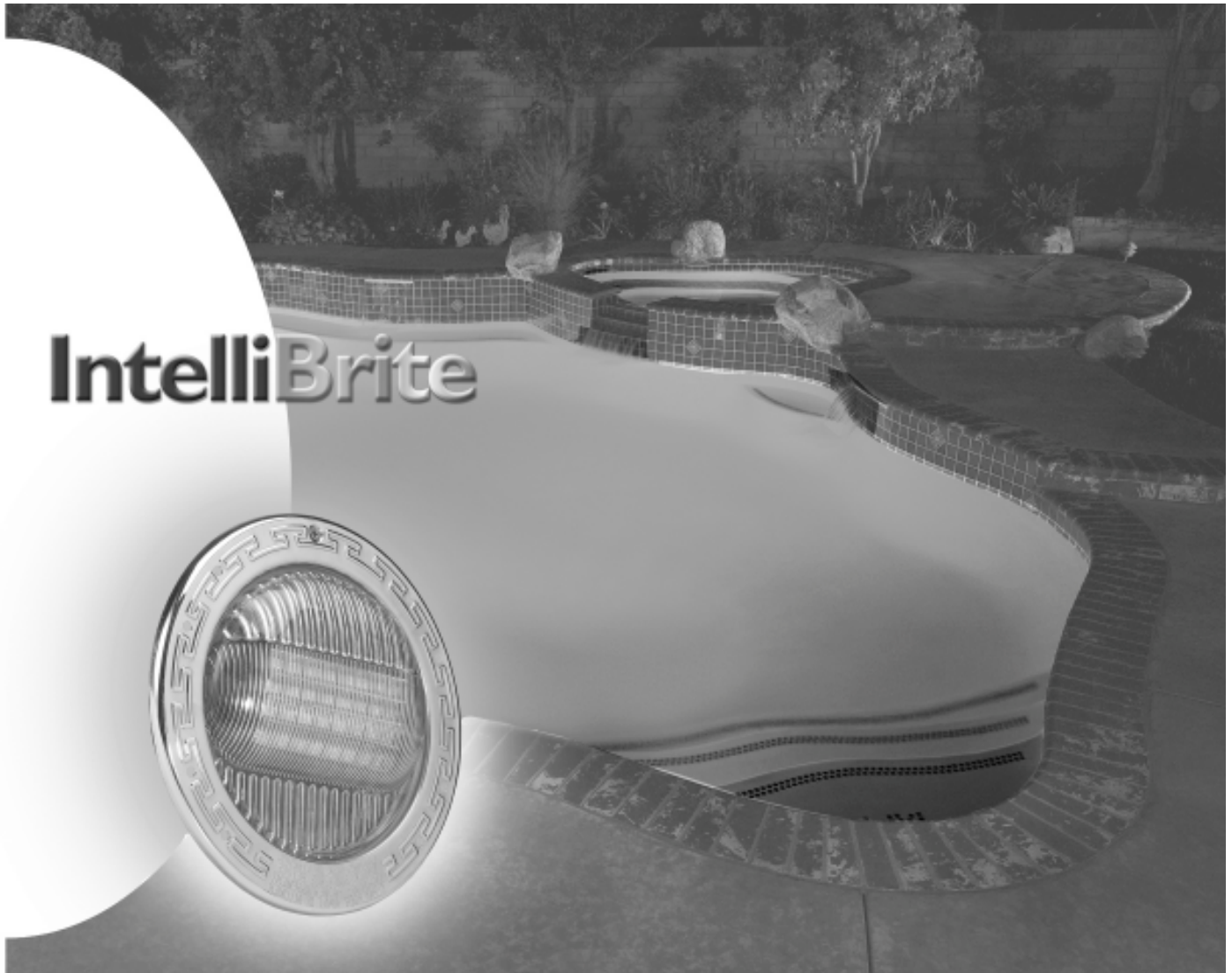# Pentair Water
Pool and Spa®

IntelliBrite®
Underwater Pool
LED Color-Changing Light

IntelliBrite

Installation and User's Guide

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

Customer Service

If you have questions about ordering Pentair replacement parts, and pool products, please use the following contact information.

