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› Voswitch Poolexa SS0650X 6-inch LED Color Inground Pool/Spa Light Instruction Manual

## Voswitch SS0650X

# Voswitch Poolexa SS0650X 6-inch LED Color Inground Pool/Spa Light Instruction Manual

Model: SS0650X

## 1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your Voswitch Poolexa SS0650X 6-inch LED Color Inground Pool/Spa Light. Please read these instructions thoroughly before installation and use to ensure optimal performance and safety.

## 2. SAFETY INFORMATION

- **Electrical Safety:** Always ensure power is disconnected at the circuit breaker before attempting any installation, maintenance, or service. All electrical work must be performed by a qualified electrician and comply with local electrical codes.
- **Low Voltage Operation:** This LED pool light operates on a 12V safe working voltage. The 12V transformer is integrated into the included controller, eliminating the need for an external transformer.
- **GFCI Protection:** A Ground Fault Circuit Interrupter (GFCI) must be installed on the 120V supply circuit to the control box for personal safety.
- **Wet Niche Installation:** This light is designed for wet niche installation. Ensure proper sealing and cable management to prevent water ingress.
- **Corrosion Resistance:** The light is constructed with 316L stainless steel for excellent corrosion resistance in both fresh and saltwater pools.

## 3. PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- Voswitch Poolexa SS0650X 6-inch LED Pool/Spa Light with 50-foot cord
- Outdoor Control Box with integrated 12V transformer
- Installation Manual (this document)

## 4. SPECIFICATIONS

| Feature                | Specification                                        |
|------------------------|------------------------------------------------------|
| Brand                  | Voswitch                                             |
| Model                  | SS0650X                                              |
| Light Type             | LED Color Inground Pool/Spa Light                    |
| Light Diameter         | 5.90 inches                                          |
| Light Depth            | 1 inch                                               |
| Material               | 316L Stainless Steel                                 |
| Cord Length            | 50 feet                                              |
| Voltage                | 12 Volts DC (Light), 120V/220V AC (Controller Input) |
| Wattage                | 18 watts                                             |
| Brightness             | 4320 lumens                                          |
| Water Resistance Level | Light: IP68, Controller: IP65                        |
| Control Method         | App (Bluetooth), Manual Buttons                      |
| Color Programs         | 20 different programs                                |
| Included Components    | Outdoor Control Box                                  |

## 5. SETUP & INSTALLATION

The Voswitch Poolexa SS0650X LED pool light is designed for direct installation into a wet niche, replacing your existing fixture without the need for a ring, gasket, or additional housing.

### 5.1 Compatibility

This light is compatible with the following manufacturer's wet niche fixtures (small niche models):

- **Jandy Pro Series:** PLNICSM, SSNICSM
- **Pentair:** 78241100, 78242200, 78242300, 78243100 thru 300, 78244100 thru 300, 79206600
- **Hayward DuraNiche:** SP0601U, SP0608U
- **Sta-Rite:** 05166-1017 thru 1034, 05167-1035 thru 1037

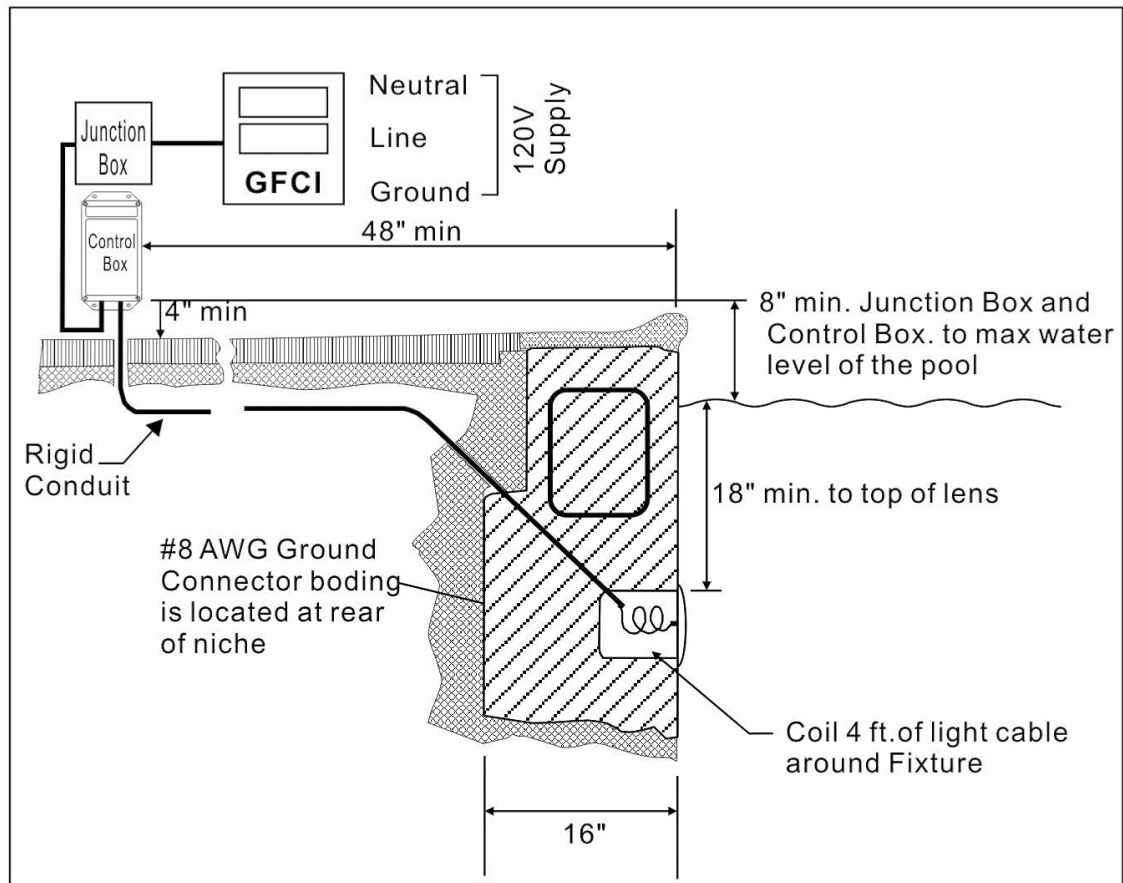
### 5.2 Wiring Diagram and Installation Overview

