



# Color Splash™

## 3G

### Pool & Spa Lamp Installation and Operation Guide

**For LPL-P1-RGB-120 and LPL-P1-RGB-12 Color Splash 3G Multi-Color  
LED Replacement In-Ground Pool Lamp**

**LPL-7030-110-2A and LPL-7030-12-2A Color Splash 3G Multi-Color  
Replacement LED In-Ground Spa Lamp**

Color Splash 3G Replacement Multi-Color LED In-ground Pool and Spa lamps offer a variety of microprocessor controlled lighting effects that will instantly transform your pool or spa into a color-rich paradise.

This owner's manual contains important information on installing and using your new Color Splash 3G Replacement Multi-Color LED In-ground Pool or Spa lamp. Please read it carefully and keep it in a safe place for future reference.

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J&J ELECTRONICS INC

# 1

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.

## **WARNING!**

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

## **WARNING!**

**Remove warning label from Color Splash 3G lens before installation.**

## **ATTENTION 14V COLOR SPLASH 3G 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 and spas.

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## **Rated lamp life**

The illumination generated by Color Splash 3G Replacement LED In-Ground Pool and Spa lamps are 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. [Pool Water Temperature: 33°F to 97°F (1°C to 36°C), Humidity: 0-95% non-condensing].

## **Safety precautions**

- Do not open, service or tamper with any internal component of the Color Splash 3G 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 Color Splash 3G Replacement LED In-Ground Pool or Spa 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 Color Splash 3G Replacement LED In-Ground Pool or Spa lamp with care. Be careful not to drop the unit.

## **Pool & Spa Light Housing Compatibility**

LPL-P1-RGB-120, LPL-P1-RGB-12, LPL-7030-110-2A and LPL-7030-12-2A Colorsplash 3G Replacement LED In-Ground Pool or Spa lamps must be installed in a compatible NRTL pool light housing. Compatible NRTL light housings include:

**Pool Light Housings: Hayward® Astrolite™ SP058 Series,  
Pentair® Amerlite 784 Series**

**Spa Light Housings: Hayward Astrolite II SP059,  
Pentair® SpaBrite™ Series**

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## **IMPORTANT NOTE**

**Read this before attempting installation.**

Your Color Splash 3G 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 Color Splash 3G lamp. Please read these installation steps and the original manufacturer's light installation manual carefully before proceeding.

Color Splash 3G lamps are recommended for installation by a qualified pool or spa professional. Color Splash 3G lamps cannot be used with dimming systems. Doing so will void the warranty.

## **STEP 1 Remove light housing from niche**

Make sure power to the 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.

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

Always disconnect power to the pool or spa light at the circuit breaker panel before attempting to service the light. Failure to do so could result in serious injury or death due to electrical shock. Refer to the original manufacturer's pool or spa installation manual before proceeding. As with any electrical device, installation and service should always be performed by a qualified individual.

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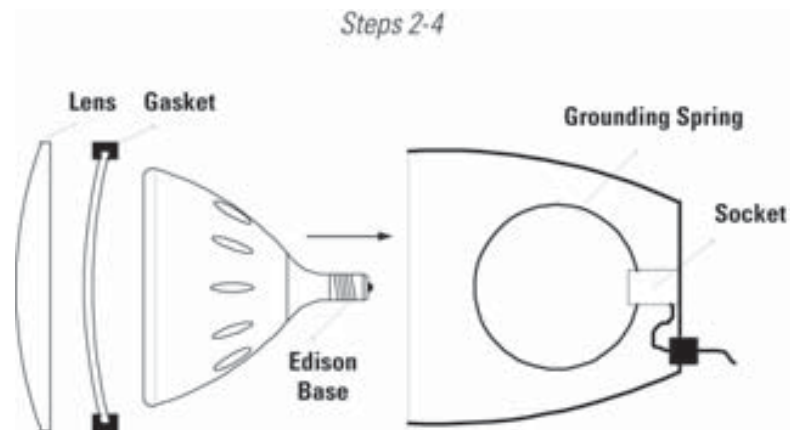
Verify that your Color Splash 3G lamp voltage rating (120VAC or 14VAC) matches your electrical system's voltage requirements before proceeding with installation.

## **STEP 2** Remove old lamp

Access the old lamp according to the original manufacturer's 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.

## **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 Color Splash 3G 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 Color Splash 3G lamp

Remove the old lamp and discard. Carefully screw the Color Splash 3G lamp into the socket.

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## **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 Color Splash 3G lamp and cause serious injury or death due to electrical shock. Set the lens and faceplate in the light housing and re-assemble. 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 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.

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You are now ready to enjoy your new Color Splash 3G Replacement LED In-Ground lamp.

If you do see air bubbles rising to the surface at anytime during the inspection process, immediately remove the Color Splash 3G lamp from the housing and reset the gasket and lens. Make sure that the Color Splash 3G 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.