Customer Service and Technical Support (8 A.M. to 4:30 P.M. Eastern Time/Pacific Time)

Phone: (800) 831-7133

Fax: (800) 284-4151

Web site

visit *www.pentairpool.com* or *www.staritepool.com* to find information about Pentair products

Contents

IMPORTANT SAFETY PRECAUTIONS

Important Notice – Attention Installer: This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner and/or operator of this equipment.

⚠ **WARNING** — Before installing the IntelliBrite® underwater pool LED light, read and follow all warning notices and instructions which are included. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call (800) 831-7133 for additional free copies of these instructions.

⚠ DANGER! Risk of Electrical Shock or Electrocution!

This underwater light must be installed by a licensed or certified electrician or a qualified pool serviceman in accordance with the National Electrical Code and all applicable local codes and ordinances. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock, and may also cause damage to property. Always disconnect the power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to serviceman, pool users or others due to electrical shock. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL.

⚠ **WARNING** — **Important Safety Information for Pentair Niche and Light Installation**
- All Niche and Light installations must conform with all codes. If local codes mandate a cord seal, use Pentair Water Pool and Spa® plastic niches (P/N 79206600 and P/N 79206700).
- Under **no circumstances** replace lights by splicing wire under water or behind niche.

⚠ **WARNING** — *RISK OF ELECTRIC SHOCK AND INJURY.*
  USE ONLY THE INSTALLATION METHOD SPECIFIED BELOW.

Location of Luminaire Use	Pentair Water Pool and Spa® Fountain Fixture* (P/N 560001 and P/N 560000)	Required Installation Method
Swimming Pool and Spa	Wet-Niche Swimming Pool (or Spa) Luminaire (Light)	Fixture Housing (Forming Shell) ONLY. **DO NOT USE** Fountain Fixture Stand.
Fountain	Wet-Niche Submersible Luminaire (Light) swimming Pool (or Spa) Luminair (Light)	Fixture Housing (Forming Shell) or Fountain Fixture Stand.

(*) Note: Wet-niche luminaires complying with requirements for both uses may bare both the Listed Wet-Niche Submersible Luminaires UL Mark. A luminaire not bearing the corresponding UL Listing Mark is not considered by UL to have been produces under UL's Listing and Follow-Up Service for the associated usage location.

⚠ **CAUTION -** The Pentair Water Pool and Spa® IntelliBrite® LED light fixture must only be used with Pentair Water Pool and Spa® fixture housings (niches). If the IntelliBrite® LED light fixture is installed into other niches, the installation will not carry U.L. approval and will void all warranties.

⚠ **WARNING -** Salt is an inherently corrosive material. While the levels of salt required for proper operation of an electronic chlorine generator are relatively low when compared to sea water and other salt solutions, placing any amount of salt in your pool increases the likelihood of corrosion or other deterioration of pool equipment and any surfaces used in and around your pool. Metal parts and certain natural and man-made surfaces are particularly susceptible to corrosion and deterioration when used in and around salt water pools. Pentair Water Pool and Spa, Inc. does not represent or otherwise guarantee that the proper use of an electronic chlorine generator will prevent corrosion or other deterioration of pool equipment and any surfaces used in and around your pool. Consult your experienced pool professional, who should be able to advise you on the proper material selection, installation techniques for those materials, and the proper use, care and maintenance of those materials for your specific pool type and location in order to minimize the corrosion and deterioration that is inherent in and around salt water pools.

IntelliBrite® Underwater Pool LED Color-Changing Light

The IntelliBrite® underwater pool LED (light-emitting diode) light system gives you brilliant vivid multi-colors with spectacular effects for your pool. The energy efficient colored LED array can cycle through colors at varying speeds and in different sequences of color. The unique IntelliBrite® lens geometry provides a wider beam for greater underwater light reflection providing increased light intensity. Choose one of the seven pre-programmed color light shows or select one of the five fixed colors to create virtually endless range of dramatic underwater lighting effects.

