11cm (width) x 6.5cm (height)
Product Weight	1.58 Kilograms
Control Method	Touch Control
Special Features	Color Changing, Adjustable Timer, Sunrise/Sunset Simulation
Waterproof	Yes (Light fixture only)
Material	Aluminum (base), Plastic (shade)
Recommended Tank Size	91-106 cm

For detailed energy efficiency information, please refer to the EU Energy Label:

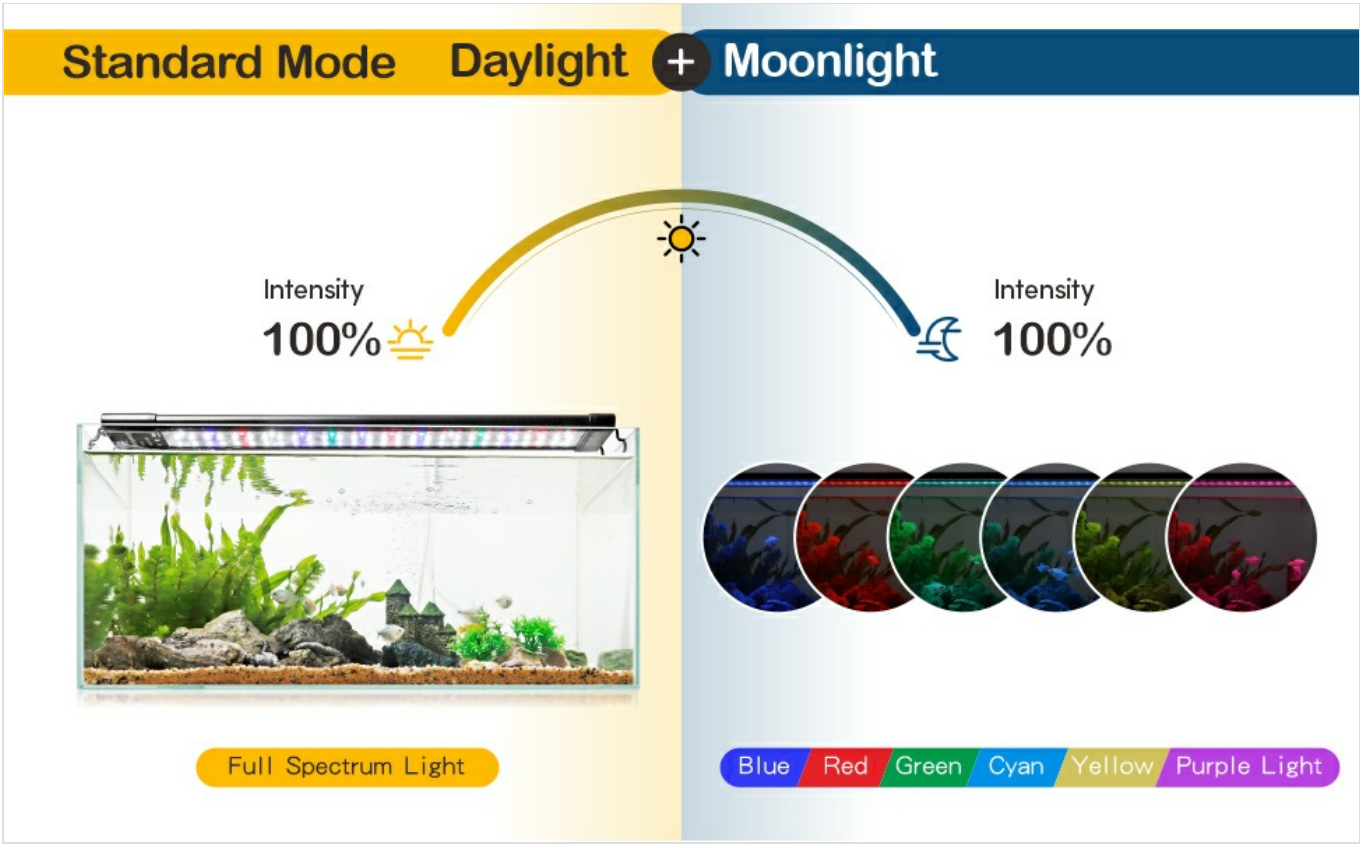


Image: Hygger LED Aquarium Light Energy Label showing efficiency class E and 60 kWh/1000h consumption.