## **For LPL-P1-RGB-120 and LPL-P1-RGB-12 Color Splash 3G Multi-Color LED Replacement In-Ground Pool Lamps**

## **LPL-7030-110-2A and LPL-7030-12-2A Color Splash 3G Multi-Color Replacement LED In-Ground Spa Lamps**

### **Choosing Colors and Light Shows**

Color Splash 3G Replacement Multi-Color LED In-ground Pool and Spa lamps are pre-programmed and synchronous with each other while offering a wide array of lighting effects and options. They offer five different light shows to choose from, as well as a Color Lock feature which allows you to 'lock' the light on any solid color.

Color Splash 3G's multi-color features are selectable by turning the existing pool light switch off and on, known as power cycling. The amount of time the light is off during power cycling determines the light feature activated.

### **Solid Colors**

Your Color Splash 3G Replacement Multi-Color LED In-ground Pool or Spa lamp has seven solid colors available for you to experience.

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Available colors are:

1. Parisian Blue
2. Brazilian Red
3. Tahitian Blue
4. Miami Pink
5. Tuscan Orange
6. Arctic White
7. New Zealand Green

## Light Shows

Your Color Splash 3G lamp has five light shows from which you can choose. The first three light shows display all seven solid colors, while the last two display selected colors.

1. Northern Lights
2. Super Nova
3. Desert Bloom
4. Patriot Dream
5. Tidal Wash

## How To Change Light Shows

Changing light shows: Turn the pool light power off for 3 seconds and then back on again. Color Splash will advance from the show that it was previously on, to the next show. Repeat the “change light shows” procedure until the desired light show is reached.

## How To Select Solid Colors

You can select a solid color at anytime by activating the “Color Lock” feature. The Color Lock feature allows you to stop a light show and ‘lock’ Color Splash on a solid color.

**Activating the Color Lock feature:** Turn the pool light power off and then back on again within 2 seconds. Color Splash will “lock” on the color it was displaying at the time when you turned it off.

**Deactivating the Color Lock feature:** Turn the pool light power off and then back on again within 2 seconds. Color Splash will resume light show.



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## **Memory Mode:**

When your Color Splash 3G lamps are turned off for more than 10 seconds, the solid color or light show on display will be stored. The next time the power is turned on, the lamp will resume displaying that same color or light show.

## **Reset / Synchronize Mode:**

To activate the reset mode, turn the power off and back on again within 1 second, three times in a row (off/on, off/on, off/on). All of the lamps connected to the switch will indicate they have been reset and synchronized by flashing red four times. When you reset the Color Splash 3G lamps they will go back to the Northern Lights light show.

*NOTE: Your Color Splash 3G Replacement Multi-Color LED In-Ground Pool and Spa lamps are “synchronous”, meaning you can experience the same light shows in your pool and spa at the same time. However, all of the pool and spa lights must be on the same electrical circuit for this feature to be operational. Please consult a qualified electrician to determine your specific pool and spa circuit configuration.*

## **DESCRIPTION OF LIGHT SHOWS AND SOLID COLORS**

### **1. Northern Lights (Factory Default Light Show.)**

*Show:* Slow cross-fade through all seven solid colors.

*Cycle:* Two minute color sequence cycle with slow cross-fade between colors. Light will hold on each solid color for 8 seconds before moving to the next.

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## 2. Super Nova

*Show:* Quick and random flashes through the seven solid colors.

*Cycle:* Random fast change between solid colors in half second intervals.

## 3. Desert Bloom

*Show:* Very slow cross-fade through all seven solid colors.

*Cycle:* Seventy-seven minute color sequence cycle with super slow cross-fade between solid colors. Light will stay on each solid color for 10 minutes before moving to the next.

## 4. Patriot Dream

*Show:* Quick cross-fade through red, white and blue only.

*Cycle:* 11 second cycle through red, white and blue with quick cross-fade between colors. Light will stay on each solid color for 3 seconds before moving to the next.

## 5. Tidal Wash

*Show:* Slow cross-fade between green and blue.

*Cycle:* 24 second cycle through green and blue with slow cross-fade between solid colors.

*(TIP: The Northern Lights show is the best show to use in order to practice using the Color Lock feature of the light.)*

### **ATTENTION!**

**As part of your normal maintenance program, J&J Electronics recommends that all light fixtures be inspected and replaced as necessary to ensure proper operation of your Color Splash 3G lamps.**

## **3-YEAR LIMITED WARRANTY**

### **Product Warranty**

J&J Electronics, Inc. warrants the Color Splash 3G™ Multi-Color LED Replacement 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 three (3) years 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 Color Splash 3G™ Multi-Color LED In-ground Replacement Pool or Spa Lamp is designed for use in in-ground swimming pools and 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.