

# Jazz/FX Series Spa Light

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Jazz Series 120 Volt only  
FX Series 120 Volt or 12Volt



## Owners Manual

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# CAREFULLY READ AND FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND ON THE LIGHT AND ASSOCIATED EQUIPMENT.

**⚠ WARNING** **HAZARDOUS VOLTAGE** Incorrectly installed equipment may fail, causing severe injury or property damage.  
Have a certified electrician perform all test before operating equipment.

**⚠ CAUTION** To prevent the risk of damage or injury, do not operate the light out of water for more then 5 minutes. Allow the light to cool down before installing underwater.

## ATTENTION

FIBERSTARS JAZZ & FX-SPA LIGHTS ARE ETL LISTED FOR USE IN FIBERSTARS WET NICHE TYPE FIXTURE ONLY. Small Underwater Light Niche Model number, FS-N1, (ABS).

FIBERSTARS JAZZ & FX Series Spa Wet-Niche Lighting Fixtures are ETL Classified for use in new Spa construction with the following manufactures Wet-Niches:

PENTAIR, (American) model no. 78241100 thru 2300 & 78243100 thru 4300 (Stainless Steel), STA-RITE, 05167-XXXX (ABS) 05166-1017 thru 05166-2350 (Stainless Steel)

ETL Classification Report No. 30480211

**⚠ WARNING** **Risk of electrical shock.** Before removing fixture from pool wall, ALWAYS TURN OFF THE POWER at the breaker.

All 12 Volt lamps require the installation of a 12 Volt transformer.

Install this light and light niche in accordance with Article 680 of the National Electrical Code (NEC), in the United States.

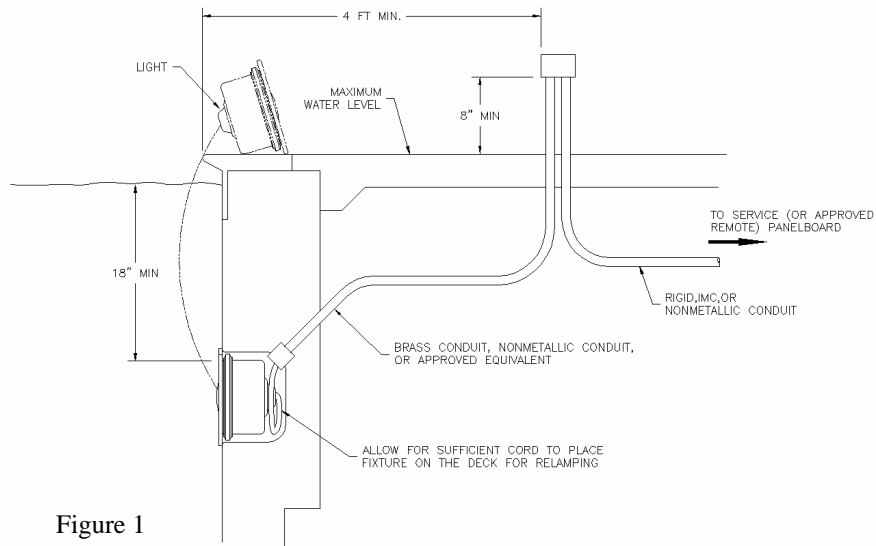
Install an approved Ground Fault Circuit Interrupter in the electrical circuit for this light.

All devices in the system must be directly grounded to a positive electrical ground. All devices in the system must meet all applicable code requirements for bonding.

**⚠ CAUTION** Operating spa light at a reduced voltage will diminish the lighting of your spa during nighttime use. Failure to provide adequate lighting may result in swimming hazards which can cause severe injury or death

**⚠ WARNING** Long cord length and insufficient voltage will cause reduced light output and unit failure. FX will not operate with less than 9 volts (9v) at the light when loaded. Operate only on 12v loaded transformer voltage with a cord length of under 30ft. See installation manual for further information.

Use Fiberstars FX cord only								
Loaded Transformer Voltage	30ft		50ft		75ft		100ft	
	Voltage at Lamp	Change in Brilliance	Voltage at Lamp	Change in Brilliance	Voltage at Lamp	Change in Brilliance	Voltage at Lamp	Change in Brilliance
12V	11.8	-3%	11.6	-8%	11.4	-15%	Do Not Use	
13V	Do Not Use		Do Not Use		12.2	-9%	12	0%
14V	DO NOT USE							



Install fixture in a vertical pool or spa wall – not in floor. Failure to install the fixture properly could result in personal injury and/or property damage.

The Light Fixture shall be installed in or on a wall of the spa, with the top of the lens opening not less than 18” below normal level of the spa.

The junction box must be located:

- At least 4’ from the perimeter of the pool (unless separated from the pool by a solid fence, wall or other permanent structure,
- At least 8” above maximum water level,
- At least 4” above the deck or ground level.

Junction boxes should be located off the walkway around the pool and given additional protection by installing them next to a fence, building, or other permanent structure. Make sure that the installation is in compliance with local codes, and the NEC.

A Ground Fault Circuit Interrupter (GFCI) and an appropriately rated circuit breaker shall be installed in the branch circuit supplying power to fixtures so that there is no shock hazard during re-lamping.

