

# PureWhite™ 2 Pool Lamp Installation and Operation Guide

## PUREWHITE REPLACEMENT LED IN-GROUND POOL LAMPS

Model #: LPL-P2-WHT-12, LPL-P2-WHT-120, LPL-P2-WHT-12-SQ, LPL-P2-WHT-120-SQ

PureWhite Replacement LED In-Ground Pool lamps offer superior, bright white illumination for your pool. This owner's manual contains important information on installing and using your new PureWhite Replacement LED In-Ground Pool Lamp. Please read it carefully and keep it in a safe place for future reference.

**WARNING!** This device is not intended for use with emergency exit fixtures or emergency exit lights.

**WARNING!** Permanent damage to the low voltage 14VAC lamp will occur if installed on a 120VAC circuit.

PureWhite Replacement LED In-Ground Pool lamps are available in 14VAC (low voltage) and 120VAC models as indicated on the product packaging. Each lamp has a screw-in Edison base.

**WARNING!** Remove warning label from PureWhite lens before installation.

The warning label is placed on top of a special optical diffuser designed to maximize the light projection of the PureWhite lamp. When you remove the label, a protective film will come off with it. Once the warning label and protective film have been removed, do not allow the diffuser decal underneath to be scratched.

**ATTENTION 14V PUREWHITE OWNERS!**

A socket voltage range of 13.5 — 15.0 will achieve optimal brightness. To verify the voltage, at the lamp socket, measure the open circuit voltage (no lamp in the socket). Set the transformer tap to 14.0VAC.

**DANGER!**  
Risk of electrical shock or electrocution

Always disconnect power to the pool light at the circuit breaker panel before attempting to service the lamp. Failure to do so could result in serious injury or death due to electrical shock. Refer to the original manufacturer's pool light installation manual before proceeding. As with any electrical device, installation and service should always be performed by a qualified individual. This device is not intended for use in anything other than in-ground pools.

### Rated Lamp Life

The illumination generated by the PureWhite Replacement LED In-Ground Pool lamp is based on Light Emitting Diode (LED) technology. The average expected lamp life is rated up to 50,000 elapsed time hours under normal operating conditions. [Temperature: 33°F to 95°F (1°C to 35°C), Humidity: 0-95% non-condensing].

### Safety Precautions

- Do not open, service or tamper with any internal component of the PureWhite Replacement LED In-Ground Pool lamp. Doing so will void the warranty. Follow each instruction in this owner's manual and pay careful attention to all warnings.
- Do not directly expose or immerse the PureWhite Replacement LED In-Ground Pool lamp in water without containing it in a proper, watertight, NRTL (nationally recognized testing laboratory) pool light housing and niche assembly.
- Keep the pool light housing dry.
- Handle the PureWhite Replacement LED In-Ground Pool lamp with care. Be careful not to drop the unit.

### IMPORTANT NOTE:

PureWhite lamps are recommended for installation by a qualified pool professional.

### Installation

The installation steps in this owner's manual are intended as guidelines. For specific instructions on how to replace a pool lamp, please refer to the original manufacturer's pool light installation manual before proceeding.

### Light housing compatibility

LPL-P2-WHT-12, LPL-P2-WHT-120, LPL-P2-WHT-12-SQ, LPL-P2-WHT-120-SQ

PureWhite Replacement LED In-Ground Pool lamps must be installed in a compatible NRTL pool light housing.

Compatible NRTL light housings include:

Hayward® Astrolite™ SP058 Series

Pentair® Amerlite 784 Series

Jacuzzi® Full Moon™

Sta-Rite® SwimQuip™ Series 0508

### Gasket compatibility

Hayward® Astrolite™ SP058 Series Housing -

Use replacement gasket specified by manufacturer.

Pentair® Amerlite 784 Series - Requires installation of J&J Gasket #LPL-G-P. Included with LPL-P2-WHT-12 and LPL-P2-WHT-120.

Jacuzzi® Full Moon™ - Use replacement gasket specified by manufacturer.

Sta-Rite® SwimQuip™ Series 0508 - Requires installation of J&J Gasket #LPL-G-S. Included with LPL-P2-WHT-12-SQ and LPL-P2-WHT-120-SQ.

The product warranty is voided if the proper gasket is not installed. See the "Warranty" section at the end of this manual for details.