The installation involves connecting the pool light to the outdoor control box, which then connects to a 120V AC supply protected by a GFCI. Ensure the junction box and control box are installed at least 8 inches above the maximum water level of the pool.



## 2 Year Manufacturer Warranty

Figure 1 : Overview of the pool light and control box connection.



**Installation with only the Following Manufacturer's Wet Niche Fixtures**

Small niche Model numbers:

Jandy Pro Series: PLNICSM, SSNICSM,  
Pentair: 78241100, 78242200, 78242300  
78243100 thru 300, 78244100 thru 300,  
79206600

Hayward DuraNiche: SP0601U

Sta-Rite: 05166-1017 thru 1034, 05167-1035  
thru 1037

Figure 2: Detailed wiring diagram showing connections to GFCI, junction box, and control box. Note the minimum 48-inch distance from the control box to the water level and 18-inch minimum to the top of the light lens.

### 5.3 Cable Management

When installing the light, it is crucial to coil approximately 4 feet of the light cable around the fixture within the wet niche. This slack allows for future servicing without draining the pool.



Figure 3: The adjustable retainer tab helps secure the light within the niche.

## 5.4 Control Box Capacity

One control box can manage the following combinations of Poolexa LED lights:

- One 10-inch light and one 6-inch light
- Two 6-inch lights maximum

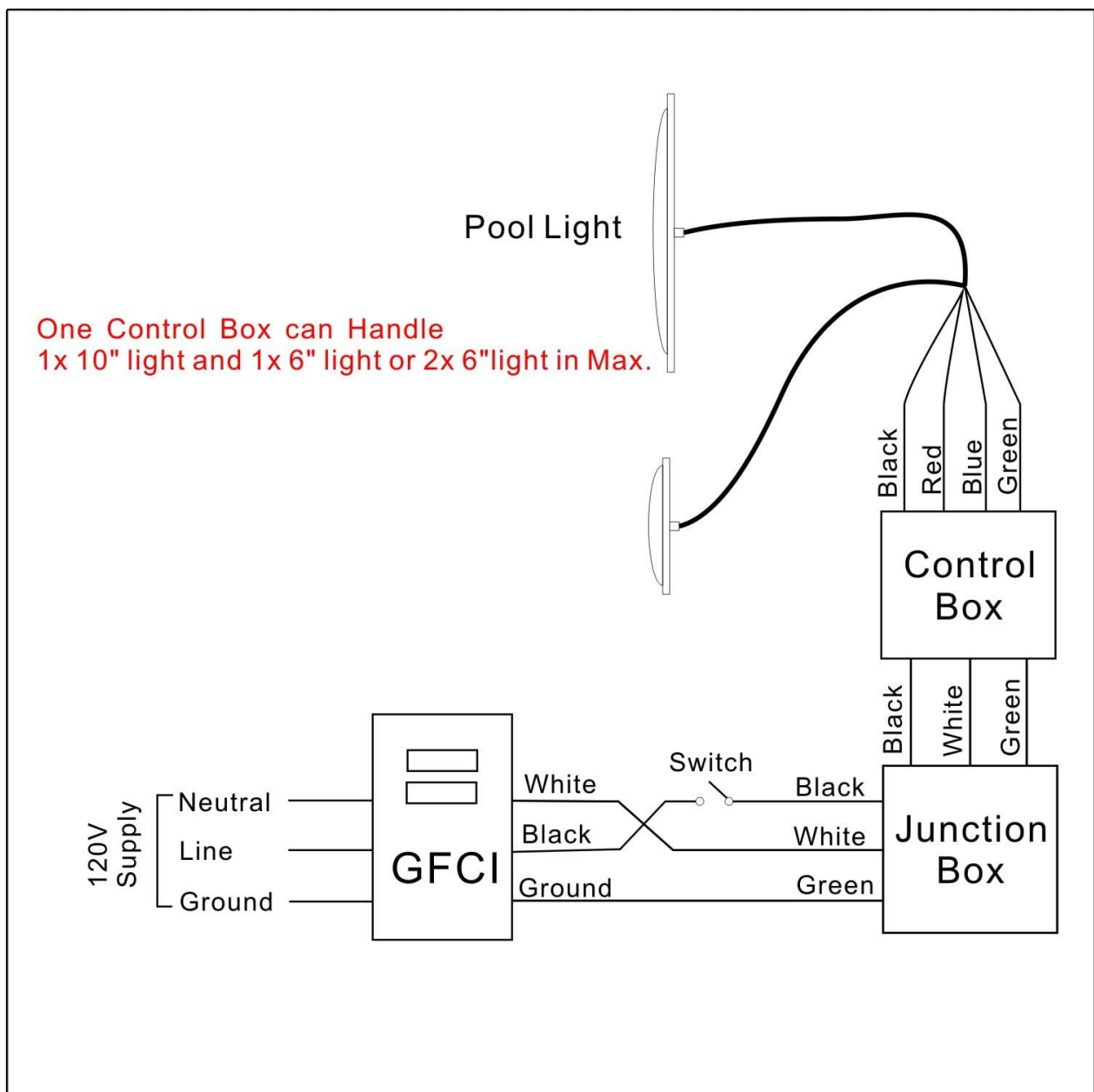


Figure 4: Control box wiring for managing multiple lights.

## 6. OPERATING INSTRUCTIONS

Your Voswitch Poolexa LED pool light offers both manual button control via the outdoor control box and smart control via a Bluetooth-enabled mobile application.

### 6.1 Control Box Operation

The outdoor control box features buttons for various functions:

- **Manual Control:** Press to activate manual mode.
- **Color Selection:** Dedicated buttons for White, Red, Green, Yellow, Cyan, Blue, Purple.
- **Gradient Modes:** Buttons for RGB Gradient and other pre-programmed color transitions.
- **Steady:** Selects a steady color display.
- **Dimmer:** Adjusts light brightness (Up/Down arrows).
- **Speed:** Adjusts the speed of color transitions in gradient modes (Up/Down arrows).
- **Status Indicator:** Provides feedback on the current operating mode.



Figure 5: Outdoor Control Box for manual light operation.



Figure 6: The light offers a wide range of colors and programs.