IntelliBrite® LED lights are fully compatible with IntelliTouch® and EasyTouch® automation systems. For more information about using IntelliBrite® lights with IntelliTouch® and EasyTouch® automation systems, refer to the IntelliTouch® User's Guide (P/N 520102) and the EasyTouch® User's Guide (P/N 520584).

IntelliBrite® Pool LED Light models

The two models of IntelliBrite® Pool LED light are:

IntelliBrite® Pool LED Light, 120 VAC, with integrated 12 VAC transformer, 50 ft. cord length* (P/N 600101)
IntelliBrite® Pool LED Light, 12 VAC, (requires a 12 VAC 60 Hz [50 Hz where applicable] external isolating safety transformer), 50 ft. cord length* (P/N 600104) — (*) cord length vary from 30 ft. to 100 ft.

Using an External Isolating Safety Transformer for IntelliBrite® 12 VAC Lights

For information about using multiple 12 VAC IntelliBrite® lights on an external isolating safety transformer, see .

Operating IntelliBrite® LED lights using a wall switch

IntelliBrite® LED lights can be controlled using a standard wall-mount light switch. Multiple IntelliBrite® LED lights can be connected via a junction box to a single switch so that all lights can be switched on and off together. IntelliBrite® LED lights are controlled by cycling AC power from a standard wall switch. By turning the switch on and off a specific number of times, the light activates one of the seven light show modes, fixed colors, and enables the "Hold" and "Recall" feature.

Selecting a light show mode or fixed color

Switch power on to the light. A white light will momentarily illuminate, followed by the previously selected color. To select a color show mode (1-7) or fixed color (8-12), turn the wall switch off/on a specific number of times. Each number (1-12) shown below corresponds to the number of times to power-cycle the switch to activate a color light show or fixed color. For details about saving color effects while in "show" modes, see "Hold" and "Recall" feature on page 2.

1. **SAm® Mode:** Cycles through white, magenta, blue and green colors (emulates the Pentair SAm® light).
2. **Party Mode:** Rapid color changing building energy and excitement.
3. **Romance Mode:** Slow color transitions creating a mesmerizing and calming effect.
4. **Caribbean Mode:** Transitions between a variety of blues and greens.
5. **American Mode:** Patriotic red, white and blue transition.
6. **California Sunset Mode:** Dramatic transitions of orange, red and magenta tones.
7. **Royal Mode:** Richer, deeper color tones.
8. **Blue:** Fixed color.
9. **Green:** Fixed color.
10. **Red:** Fixed color.
11. **White:** Fixed color.
12. **Magenta:** Fixed color.
13. **Hold:** Save the current color effect during a color light show.
14. **Recall:** Activate the last saved color effect.

Example: To select **California Sunset Mode**; turn the switch off and on six successive times.

Turn switch Off/On six times ➡ During the off/on switching process, no illumination will occur, then a white light will momentarily illuminate. ➡ Followed by the selected "California Sunset Mode"

