

# PureWhite™ Pool & Spa Lamp Installation and Operation Guide

## PUREWHITE REPLACEMENT LED IN-GROUND POOL & SPA LAMPS

Model #s: LPL-P1-WHT-12-S, LPL-P1-WHT-120-S, LPL-M1-WHT-12, LPL-M1-WHT-120

PureWhite Replacement LED In-Ground Pool and Spa lamps offer superior, bright white illumination for your pool or spa. This owner's manual contains important information on installing and using your new PureWhite Replacement LED In-Ground Pool or Spa 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 and Spa 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.**

[Applies only to model #s: LPL-P1-WHT-12-S and LPL-P1-WHT-120-S]

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 or spa 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 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 or spa.**

### Rated Lamp Life

The illumination generated by the PureWhite Replacement LED In-Ground Pool or Spa lamp is based on Light Emitting Diode (LED) technology. The average expected lamp life is rated up to 25,000 elapsed time hours under normal operating conditions. [Temperature: 33°F to 104°F (1°C to 40°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 or Spa 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 or Spa lamp in water without containing it in a proper, watertight, NRTL (nationally recognized testing laboratory) light housing and niche assembly.
- Keep the 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 or spa professional.

## Installation

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

### Light housing compatibility

LPL-P1-WHT-12-S, LPL-P1-WHT-120, LPL-M1-WHT-12, and LPL-M1-WHT-120 PureWhite Replacement LED In-Ground Pool and Spa 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™  
Hayward® Astrolite™ II SP059 Series  
Pentair® SpaBrite™ Series



**WARNING!**

**Read this before attempting installation**

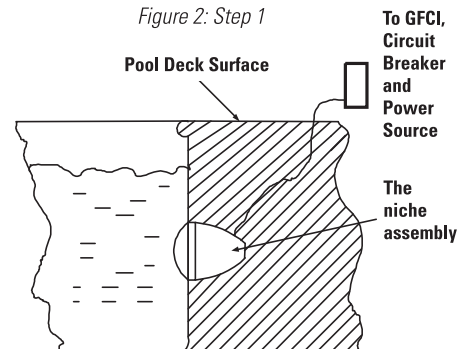
Your PureWhite lamp is not an ordinary light bulb. It is a valuable electronic device that is not designed to come in direct contact with water. An improper installation that results in water leakage into the light housing can permanently damage the PureWhite lamp. Please read these installation steps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

### STEP 1

#### Remove light housing from niche

Make sure power to the pool or spa light is turned off at the circuit breaker. Carefully remove the existing light housing from the niche assembly and place it on the 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 deck surface, call your local pool or spa 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.**

Figure 1: LPL-P1-WHT



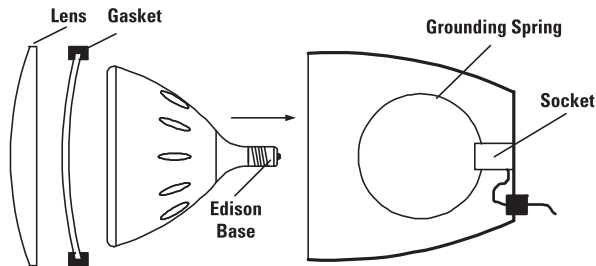
Pool Light

## STEP 2

### Remove old lamp

Access the old lamp according to the original manufacturer's 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 light housing. Take care not to damage the surface of the light housing body that makes contact with the rubber gasket.

Figure 3: Steps 2-4



## 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 light housing that appears to be worn out from prolonged exposure to pool water or mishandling.

## 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 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.

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 or spa 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 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 or Spa 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 light housing continually leaks water after 2 or more attempts at installation, replacement of the 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 or spa light manufacturer's installation manual for further reference.

## Operation

For LPL-P1-WHT-12-S, LPL-P1-WHT-120-S, LPL-M1-WHT-12, and LPL-M1-WHT-120 PureWhite Replacement LED In-Ground Pool and Spa Lamps

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

### For LPL-P1-WHT-12-S, LPL-P1-WHT-120-S, LPL-M1-WHT-12, and LPL-M1-WHT-120

## 1-YEAR LIMITED WARRANTY

### Product warranty

J&J Electronics, Inc. warrants the PureWhite Replacement LED In-Ground Pool or Spa lamp (the Product) to be free from defects in material and/or workmanship, under normal use, conditions and service, for a period of one (1) year from the original date of purchase. If during the warranty period, there is a defect in material or workmanship, J&J Electronics, Inc. will repair or replace (at its discretion) the Product under the conditions of the warranty. The warranty covers normal consumer use of the Product. To obtain warranty service, contact the establishment from which the Product was purchased.

### Exclusions from warranty

The PureWhite Replacement LED In-Ground Pool or Spa lamp is designed for use in In-Ground swimming pools or spas only. If installed for use in any other application, the warranty is void thereby releasing J&J Electronics, Inc. from any and all claims related to its misuse. The warranty does not cover and J&J Electronics, Inc. shall be held harmless against any damage occurring during shipment, damage or failure resulting from alteration, accident, theft, abuse, negligent installation, improper service, unauthorized repairs or where adequate care has not been taken to prevent damage to the Product. Tampering with any internal component of this Product will void the warranty. This warranty does not cover failure due to the presence of water inside the niche fixture. This warranty excludes all incidental or consequential damages except as required by state law. This warranty gives you specific rights. You may have other rights that vary according to the laws of your state.