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› VINGLI 10in LED Swimming Pool Light User Manual

VINGLI 50ft

VINGLI 10in LED Swimming Pool Light User Manual

Model: 50ft

1. PRODUCT OVERVIEW

The VINGLI 10-inch LED Swimming Pool Light is designed for inground pools, offering vibrant RGBW multicolor illumination and versatile control options. Its robust IP68 waterproof design ensures durability and safe operation in aquatic environments. This manual provides detailed instructions for installation, operation, and maintenance.



Figure 1.1: VINGLI 10-inch LED Swimming Pool Light and included accessories, including the light unit, 50ft power cord, power adapter, control box, remote control, and a smartphone displaying the control app.

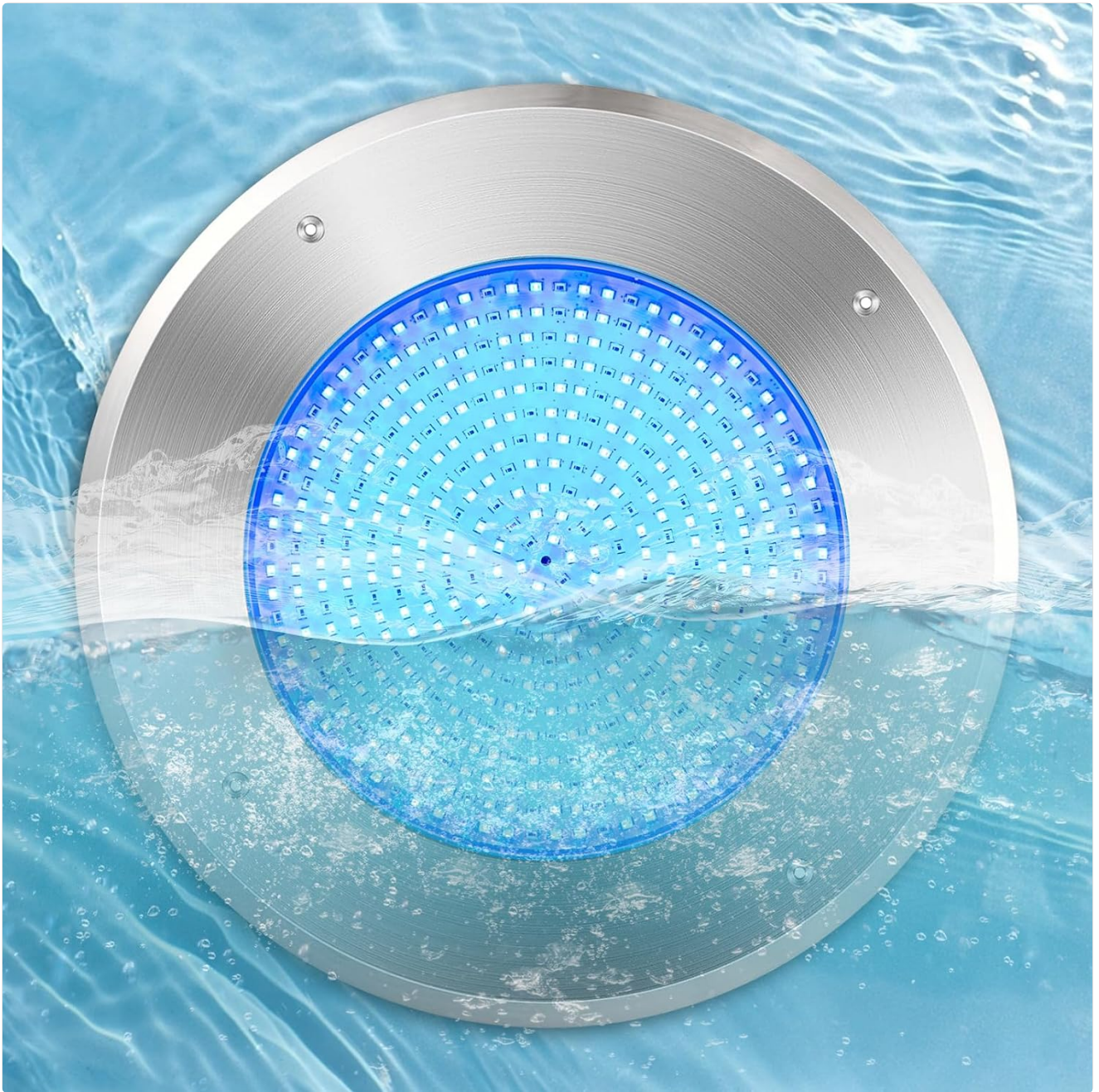


Figure 1.2: The VINGLI pool light operating while fully submerged, demonstrating its underwater functionality.