⚠ **WARNING:** During the off/on switching process, before the selected color is displayed, no illumination will occur. This operating mode is normal during the switching process. During this period the pool and spa will be dark and precautions should be taken to avoid unforeseen accidents. Failure to observe this warning may result in serious injury or death to pool and spa users.
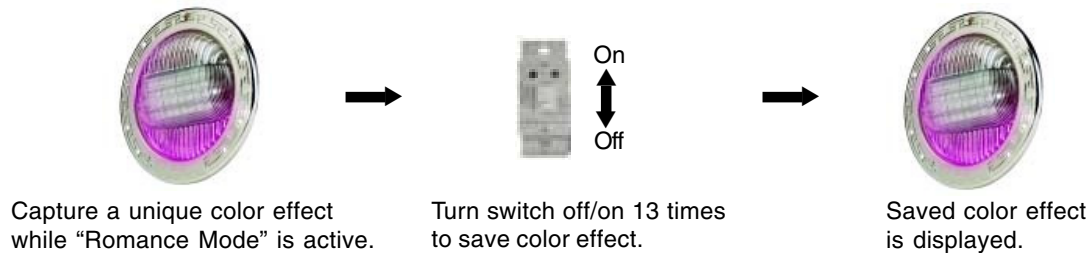
Operating IntelliBrite® LED Lights using a wall switch (Continued)
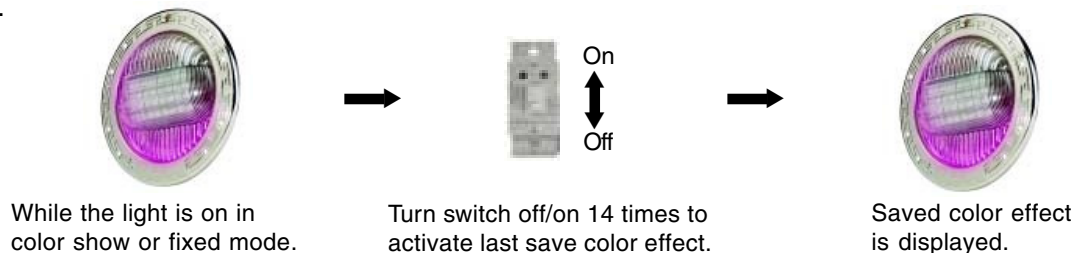
Saving a color mode or fixed color

When power is switched **off** to the IntelliBrite® lights, the last color show mode or fixed color will be saved. The next time the light is powered on, the previously saved color show mode or fixed color will be displayed. For example, while in "Party Mode" switch the light off. Wait more than 10 seconds, switch the light back on to resume "Party Mode."

Hold and Recall feature

Hold: Use the **Hold** feature (power-cycle 13 times) to capture and save a color effect while displaying one of the light show modes. It's easier to capture custom color effects from one of the slower light show modes, such as "Romance Mode" (#3).

On Off		
Capture a unique color effect while "Romance Mode" is active.	Turn switch off/on 13 times to save color effect.	Saved color effect is displayed.

Recall: Use the **Recall** feature to activate the last saved color effect (using the **Hold** feature) while in color show mode or fixed colors. To recall the color effect, power-cycle 14 times, and after five seconds the last saved color effect will be displayed.

On Off		
While the light is on in color show or fixed mode.	Turn switch off/on 14 times to activate last save color effect.	Saved color effect is displayed.

Powering on the light

When the IntelliBrite® LED light is powered on, a momentarily white light will illuminate, followed by the previously selected color.

Note: *If power to the light is off for more than five seconds, the last color show mode or fixed color that was saved will be displayed.*

Troubleshooting

Use the following tips to help to resolve problems that might occur while operating the LED light.

Problem	Cause/Action
The light will not illuminate.	Check the ground fault wiring and reset if necessary.
Light does not function properly.	Check the light wiring connection to the junction box at the pool side and to the AC power switch.
	Be sure that there is proper AC power applied to the light.

Instead of using a wall switch, the IntelliBrite® LED pool light can be used with an IntelliBrite® Controller (sold separately)

The IntelliBrite® Controller [P/N 600054] provides complete control of Pentair Water Pool and Spa® IntelliBrite® underwater LED (light-emitting diode) lights, and IntelliBrite LED landscape lights. It's easy to select a lighting feature, just dial in any one of the pre-programmed color light shows or fixed colors. Using the **Hold** and **Recall** buttons you can also create endless unique lighting effects.

The IntelliBrite® Controller can control individual or multiple IntelliBrite® LED lights. Multiple IntelliBrite® LED lights can be connected via a junction box to an IntelliBrite® Controller so that all lights can be switched on and off together.

Maximum wattage when using multiple lights with IntelliBrite® Controller

When using multiple IntelliBrite® LED lights, the total allowable light wattage is 300 Watts maximum. The following example combination of IntelliBrite® LED lights can be connected to the IntelliBrite® Controller:

- Two (2) IntelliBrite® LED pool lights (each light 70 Watt maximum)
- One (1) IntelliBrite® LED spa light (each light 40 Watt maximum)
- Eight (8) IntelliBrite LED landscape lights (each light 15 Watt maximum)

IntelliBrite® Controller ➡️
[P/N 600054]

INTELLIBRITE® LED POOL LIGHT INSTALLATION

The following describes how to install the IntelliBrite® LED light fixture. Read through pages 3 through 9 before starting the installation procedure.