### Lamp Housing Installation

**⚠ CAUTION** **Glass breakage hazard.** Do not push off from the spa side against the light.

**Installation of a 12 Volt transformer is required when installing the 12 Volt model of this light.** The transformer must be located:

- At least 10' from the spa wall,
- Installed near a grounded, 3-prong, 120V, GFCI protected outlet, have a qualified electrician install one.

### Light Fixture Installation – FX & Jazz

1. Before installing light fixture, make sure power to light is off.
2. Feed cord through niche and conduit, while light fixture is on deck area right above the niche. Feed cord to junction box leaving enough cord, about 3' to allow fixture to be placed on deck to allow relamping.
3. **For FX-Series** – Make connections in the junction box (be sure to follow code requirements!). When connecting wires to the junction box, connect supply circuit grounding wire (green, green and yellow, or bare copper) to the green ground conductor from the light fixture. Connect the line supply wire (the black or 'hot' wire) to the black wire from the light fixture. Connect the neutral (white) supply wire to the neutral (white) wire from the light fixture.
4. **For Jazz series** – The **JSPAC-100AS** is a four wire light for use with Fiberstars **Jazz Light**. Connect the three wires to the corresponding circuit wires, with the fourth wire connected to the color wheel control switch of the Jazz Light in the Junction Box and secure the Junction Box cover in place.
5. Insert cord into the niche and place the lamp housing in the niche. Be sure that the locator tab on the bottom of the lamp housing is in the notch at the bottom of the niche.
6. Insert the top screw into top hole on niche and tighten.

## MAINTENANCE

**⚠ WARNING** **Hazardous voltage.**

**⚠ WARNING** **Electrical shock hazard.** Before removing fixture from pool wall, ALWAYS TURN OFF THE POWER at the breaker. Installation and maintenance of this circuit, the light, light niche, and any other accessories attached to this circuit must be performed by a licensed electrician. The complete electrical system must be installed, tested, and approved by a licensed electrician before it is placed in operation.

**⚠ WARNING** **Risk of cuts, burns, and electrical shock.** Avoid direct impacts on glass lens. Do not install damaged or broken lens.

1. Be sure that the power is off. Allow the lamp to cool before re-lamping.
2. Loosen the captive leader screw from the top of the fixture trim ring.

**NOTICE:** The screw in the trim rim may be recessed.

3. Remove the lamp housing and place on the pool deck.
4. Remove screw from clamp.
5. Replace gasket. To reassemble the lens assembly to the lamp housing, reverse the disassembly process. Be sure that the lamp housing is clean, dry, and free of all traces of moisture, before sealing the fixture.
6. Insert cord into niche and place the lamp housing back in the niche. Be sure to align the locator tab at the bottom of the lamp housing with the notch in the bottom of the niche.
7. Fasten the lamp housing into the niche using the captive leader screw at the top of the trim ring.



### Risk of Electrical Shock or Electrocution.

This fixture must be properly installed in accordance with the National Electrical Code and all applicable local codes and ordinances by a certified or licensed Electrician. Failure to do so may result in serious injury to occupants, installers, or cause property damage due to the resulting electrical hazards. Read and follow all instructions.

Volts and Amp rating for FX12V, FX12VAS and FX120V, FX120VAS are as follows,  
FX120V (Color) – 120 Volts .35 Amps. FX12V (Color) – 12 Volts 3.35 Amps  
Jazz Spa – 120 Volts .35 Amps.

## **Control Options for FX series FXSPA12VAS-100, FXSPA120VAS-100, & JSPAC-100AS**

1. Switch Controlled.
  - a) Jandy RS Controlled or comparable control system.
  - b) Fiberstars RM-400 Wireless Remote Control.

### **FX-AS Light Control and Operating Instructions for FXSPA12VAS-100 and FXSPA120VAS-100 Lights**

1. Switch to on position – FX turns on and color stays on last color.
2. Switch off/on – Within 15 seconds, color wheels will rotate to home and pause, before they begin to rotate in sync.
3. Switch off/on – Color wheel stops on color chosen.
4. Switch off/on – repeat step #2.
5. Switch off for a minimum of 3 seconds and the unit will reset to step #1.

### **Operation and control for the JSPAC-100AS lights**

- A. Before operating, make sure both the power and color wheel switches are in the off position. (If the color wheel switch is on when the power is activated the Jazz units will not sync.)
  1. Switch the power on – The Auto Sync units color wheels will rotate to their home position on White. This action takes about 15 seconds.
  2. Switch on the color wheels. The JAZZ SPA units are now in sync.
  3. When shutting down the system always turn the color wheels off. This will allow the color wheels to reset to their home position the next time the lights are turned on.

**Replacement Parts for Fiberstars  
JAZZ/FX Series SPA Lights 120-Volts and 12-Volts**

Item No.	Part No.	Description
1	JSP-1000	Color Wheel
2	JSP-2000	12V 35W Halogen lamp (includes items 3 and 7)
3	JSP-3000	Pilot Screw, with neoprene washer
4	JSP-4000	Face ring, Stainless Steel
5	JSP-5000	Compression Clamp
6	JSP-6000	Lens
7	JSP-7000	Lens Gasket