IP68 Waterproof Level



Figure 1.3: Illustration of the light's IP68 waterproof rating, ensuring protection against water immersion.

Key Features:

- **Multicolor Illumination:** 54W RGBW LED light with various color modes (flashing, jumping, single color) and music sync capability.
- **Versatile Control:** Control via user-friendly mobile APP, manual control box, or remote control (up to 50 FT range).
- **IP68 Waterproof:** Integrated sealing design prevents leakage and corrosion, ensuring high durability and low maintenance.
- **Easy & Safe Installation:** Plug-and-play design with a power transformer converting 120V AC to safe 12V DC for underwater use.
- **Wide Application:** Suitable for standard 10-inch wet niches, ideal for hotel pools, fountains, ponds, aquariums, and other indoor/outdoor ambient lighting needs.

2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, please contact customer support.

- 1 x VINGLI 10in LED Swimming Pool Light
- 1 x 50 FT Power Cord (attached to light)
- 1 x Power Adapter (AC to DC 12V LED Driver)
- 1 x LED Control Box
- 1 x Remote Control
- Installation Hardware (screws, etc.)
- User Manual (this document)

3. SAFETY INFORMATION

WARNING: To avoid electric shock, ensure power is OFF before installation or maintenance. Installation should be performed by a qualified professional if you are unsure.

- Always disconnect power before installing or servicing the light.
- Ensure all connections are secure and waterproof.
- Do not modify the product in any way.
- Keep children away from the installation area.
- The light is designed for 120V AC input, which is converted to 12V DC for safe underwater operation.
- Ensure the light is fully submerged when operating to prevent overheating.

4. SETUP AND INSTALLATION

4.1 Pre-Installation Checks

- Confirm the pool niche is a standard 10-inch size.
- Ensure the power supply is compatible with 120V AC.
- Gather necessary tools: screwdriver, wire strippers, waterproof sealant (if needed).

4.2 Connection Diagram

The system connects as follows: AC 90~220V power source -> AC to DC 12V LED Driver -> LED Control Box -> Pool Light.

