Installation Instructions

FIBREGLASS POOL and JACUZZI (2" RETURN FITTING) LIGHTS MODEL OPERATING AND SAFETY INSTRUCTIONS

Congratulations, on your purchase of one of the most advanced LED leakproof sealed ceramic technology lights, in the world today. Your Next Generation P50SPA , 2" return fitting LED pool lights, will provide you with years of trouble free use and enjoyment. SPA50 model fully sealed leak-proof technology has been proven internationally for many years. Since your new SPA50 is consumes less power, cool running, maintenance free you need never change a globe in your pools . Please take a few minutes to read and observe the following installation and safety information. SPA50 model is AC/DC 12V volts unless specifically stated.

WARNING:
1. Our Underwater LED Lights are extremely bright, please DO NOT look directly at the light as it may damage your eyes.
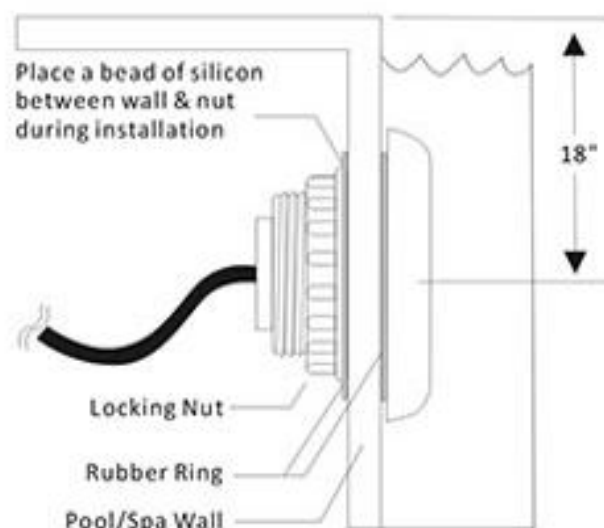2. All SPA50 model MUST switch on under the water .

RISK OF ELECTRICAL SHOCK OR ELECTROCUTION

This underwater lights fixture must be installed by a licensed pools technician or certified electrician or a qualified pools serviceman in accordance with all applicable local codes and ordinances. Improper installation may create an electrical hazard which could result in death or serious injury to pools users, installers or others due to electrical shock and may also cause damage to property. Always disconnect power to the pool lights at the circuit breaker before servicing the lights. Failure to do so could result in death or serious injury to serviceman, pools user or others due to electrical shock. DO NOT connect your new SPA50 the incorrect voltage or you may damage your lights and invalidate the warranty. All Pool lights **MUST** turn on under the water only.

INSTALLATION INSTRUCTIONS

A: Preparatory steps which must be completed by the electrician before light is installed see Figure 1:
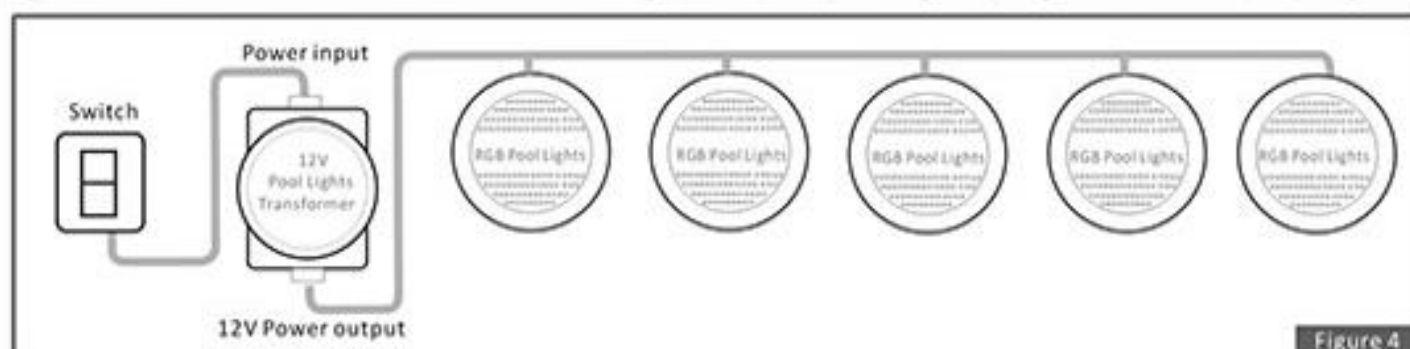
Figure 1

Place a bead of silicon between wall & nut during installation

18"

Locking Nut
Rubber Ring
Pool/Spa Wall

1. Ensure that the electrical system of the pool conforms to the requirements of all the local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the Underwater Light is installed.
a) The junction box, or the low voltage transformer for AC/DC 12 volt modes, NEVER SUBMERGE THE TRANSFORMER is located at least 120 cm from the edge of the pools, and is IP 64 splash rated
b) The lights fixture and all metal items within 240cm of the pools must be properly electrically bonded.
c) If the pools is an irregular shape the fittings should be located in positions to obtain the best light spread in the pools. The fitting should be placed 12" below the water level or 18" below the top of the pools side.
d) Drill a 2 .5" mounting hole at the selected location. After the hole is cut out, clean the area around the hole to remove rough spots and dust.
e). Fit the SPA50 Light fitting in the hole ensuring the rubber seal is fitted between the back of the fitting flange and the interior pool/spa wall as shown in the figure 1 . Place a bead of silicon between the nut and the wall then tighten up the nut firmly. If desired the rubber seal can also be replaced by silicon. (Do Not Over Tighten)

RGB COLOUR CHANGING CONTROLLER SYSTEM

SPA RGB Lights should be installed on the same transformer and on the same switch. To achieve the synchronization when installing multiple lights on the same line. Make sure each lights is installed correctly and on the same circuit. (Figure 4) Switch the lights for more than 10 seconds, the first colour changing program will started . Turn the lights off and wait for 1-2 seconds and turn them back on. Program will be changed . **If the pool lights are not at the same program. Please turn the lights off and wait 3-6second and turn the lights on . All pool lights program will back to program no 1 **

Figure 4

RGB Programs

1. Deep Blue Sea :Slow animation for Blue		8. Neutral white : One colour White
2. Party :Fast animation for all colour	5. Ocean Blue : One colour Blue	9. Pink Lady : Red/Blue
3. Sun Set :Slow animation for Red	6. Glass land : Blue and Green	10. Sunset : Red/Green/Blue
4. Sky blue : Green and Blue	7. Ocean Green : One colour Green	11. Orange Road : Red/ Green