View Product Information on EPREL Database

5. Setup and Installation

1. **Unpack the Light:** Carefully remove all components from the packaging.
2. **Attach Mounting Brackets:** Slide the adjustable mounting brackets onto both ends of the light fixture.
3. **Position on Aquarium:** Place the light fixture on top of your aquarium. Adjust the length of the brackets to fit your tank size (91-106 cm). Ensure the light is stable and centered.
4. **Connect Power:** Connect the power adapter to the light fixture, then plug the adapter into a suitable power outlet. Ensure a drip loop is formed with the power cord to prevent water from running into the outlet.



Image: The Hygger LED Aquarium Light installed on top of an aquarium, showing its sleek design and adjustable brackets.

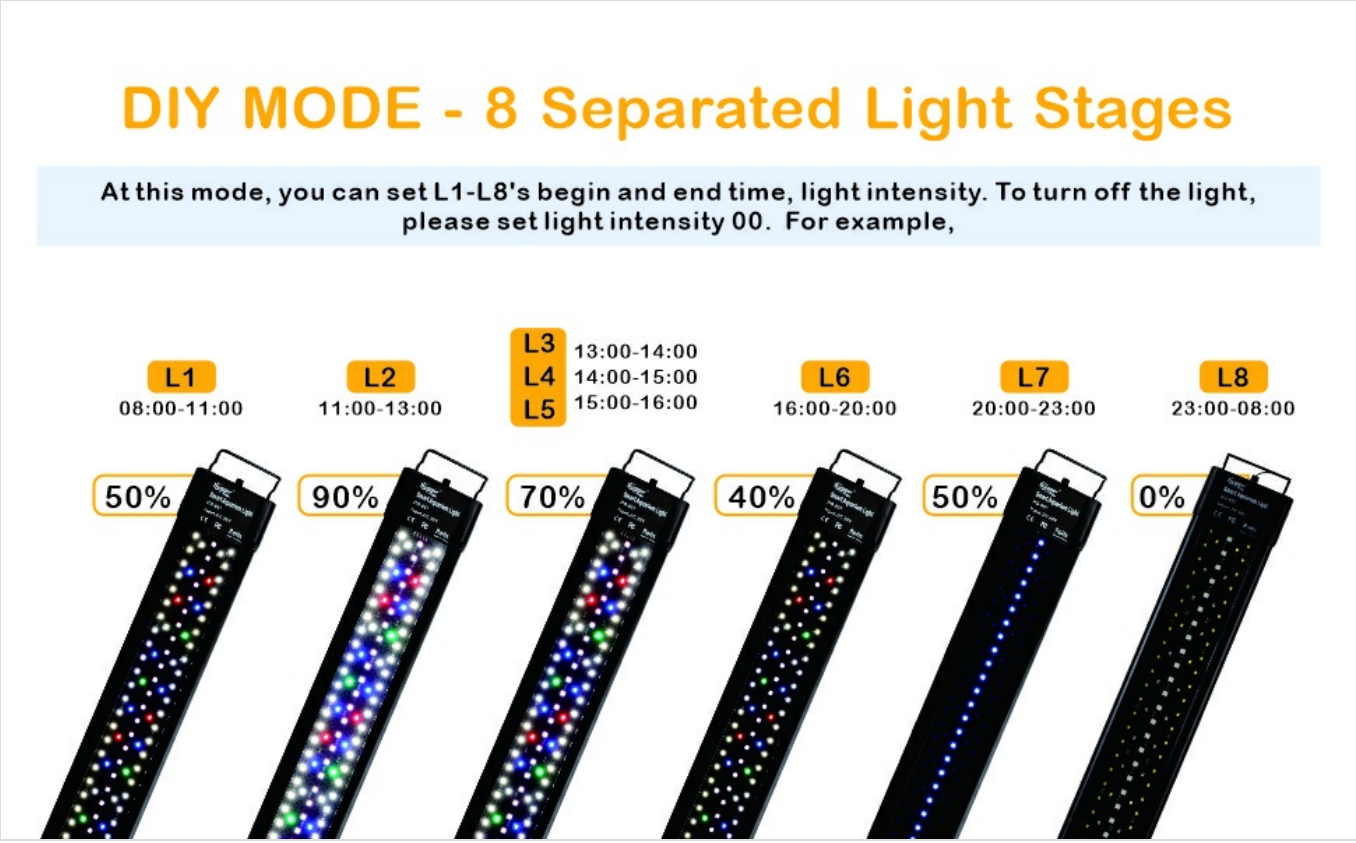


Image: A size chart for the Hygger HG-957 Planted Aquarium Light, illustrating various wattage options and corresponding tank lengths, along with the light's thickness.