Installing the IntelliBrite® LED light fixture (new pool construction)

BEFORE STARTING: The following steps (1-6) describe the tasks that must be completed by the electrician before the IntelliBrite light fixture is installed. See Figure 1 diagram.

Be sure that the pool meets the requirements of the current National Electrical Code (N.E.C.) Article 680-22 and all 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. Some of the requirements of the National Electrical Code which the pool's electrical system must meet are as follows:

- The lighting circuit has a Ground Fault Circuit Interrupter (GFCI) for line voltage models, and has an appropriately rated circuit breaker.

- The Junction Box (or, for 12 volt models, the low voltage transformer) is located at least 8 inches above the maximum water level of the pool and at least 48 inches from the edge of the pool; see Figure 1.

- The light fixture and all metal items within 5 feet of the pool are properly electrically bonded.

- The wet niche is properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool; see Figure 1. (Not more than 20" depth in Canada.)

- The wet niche is properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche; see Figure 1.

Note: The pool or spa electrical system can be verified with a Pool and Spa Electrical Qualification Test Kit. The test kit is available from Pentair Water Pool and Spa, Inc. The electrical system inspection using this kit must be performed by trained and certified personnel.

- To be certain that the pool's electrical system meets all applicable requirements, the electrician should also consult the local building department.

- Use only Pentair Water Pool and Spa® wet niches to insure proper bonding and grounding connections.

Installing the IntelliBrite® LED light after electrical requirements are met

1. Feed cord through conduit to Junction Box, leaving at least four (4) feet of cord at the light fixture to coil around the light; see Figure 1. This four (4) feet of cord around the light allows the light to be serviced after the pool is filled with water.

To GFCI, Circuit Breaker and Power Source.

48" min.

4" min.

8" min. Junction Box or Low Voltage Transformer, to the max. water level of the pool.

Rigid Conduit

#8 AWG Ground Connector bonding is located at rear of niche.

18" min. to top of Lens.

Concrete must be cut back around niche to allow for a compacted plaster seal.

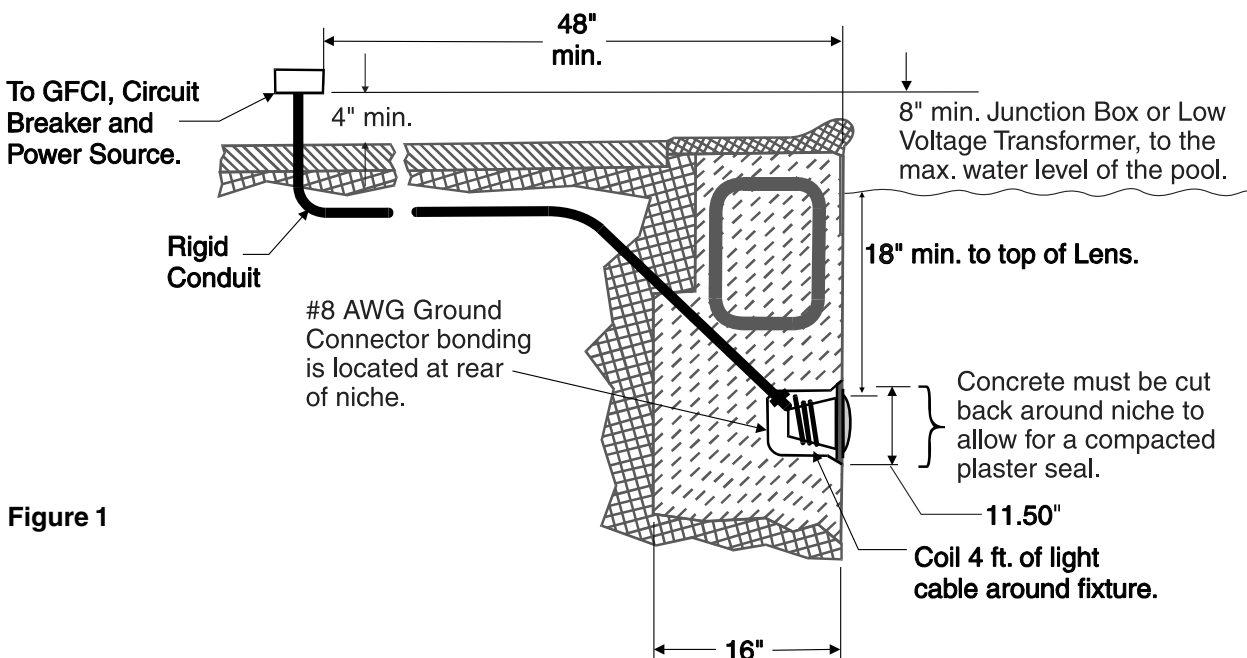11.50"