Hassle-free Connection

Operate on your own without the need for an electrician

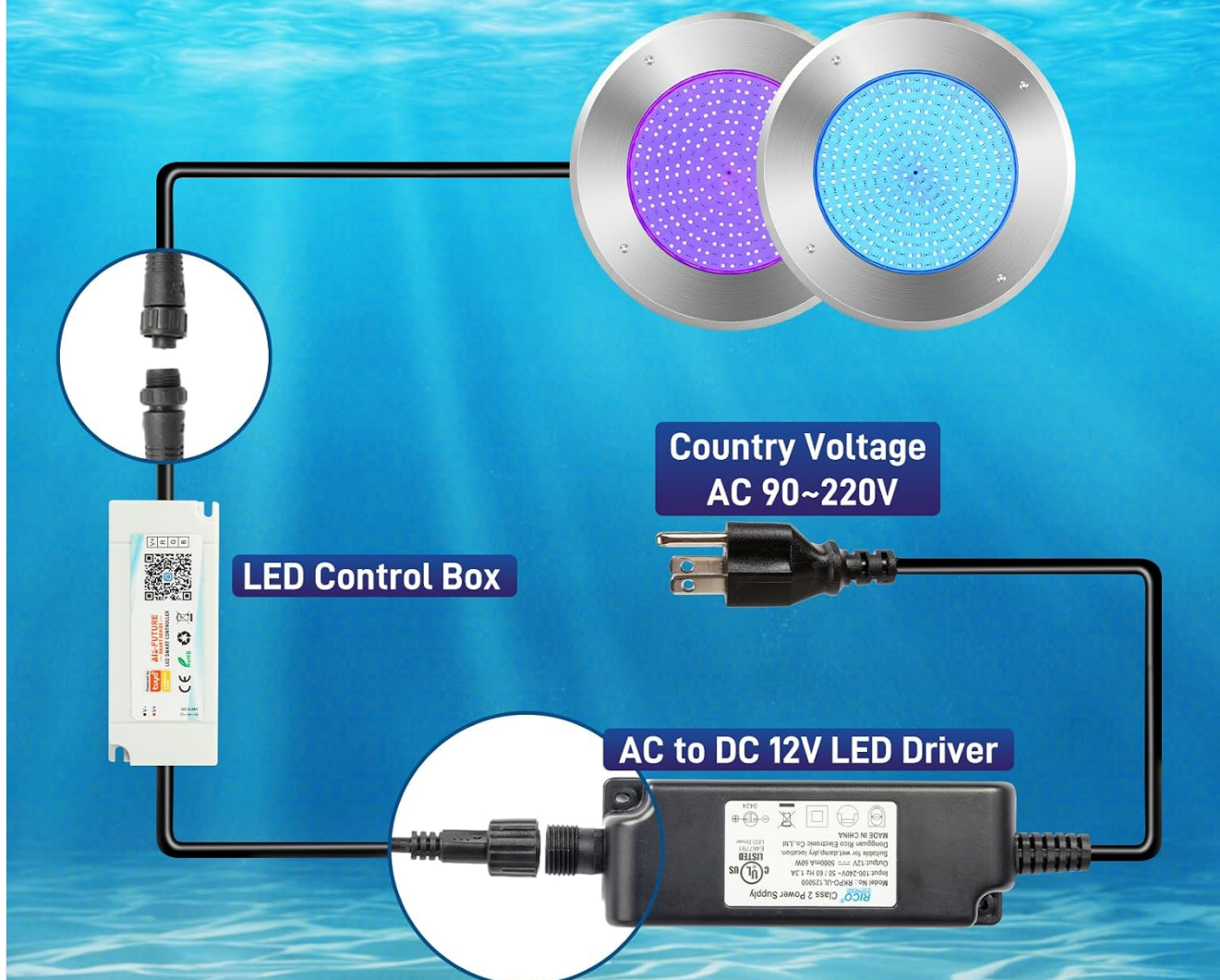


Figure 4.1: Connection diagram for the VINGLI pool light system, illustrating the flow from the AC power source to the LED driver, then to the LED control box, and finally to the pool light.

4.3 Installation Steps

The VINGLI pool light is designed for easy installation in standard 10-inch wet niches or for wall mounting.

Perfect Fit for Large/Standard 10" Niche

12 o'Clock Pilot Screw

6 o'Clock Snap Fit



Figure 4.2: Detail of the pool light's back, highlighting the 12 o'clock pilot screw and 6 o'clock snap fit for secure installation in a 10-inch niche.