6. Operating Instructions

6.1 Control Panel Overview

The light features an integrated LCD control panel for easy programming. Familiarize yourself with the buttons:

- **Set/Save Button:** Long press to enter edit mode for settings.
- **Power/Light Mode Button:** Long press to turn the light on/off. Press once to switch between colors. Press twice for fine-tuning.
- **Increase Button:** Used to increase program time or light intensity.
- **Decrease Button:** Used to decrease program time or light intensity.

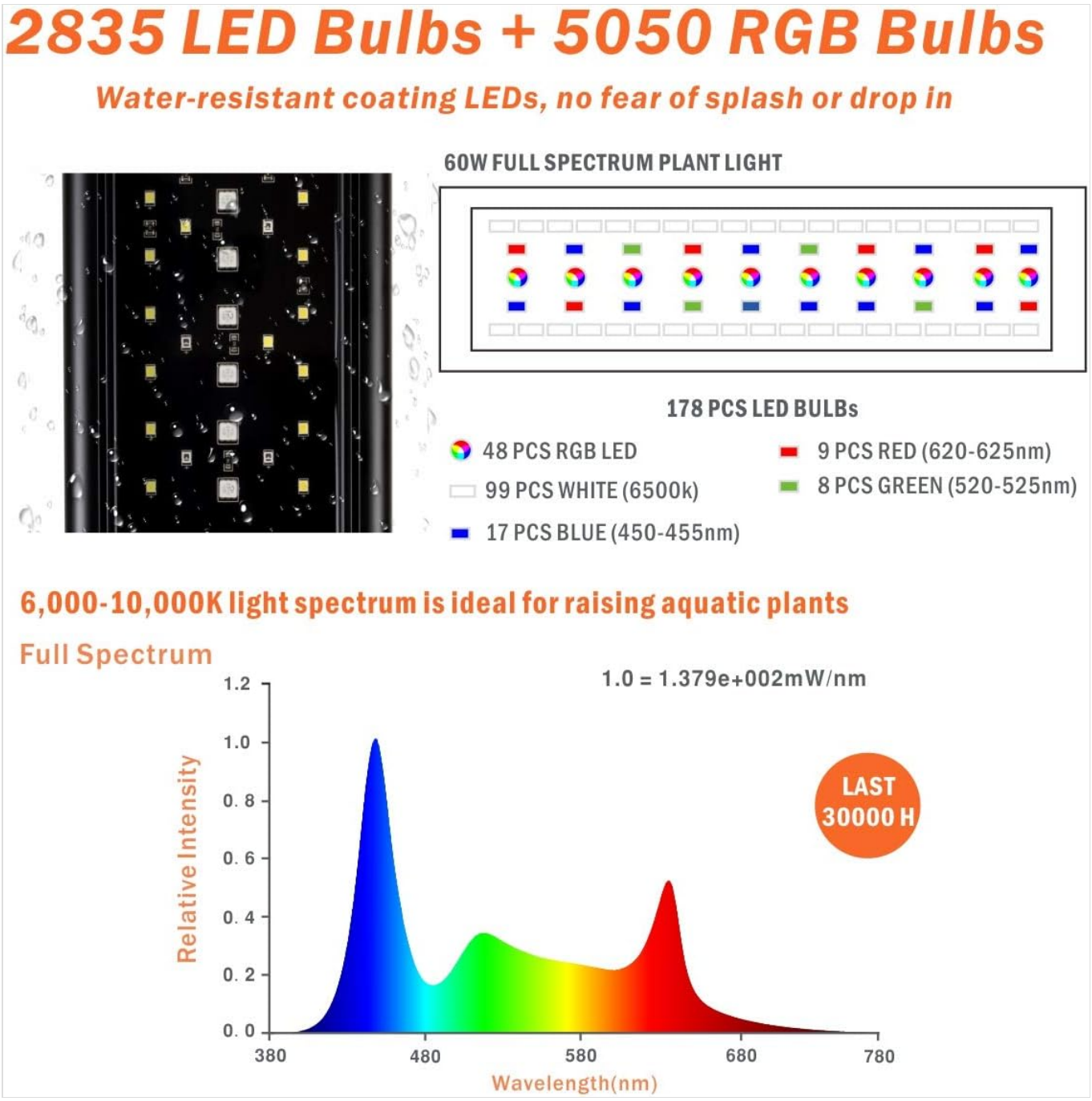


Image: Close-up of the Hygger LED Aquarium Light's integrated LCD control panel, highlighting the 12-hour local time display, daylight mode, moonlight mode, and various control buttons for setting and adjusting light parameters.



Image: A diagram illustrating the various built-in timer functions and display options on the Hygger LED Aquarium Light's control panel, including 12H Daylight & Moonlight Mode, 24H Daylight & Moonlight Mode, DIY program settings (L1-L8), and light intensity programming.

6.2 Daylight Mode (Sunrise & Sunset Simulation)

The Daylight Mode simulates a natural sunrise and sunset cycle, gradually increasing and decreasing light intensity over 15-minute periods to prevent sudden light shock to fish.

- **ON Time:** The light slowly turns on over 15 minutes, reaching full intensity for the daylight period.
- **OFF Time:** The light slowly turns off over 15 minutes, transitioning to darkness.

