

Generic JLUW30W100, CPLVLEDS30

Zodiac Nicheless LED Underwater Light User Manual

Model: JLUW30W100, CPLVLEDS30

1. PRODUCT OVERVIEW

The Zodiac Pro Series White Light is an energy-efficient LED underwater light designed to illuminate your pool or spa. It features a compact 2-inch lens that is barely visible during the day, allowing for more even lighting without creating bright spots or dim areas. This light is engineered for easy installation and reliable performance.

Key Features:

- 12 Volt, 30 Watt LED light
- 100 Foot Cord for flexible installation
- White-only illumination for clear, bright light
- Wider beam spread brightens the hard-to-reach corner
- Redundant seal for improved leak prevention
- Easy installation into any 1-1/2" threaded wall fitting
- Does not require bonding
- Can be controlled by a single light switch or integrated with Zodiac Smart Color Control systems.



Figure 1: Zodiac Nicheless LED Underwater Light. This image shows the cylindrical light fixture with its integrated cord and the small, multi-LED lens at one end.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions could result in serious injury or property damage.

- **Electrical Safety:** Always disconnect power at the circuit breaker before attempting any installation, maintenance, or repair. This product operates on 12V, but proper electrical connections are crucial.
- **Professional Installation:** Installation should be performed by a qualified electrician or pool professional in accordance with all local and national electrical codes.
- **Water Immersion:** This light is designed for underwater use only. Ensure all seals are intact and connections are watertight before submerging.
- **Cable Integrity:** Do not cut, splice, or damage the power cord. Any damage to the cord can compromise the waterproof seal and create a safety hazard.
- **Children and Pets:** Keep children and pets away from the installation area.

3. SETUP AND INSTALLATION

The Zodiac Nicheless LED Underwater Light is designed for straightforward installation into standard pool fittings.

Tools and Materials Required:

- Thread sealant tape (Teflon tape)
- Adjustable wrench (if needed for tightening)
- Appropriate electrical wiring and transformer (12V AC)

Installation Steps:

1. **Prepare the Niche:** Ensure the 1-1/2" threaded wall fitting in your pool or spa is clean and free of debris.
2. **Apply Sealant:** Apply thread sealant tape (e.g., Teflon tape) to the threads of the light fixture to ensure a watertight seal.
3. **Screw into Fitting:** Carefully screw the Zodiac Nicheless LED light into the 1-1/2" threaded wall fitting. Hand-tighten first, then use an adjustable wrench if necessary, ensuring not to overtighten.
4. **Route the Cord:** Route the 100-foot power cord through the conduit to the transformer location. Ensure the cord is not kinked or damaged during routing.
5. **Electrical Connection:** Connect the light's power cord to a compatible 12V AC transformer. Follow the transformer's instructions for proper wiring. Ensure all electrical connections are secure and protected from moisture.
6. **Test Operation:** Once installed and wired, turn on the power to the circuit and test the light's operation.

Note: This light does not require bonding, simplifying the installation process. The redundant seal design minimizes potential leak paths.

4. OPERATING INSTRUCTIONS

The Zodiac Nicheless LED Underwater Light is designed for simple operation.

Basic Operation:

- **On/Off Control:** The light can be turned on and off using a standard light switch connected to its power supply.
- **System Integration:** For advanced control, this light seamlessly interfaces with the Zodiac Smart Color Control system. Refer to your Zodiac Smart Color Control system's manual for detailed instructions on integrating and controlling the light.

5. MAINTENANCE

The Zodiac Nicheless LED Underwater Light requires minimal maintenance to ensure long-lasting performance.

- **Regular Inspection:** Periodically inspect the light fixture and its cord for any signs of damage, wear, or leaks. Address any issues promptly.
- **Cleaning:** If the lens becomes dirty or covered with algae, gently clean it with a soft brush or cloth. Do not use abrasive cleaners or harsh chemicals that could damage the lens or seals.
- **Winterization:** If you winterize your pool, follow standard pool winterization procedures. Ensure the light remains submerged or is removed and stored according to local guidelines if the water level is lowered below the light.
- **No User Serviceable Parts:** The LED light assembly contains no user-serviceable parts. Do not attempt to open or repair the light fixture. Contact a qualified professional for service if needed.

6. TROUBLESHOOTING

If you encounter issues with your Zodiac Nicheless LED Underwater Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the circuit. Loose electrical connection. Faulty transformer. Damaged light fixture.	Check circuit breaker. Verify all electrical connections are secure (ensure power is off first). Test transformer output. Contact a qualified professional for inspection and replacement if necessary.

Problem	Possible Cause	Solution
Light is dim or flickers.	Insufficient power supply. Voltage drop due to long cable run. Faulty light fixture.	Ensure transformer is adequately sized. Verify proper wire gauge for cable length. Contact a qualified professional.
Water inside the light fixture.	Improper installation/seal. Damaged fixture or cord.	Immediately disconnect power. The light is likely compromised and needs replacement. Contact a professional.

If the problem persists after attempting these steps, contact a qualified pool professional or the manufacturer for assistance.

7. SPECIFICATIONS

- **Model Name:** WaterColors
- **Item Model Number:** CPLVLEDS30 (also JLUW30W100)
- **Brand:** Generic (Manufactured by Jandy Zodiac)
- **Light Type:** LED
- **Color:** White-Only
- **Voltage:** 12 Volt
- **Wattage:** 30 Watt
- **Cord Length:** 100 Feet
- **Lens Size:** 2 inches
- **Mounting Type:** Wall Mount (1-1/2" threaded fitting)
- **Power Source:** dc
- **Special Feature:** Energy Efficient
- **Item Weight:** 8.5 pounds
- **Country of Origin:** USA

8. WARRANTY AND SUPPORT

For warranty information and technical support, please contact the manufacturer, Jandy Zodiac, or the authorized seller from whom you purchased this product.

Keep your proof of purchase for any warranty claims.

Seller: Legacy Parts & Hardware

Return Policy: 30-day refund/replacement policy from the seller.

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