**WARNING!**  
Read this before attempting installation

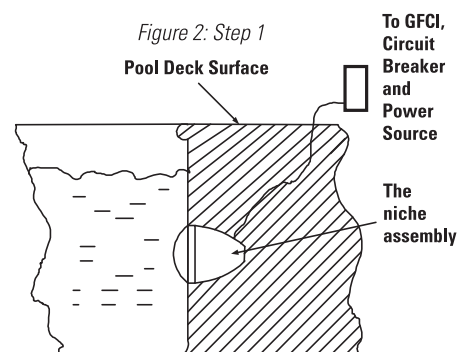
Your PureWhite lamp is not an ordinary light bulb. It is a valuable electronic device that is not designed to come in direct contact with water. An improper installation that results in water leakage into the pool light housing can permanently damage the PureWhite lamp. Please read these installation steps and the original manufacturer's pool light installation manual carefully before proceeding.

### STEP 1

#### Remove light housing from niche

Make sure power to the pool light is turned off at the circuit breaker. Carefully remove the existing light housing from the niche assembly and place it on the pool deck. There should be enough power cord to do this easily. If there is not enough power cord to allow the light housing to reach the pool deck surface, call your local pool service company.

Figure 2: Step 1



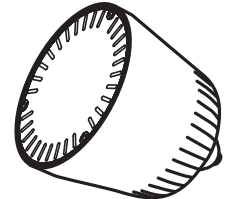
**WARNING!** Verify that your PureWhite lamp voltage rating (120VAC or 14VAC) matches your electrical system's voltage requirements before proceeding with installation.

### STEP 2

#### Remove old lamp

Access the old lamp according to the original manufacturer's pool light installation manual. Remove the screws and/or loosen the clamp that holds the face plate and lens in place. Carefully remove the lens from the pool light housing. Take care not to damage the surface of the light housing body that makes contact with the rubber gasket.

Figure 1: LPL-P2-WHT



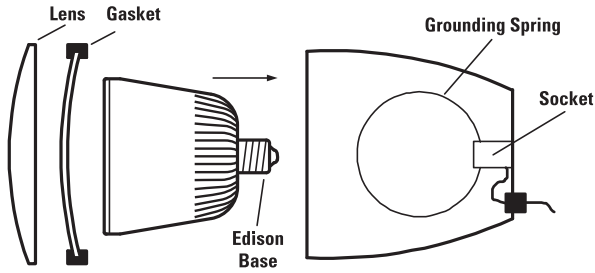
Pool Light

### STEP 3

#### Inspect your light housing for signs of wear

Inspect the rubber grommet where the power cord enters the light for excessive deterioration. Inspect the light housing, the tensioning clamp, and face ring for warping, dents and excessive rust. Do not install PureWhite into a pool light housing that appears to be worn out from prolonged exposure to pool water or mishandling.

Figure 3: Steps 2-4



### STEP 4

#### Dry the light housing and lens

Make sure the inside of the light housing and glass lens are completely dry by wiping them down with a clean rag.

### STEP 5

#### Install PureWhite lamp

Remove the old lamp and discard. Carefully screw the PureWhite lamp into the socket.

### STEP 6

#### Reassemble the light housing

Proceed by cleaning any gasket residue from the light housing body. A clean surface is necessary for the new gasket to seat properly and prevent leakage. Install the new gasket onto the glass lens.



**WARNING! Always use a new lens gasket whenever reassembling your pool light housing.**

Failure to install a new lens gasket could result in water leakage which can permanently damage the PureWhite lamp and cause serious injury or death due to electrical shock.

The product warranty is voided if the proper gasket is not installed. See the "Gasket

compatibility" section at the beginning of this manual for details.

Set the lens and faceplate in the light housing and re-assemble according to the light housing manufacturer's specification. Tighten the screws or clamp slightly, allowing the gasket to seal evenly.

### STEP 7

#### Submerge assembled light into the water

Once the screws or clamp are tight, submerge the assembled light housing in the water and visually check that air bubbles are not escaping from the gasket area. Should bubbles appear, immediately remove the light housing from the water and reset the gasket and lens.

Once you are satisfied that there are no air leaks, complete the installation by wrapping the cord around the light housing and re-attaching the light housing to the niche assembly.

### STEP 8

#### Check for air bubbles when light is turned ON

Reconnect power to the pool light by resetting the circuit breaker to the "ON" position. Go back to the light location and check for **air bubbles** rising to the surface from the pool light housing for at least **10 minutes**. It is important that the lamp is turned on during this time.

If you do not see air bubbles rising to the surface at anytime during the 10-minute inspection process, the housing is holding its water tight seal and the installation is complete. You are now ready to enjoy your new PureWhite Replacement LED In-Ground Pool lamp. If you do see air bubbles rising to the surface at anytime during the inspection process, immediately remove the PureWhite lamp from the housing, dry it completely and reset the gasket and lens. Make sure that the PureWhite lamp and light housing are completely dry before reassembling.

If the pool light housing continually leaks water after 2 or more attempts at installation, replacement of the pool light housing may be necessary.