## 6.2 App (Bluetooth) Control

For advanced control and customization, download the "LED BLE" app available for iOS and Android devices. This allows you to select from 20 different color programs, adjust brightness, and set custom color patterns directly from your smartphone.



Figure 7: Control your pool light using either the Bluetooth app or the physical control box buttons.

## 6.3 Video Demonstration

Video 1: A demonstration of the Poolexa pool light's color changing capabilities on a table, showcasing various light modes and colors.

## 7. MAINTENANCE

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The Voswitch Poolexa LED pool light is designed for durability and minimal maintenance. Regular cleaning of the light's lens can help maintain optimal light output.

- **Cleaning:** Periodically clean the light's lens with a soft cloth and mild, non-abrasive cleaner suitable for pool environments.
- **Inspection:** Regularly inspect the cable and connections for any signs of wear or damage. Ensure the wet niche remains properly sealed.
- **Winterization:** Follow standard pool winterization procedures for your region. The light is designed to withstand various weather conditions, but proper pool care is essential.

## 8. TROUBLESHOOTING

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If you encounter issues with your Voswitch Poolexa LED pool light, consider the following common troubleshooting steps:

- **Light Not Turning On:** Check the power supply to the control box and ensure the GFCI has not tripped. Verify all wiring connections are secure.
- **Incorrect Color/Mode:** Ensure the control box is in the desired mode (Manual or App Bluetooth Control). If using the app, check Bluetooth connection and app settings.
- **Flickering Light:** This could indicate a power fluctuation or a loose connection. Check wiring and power supply.
- **App Connectivity Issues:** Ensure Bluetooth is enabled on your device and the light is within range of the control box. Restart the app or your device if necessary.

For persistent issues, please contact Voswitch customer support.

## 9. WARRANTY & SUPPORT

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Your Voswitch Poolexa SS0650X LED Pool/Spa Light is backed by a **2-year manufacturer warranty**, ensuring peace of mind for your investment.

For warranty claims, technical support, or further assistance, please visit the official Voswitch store or contact their customer service department.

**Voswitch Store:** [Visit the Voswitch Store on Amazon](#)