Suitable for Wall and Niche

Can be seamlessly installed in any type of pool

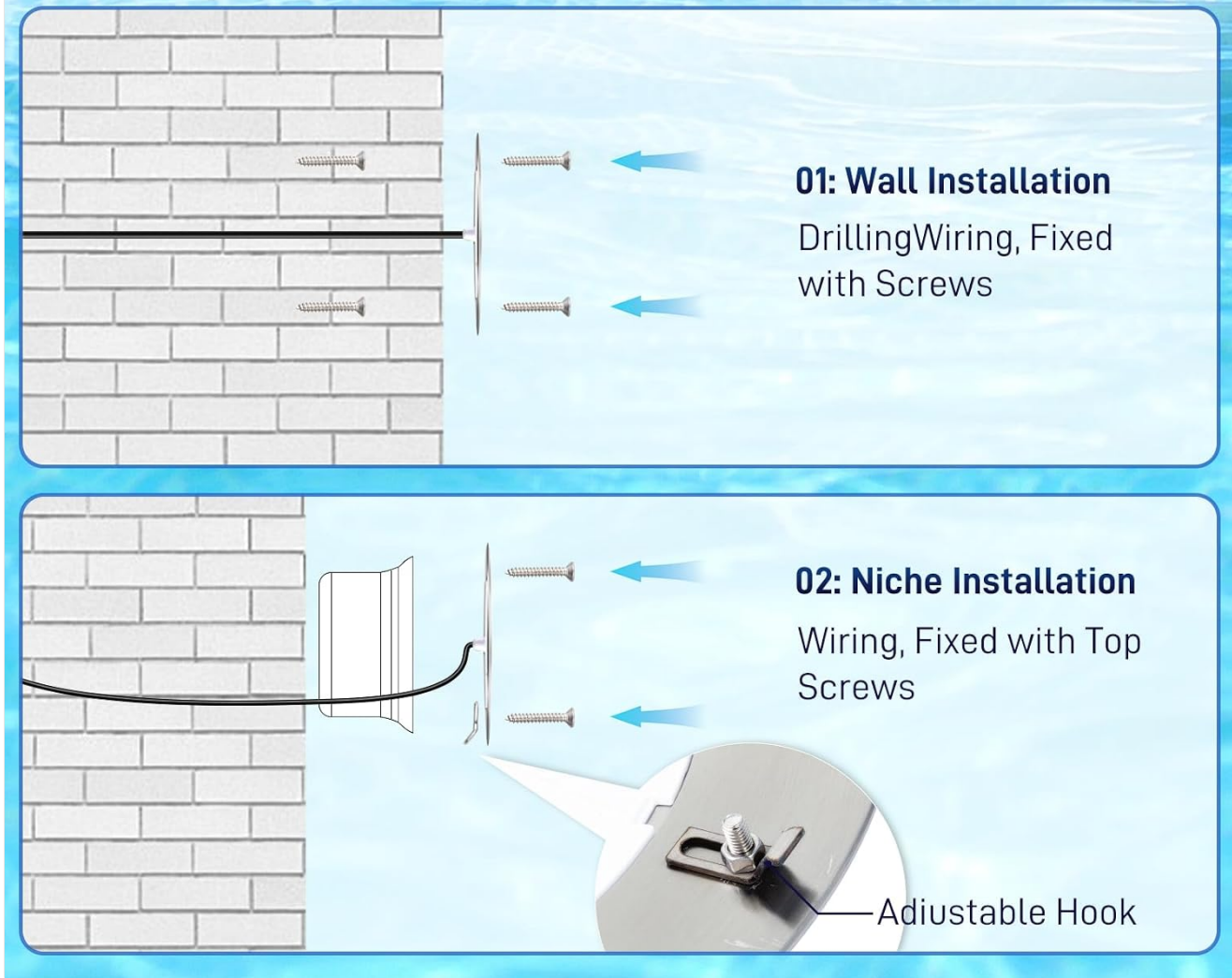


Figure 4.3: Visual guide for two installation methods: Wall Installation (drilling, wiring, fixed with screws) and Niche Installation (wiring, fixed with top screws, utilizing an adjustable hook).

1. **Prepare the Niche/Wall:** Ensure the installation area is clean and free of debris. For niche installation, confirm it's a standard 10-inch wet niche. For wall installation, mark drilling points.
2. **Wire Connection:** Connect the pool light's cord to the LED Control Box, ensuring a secure and waterproof connection. Then connect the LED Control Box to the 12V DC output of the LED Driver. Finally, connect the LED Driver to the 120V AC power source.
3. **Mount the Light:**
 - **For Niche Installation:** Align the light with the 10-inch niche. Secure the light using the 12 o'clock pilot screw and the 6 o'clock snap fit mechanism. Ensure the adjustable hook is properly engaged.
 - **For Wall Installation:** Drill holes according to the light's mounting points. Secure the light to the wall using appropriate screws.
4. **Test Functionality:** Once installed and submerged, turn on the power and test the light's functions using the remote, app, or manual controller.

5. OPERATING INSTRUCTIONS

The VINGLI pool light offers three convenient control methods: Mobile APP, Remote Control, and Manual Control Box.