Please read the J&J Electronics "PureWhite Quick Start Guide" for further installation advice.

**Note on Figures 1-3:** All figures are provided for illustration purposes only. Refer to the original pool light manufacturer's installation manual for further reference.

## Operation

**For LPL-P2-WHT-12, LPL-P2-WHT-120, LPL-P2-WHT-12-SQ, LPL-P2-WHT-120-SQ PureWhite Replacement LED In-Ground Pool Lamps**

Use the pool's current light switch to turn "ON" and "OFF" your new PureWhite lamp.

### J&J ELECTRONICS, INC. 3-YEAR LIMITED WARRANTY

**For LPL-P2-WHT-12, LPL-P2-WHT-120, LPL-P2-WHT-12-SQ, LPL-P2-WHT-120-SQ**

J&J Electronics, Inc. ("J&J") warrants the above-referenced model numbers of PureWhite LED In-ground Pool Lamp (the "Product") to be free from defects in material and workmanship, under normal use, conditions and service, for a period of three (3) years from the original date of purchase, subject to the terms specified herein. If during the first twenty-four (24) months of the warranty period, the Product fails to operate due to a defect in material or workmanship, J&J will, at its option, repair or replace the Product at no charge. If during months twenty-five (25) through thirty-six (36), the Product fails to operate due to a defect in material or workmanship, J&J will grant the purchaser a pro-rated credit<sup>1</sup> for purchase of a J&J replacement part, as the purchaser's sole remedy. Pro-rated credit is calculated as follows:

$$\frac{\text{Product Price (\$)}^2 \times \text{Unexpired warranty period (months)}}{\text{Total Warranty Period (months)}}$$

<sup>1</sup> Credit is only redeemable by the purchaser through J&J and will be applied against the current MSRP of the product purchased.

<sup>2</sup> Product Price is the price at which the product was purchased as stated on the purchaser's invoice and may not exceed the MSRP for the product at the time of the purchase.

#### TERMS AND CONDITIONS

This warranty is available to the original purchaser of the product(s) only. This warranty applies only when products are properly installed in an in-ground pool; any other use voids the warranty. Products must be used in lighting equipment designed and approved for the application and in environmental conditions within the normal specified operating range. This warranty does not apply to any abnormal use of product(s), use in violation of any applicable standard, code or instructions for use in installations including those contained in the latest National Electrical Code (NEC), the Standards for Safety of Underwriters Laboratory, Inc. (UL), Standards for the American National Standards Institute (ANSI). This warranty will not apply in the event of conditions demonstrating abnormal use or stress, freezing, operating when not fully submerged, under/over voltage/current conditions, excessive switching cycles or operating hours or outside the recommended operating conditions. This warranty does not apply to color shifts or dimming caused by emissions and/or LED color shifts and dimming that naturally occurs over time. **Warranty conditions: If the product operates for 15 or more hours per day or continuously for 24 hours per day, the product warranty period stated shall be reduced to half the stated period.** This warranty does not cover damage occurring during shipment, damage or failure resulting from alteration, accident, acts of God, theft, abuse, negligent installation, improper service, unauthorized repairs, freezing or where adequate care has not been taken to prevent damage to the product(s). Tampering with any internal component of this product(s) will void the warranty.

This warranty gives you specific rights. You may have other rights that vary according to the laws of your state.

#### LIMITATION OF LIABILITY

THE FOREGOING SHALL CONSTITUTE THE EXCLUSIVE REMEDY OF THE PURCHASER AND IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OR TRADE. THE LIABILITY OF J&J UNDER THIS WARRANTY SHALL BE LIMITED TO THE REPLACEMENT, REPAIR OR PRO-RATED CREDIT OF THE PRODUCT AS STATED HEREIN. J&J IS NOT RESPONSIBLE FOR SHIPPING OR TRANSPORTATION COSTS RELATED TO OBTAINING WARRANTY SERVICE. IN NO EVENT SHALL J&J BE LIABLE FOR ANY OTHER COSTS OR DAMAGES, INCLUDING LOST PROFITS OR REVENUES, LABOR CHARGES OR FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES.

J&J reserves the right to change the warranty, warranty period without prior notice and without incurring obligation.

To obtain warranty service, retain the failed Product, retain the installation invoice showing product purchase price and contact J&J Electronics, Inc. at 800.735.4553 ext. 242 or warranty@jandjelectronics.com. As of 1/21/14

For more information about this or other J&J Electronics lighting products, please visit [www.purewhitepoollight.com](http://www.purewhitepoollight.com).

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J&J Electronics • 6 Bendix, Irvine, CA 92618 USA • 800.735.4553 • 949.455.4460 • [www.jandjpoolspa.com](http://www.jandjpoolspa.com)