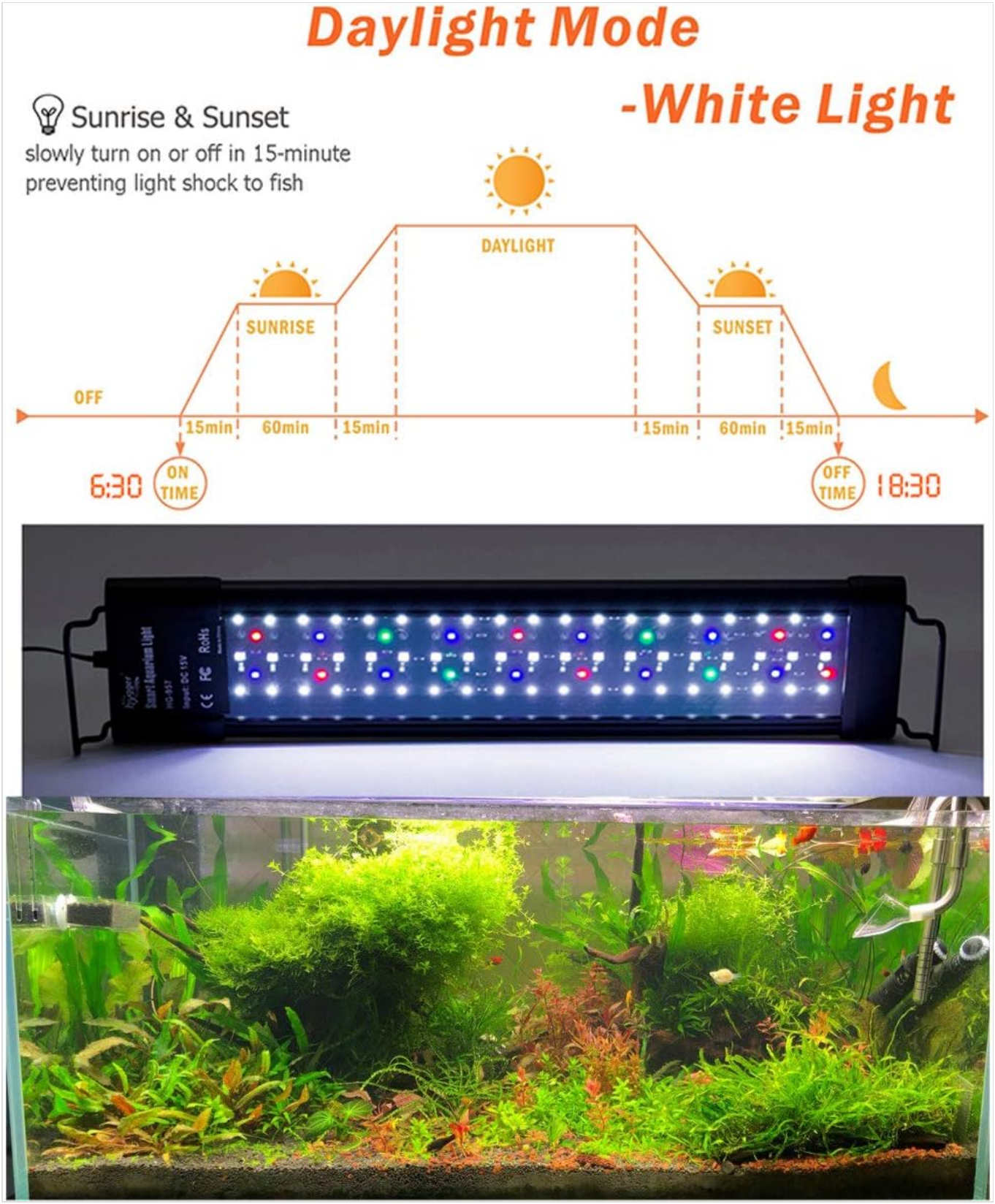


Image: A visual representation of the Hygger LED Aquarium Light's Daylight Mode, showing a gradual sunrise and sunset effect with white light, and an example of the light fixture illuminating an aquarium.

6.3 Moonlight Mode

The Moonlight Mode provides a gentle, single-colored illumination for nighttime viewing. It also features a 15-minute ramp-up and ramp-down period.

- **Preset:** Default blue lighting.
- **Customization:** Can be manually programmed to other single colors (red, green, cyan, yellow, purple).



Image: An illustration of the Hygger LED Aquarium Light's Moonlight Mode, demonstrating the gradual ramp-up and ramp-down of light intensity and showing various single-colored lighting options including blue, red, purple, cyan, green, and yellow.

6.4 DIY Mode

The DIY Mode allows for advanced customization of the lighting schedule with up to 8 separated light stages (L1-L8). For each stage, you can set the start time, end time, and light intensity.

- To turn off the light during a specific stage, set the light intensity to 00.
- Example stages: L1 (08:00-11:00, 50% intensity), L2 (11:00-13:00, 90% intensity), etc.



Image: A visual guide to the Hygger LED Aquarium Light's DIY Mode, showing 8 separated light stages (L1-L8) with customizable start/end times and intensity levels, illustrating how to program a personalized lighting schedule.

6.5 Adjustable Intensity and Colors

The light offers 10 levels of intensity and 7 distinct color options (including white) to suit various aquarium needs and preferences.

- Use the Increase/Decrease buttons to adjust intensity.
- Press the Power/Light Mode button once to cycle through colors.