5.1 Mobile APP Control

The light can be controlled via a user-friendly mobile application. This app offers extensive features including color selection, dynamic modes, brightness adjustments, and music synchronization.



Figure 5.1: Screenshot of the mobile application interface, demonstrating Bluetooth APP connectivity, music mode, and timer scheduling capabilities for the pool light.



Figure 5.2: Visual comparison between using the physical remote control and the mobile application for controlling the pool light, highlighting the convenience of both methods.

1. **Download the APP:** Scan the QR code on the LED Control Box or search for "Smart Life" or similar smart home app (e.g., Tuya Smart) in your device's app store. [Download Smart Life App](#)
2. **Pairing:** Follow the in-app instructions to pair your device with the pool light. Ensure Bluetooth is enabled on your smartphone.
3. **Control Features:**
 - **Color Selection:** Choose from over 16 million colors.
 - **Dynamic Modes:** Select from 20 dynamic modes (e.g., flashing, jumping, gradient, static).
 - **Brightness Adjustment:** Adjust light intensity.
 - **Music Sync:** Synchronize light effects with music.
 - **Timer Schedule:** Set schedules for automatic turn on/off (e.g., 18:00 PM Turn On, 6:00 AM Turn Off).

5.2 Remote Control

The included remote control provides convenient wireless operation up to 50 feet.

- **Power Button:** Turn the light ON/OFF.
- **Color Buttons:** Select specific colors.
- **Mode Buttons:** Cycle through dynamic lighting modes.
- **Brightness Buttons:** Adjust light intensity.
- Refer to the remote control's specific button layout for detailed functions.

5.3 Manual Control Box

The LED Control Box also features manual buttons for basic control.

- Typically includes buttons for power, color change, and mode selection.
- Consult the control box itself for button labels and functions.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VINGLI pool light.

- **Cleaning:** Periodically clean the light's surface to remove algae, mineral deposits, or debris. Use a soft cloth and mild cleaning solution. Do not use abrasive cleaners.
- **Inspection:** Regularly inspect the power cord and connections for any signs of wear, damage, or corrosion. Ensure all seals remain intact to maintain IP68 waterproof rating.
- **Submersion:** Always ensure the light is fully submerged when in operation to prevent overheating.
- **Storage:** If removing the light for extended periods, clean it thoroughly, dry it, and store it in a cool, dry place away from direct sunlight.

7. TROUBLESHOOTING

If you encounter issues with your VINGLI pool light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Loose connection; Faulty power adapter/control box.	Check power outlet and circuit breaker. Ensure all cables are securely connected. Test power adapter/control box if possible.
Remote control not working.	Remote battery low/dead; Obstruction between remote and light; Remote not paired.	Replace remote battery. Ensure clear line of sight. Re-pair remote if applicable (refer to remote instructions).
APP control not connecting.	Bluetooth off; App not paired; Interference.	Ensure Bluetooth is enabled on your device. Re-pair the device in the app. Move closer to the control box.
Light colors are incorrect or flickering.	Loose connection; Control box malfunction.	Check all wiring connections. Restart the system by unplugging and re-plugging the power.
Water inside the light.	Seal failure; Improper installation.	Immediately disconnect power. This indicates a critical failure. Contact customer support for assistance. Do not attempt to use the light.

If the problem persists after trying these steps, please contact VINGLI customer support.

8. SPECIFICATIONS

Attribute	Detail
Brand	VINGLI
Model	50ft
Product Dimensions	10"L x 10"W x 0.1"H
Item Weight	7.3 pounds
Light Source Type	LED
Wattage	54W
Voltage	120 Volts (AC input), 12V (DC output to light)
Light Color	RGBW Multicolor
Control Method	APP, Remote, Manual Controller
Remote Control Distance	Up to 50 FT
Water Resistance Level	IP68 Waterproof
Material	Metal
Cord Length	50 FT
Installation Type	Surface Mount / Niche Mount (for 10-inch standard wet niches)
Indoor/Outdoor Usage	Outdoor

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the VINGLI official website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

VINGLI Customer Support:

- Website: [VINGLI Store on Amazon](#) (for general inquiries)
- For specific product support, please refer to the contact information provided with your product packaging or on the manufacturer's official website.