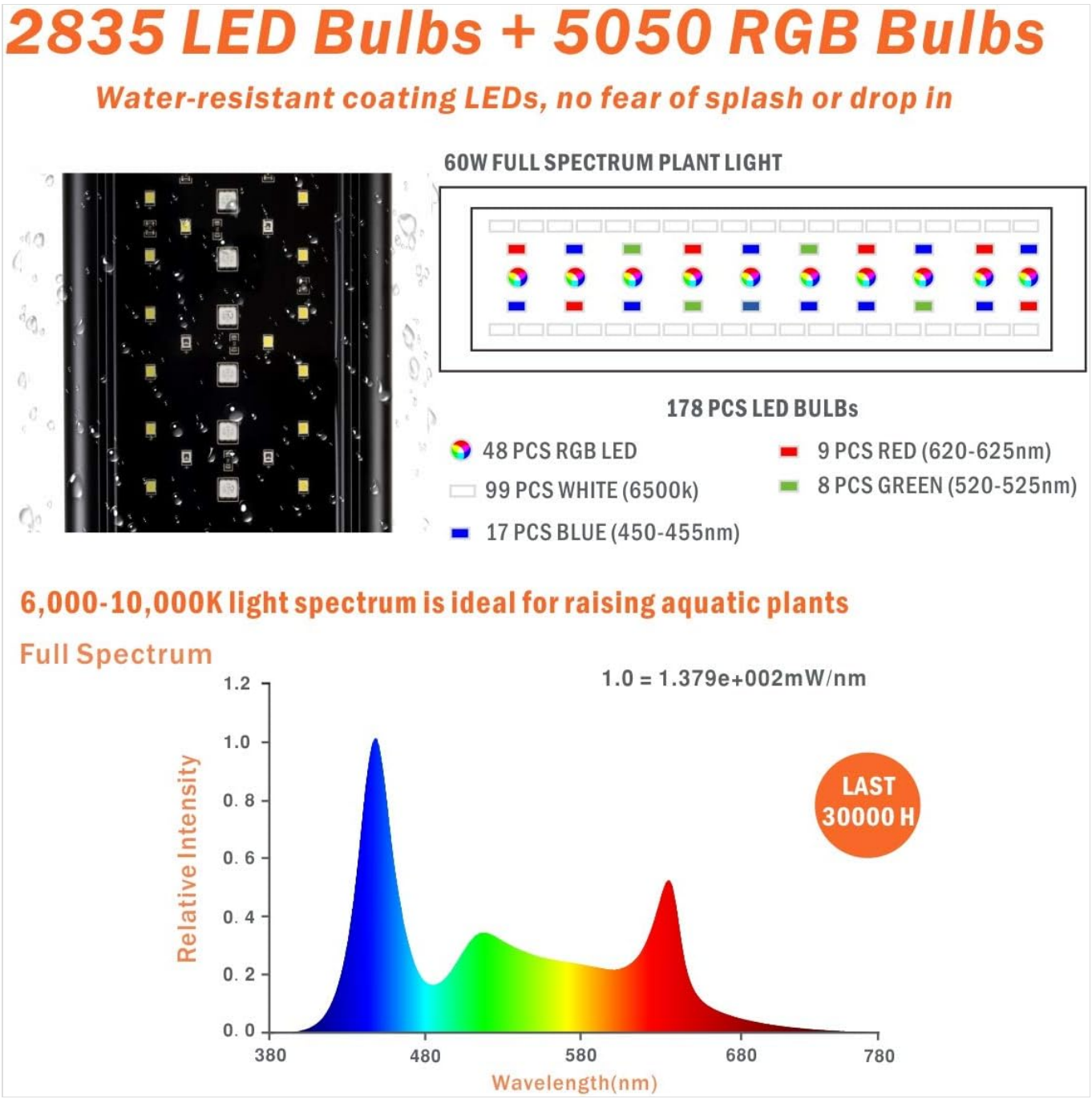


Image: A composite image demonstrating the Hygger LED Aquarium Light's 10 levels of intensity (from 10% to 100% brightness) and 6 single-color plus white lighting options, showcasing the versatility of the light.

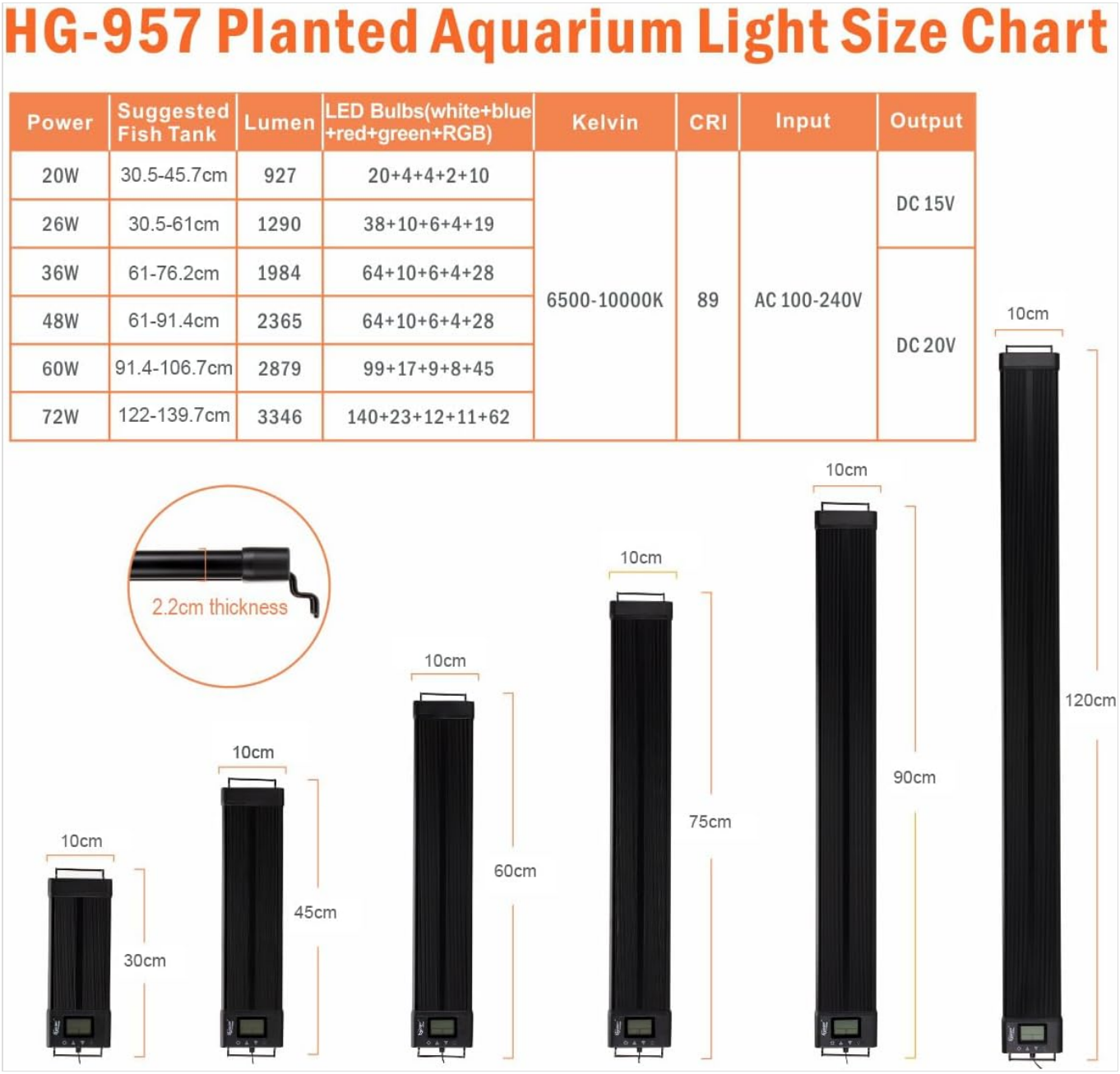
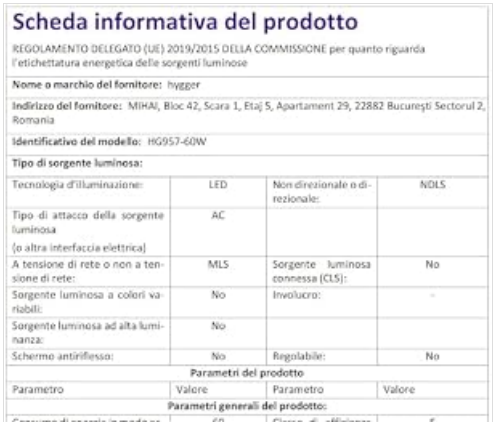


Image: A detailed diagram showing the LED bulb configuration (2835 LED Bulbs + 5050 RGB Bulbs) and the full spectrum light output, indicating the relative intensity across different wavelengths (380-780nm) which is ideal for aquatic plants.

6.6 Memory Function

The light is equipped with a memory function. In case of a power cut, all settings (except the current time) will be retained. When power is restored, the light will resume its programmed cycle. Note that after a power cut, the default operation starts at 12 PM, and it will take another 4 hours for the light to turn on if the previous setting was before 12 PM.



Scheda informativa del prodotto

REGOLAMENTO DELEGATO (UE) 2019/2015 DELLA COMMISSIONE per quanto riguarda l'etichettatura energetica delle sorgenti luminose

Nome o marchio del fornitore: hygger

Indirizzo del fornitore: MIHAI, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 Bucureşti Sectorul 2, Romania

Identificativo del modello: HG957-60W

Tipo di sorgente luminosa:

Tecnologia d'illuminazione:	LED	Non direzionale o direzionale:	NDLS
Tipo di attacco della sorgente luminosa (o altra interfaccia elettrica)	AC		
A tensione di rete o non a tensione di rete:	MLS	Sorgente luminosa connessa (CLS):	No
Sorgente luminosa a colori variabili:	No	Involucro:	-
Sorgente luminosa ad alta luminanza:	No		
Schermo antiriflesso:	No	Regolabile:	No

Parametri del prodotto

Parametro	Valore	Parametro	Valore

Parametri generali del prodotto:

Consumo di energia in modo acceso (kWh/1000 h), arrotondato per eccesso all'intero più vicino	60	Classe di efficienza energetica	E
Flusso luminoso utile (φuse), indicando se si riferisce al flusso in una sfera (360°), in un cono ampio (120°) o in un cono stretto (90°)	6 600 in Cono ampio (120°)	Temperatura di colore correlata, arrotondata ai 100 K più vicini, oppure intervallo di temperature di colore correlate che è possibile impostare, arrotondato ai 100 K più vicini	6 500
Potenza in modo acceso (P_{on}), espressa in W	60,0	Potenza in modo stand-by (P_{so}), espressa in W e arrotondata al secondo decimale	-
Potenza in modo stand-by in rete (P_{net}) per le sorgenti luminose connesse, espressa in W e arrotondata al secondo decimale	-	Indice di resa cromatica arrotondato all'intero più vicino, oppure intervallo di	86

			valori IRC che è possibile impostare	
Dimensioni esterne senza unità di alimentazione separata, parti per il controllo dell'illuminazione e parti senza funzioni di controllo dell'illuminazione, se presenti (mm)	Altezza	900	Distribuzione spettrale di potenza a pieno carico nell'intervallo da 250 nm a 800 nm	Vedi immagine nell'ultima pagina
	Larghezza	100		
	Profondità	22		
Dichiarazione di potenza equivalente[a]		-	Se sì, potenza equivalente (W)	-
			Coordinate cromatiche (x, y)	0,340 0,337
Parametri per sorgenti luminose LED e OLED:				
Valore dell'indice di resa cromatica R9		13	Fattore di sopravvivenza	0,98
Fattore di mantenimento del flusso luminoso		0,90		
Parametri per sorgenti luminose LED e OLED a tensione di rete:				
Fattore di sfasamento (cos φ1)		0,90	Coerenza dei colori in ellissi di MacAdam	4
Dichiarazione che una sorgente luminosa LED può sostituire una sorgente luminosa fluorescente senza alimentatore integrato avente una determinata potenza		[b]	Se sì, dichiarazione di sostituibilità (W)	-
Metrica dello sfarfallio (Pst LM)		0,1	Metrica dell'effetto stroboscopico (SVM)	0,1

[a] '-': non applicabile;
[b] '-': non applicabile;

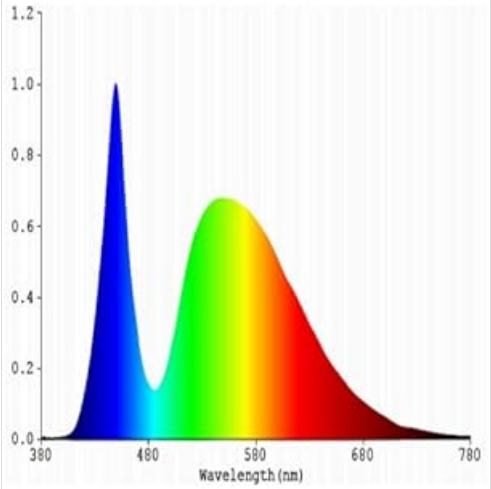


Image: An illustration demonstrating the memory function of the Hygger LED Aquarium Light, showing that settings remain unchanged after a power cut, with the light resuming operation after a 4-hour delay if the power is restored.

7. Maintenance

- **Cleaning:** Regularly wipe the light fixture with a soft, damp cloth to remove dust and water spots. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the power cord and adapter for any signs of damage. If damage is found, discontinue use immediately and contact customer support.
- **LED Longevity:** The LEDs have a long lifespan (rated for 30,000 hours). No user-replaceable bulbs are required.

8. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, damaged adapter.	Check power outlet. Ensure all connections are secure. Inspect power adapter for damage.
Light flickers or dims unexpectedly.	Unstable power supply, faulty connection, internal issue.	Try a different power outlet. Re-secure connections. If problem persists, contact customer support.
Timer settings are incorrect.	Incorrect programming, time not set after power cut.	Re-program the timer settings carefully. Adjust local time if necessary.
Light does not change color.	Incorrect mode, button not pressed correctly.	Ensure you are in the correct mode for color change. Press the Power/Light Mode button once to cycle colors.

9. Warranty and Support

Hygger products are manufactured with quality and reliability in mind. For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official Hygger website. If you encounter any issues not covered in this manual, please contact Hygger customer service for assistance.
Manufacturer: hygger

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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