Coil 4 ft. of light cable around fixture.

16"

Figure 1

2. Cut the cord at the Junction Box, leaving at least six (6) inches of cord to make connections.
3. Strip back six (6) inches of the outer cord jacket to expose the three insulated wires (be careful not to damage the insulation on the three (3) inner wires).
4. Connect all three (3) wires to the corresponding circuit wires in the Junction Box and secure the Junction Box cover in place.

> ⚠ **WARNING -** Never operate this underwater light for more than ten (10) seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of the lens. This may result in serious injury to pool users, installers, or bystanders, or in damage to property.

5. Install the IntelliBrite® light assembly into the niche and tighten the special bronze pilot screw.

> ⚠ **WARNING** - Use only the special pilot screw provided with this underwater light. This screw mounts and electrically grounds the housing securely to the mounting ring and wet niche. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock.

6. Fill the pool until the underwater light is completely submerged in water before operating the light for more than ten (10) seconds. To check for proper operation, switch on the main switch or circuit breaker, as well as the switch which operates the IntelliBrite® underwater light itself.

Replacing the IntelliBrite® LED light assembly in an existing pool

> ⚠ **DANGER! Risk of Electrical Shock or Electrocution!**
>
> This underwater light must be installed by a licensed or certified electrician or a qualified pool serviceman in accordance with the National Electrical Code and all applicable local codes and ordinances. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock, and may also cause damage to property.
>
> Always disconnect the power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to serviceman, pool users or others due to electrical shock.

Before replacing the IntelliBrite® LED light fixture

Verify that the pool meets the requirements of the current National Electrical Code and all 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. Some of the requirements of the National Electrical Code which the pool's electrical system must meet are as follows:

- The lighting circuit has a Ground Fault Circuit Interrupter (GFCI) for line voltage models, and has an appropriately rated circuit breaker.
- The Junction Box **(or, for 12 VAC models, the low voltage transformer)** is located at least 8 inches above ground level and at least 48 inches from the edge of the pool; see Figure 1.
- The light fixture and all metal items within 5 feet of the pool are properly electrically bonded.
- The wet niche is properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool; see Figure 1.
- The wet niche is properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche; see Figure 1.

Note: The pool or spa electrical system can be verified with a Pool and Spa Electrical Qualification Test Kit. The test kit is available from Pentair Water Pool and Spa, Inc. The electrical system inspection using this kit must be performed by trained and certified personnel.

- To be certain that the pool's electrical system meets all applicable requirements, the electrician should also consult the local building department.
- Use only Pentair Water Pool and Spa® wet niches to insure proper bonding and grounding connections.

Replacing the IntelliBrite® LED light fixture after electrical requirements are met

> ⚠ **WARNING** - Failure to bring the pool's electrical system up to code requirements before installing the underwater light will create an electrical hazard which could result in death or serious injury to pool users, installers, or others due to electrical shock, and may also cause damage to property.

1. **Switch off main electrical switch** or circuit breaker, as well as the switch which operates the IntelliBrite® underwater light itself.

2. **To remove light fixture assembly from the pool.** Remove the special bronze pilot screw at top of face ring. Remove the IntelliBrite® light assembly from the niche and place it on the deck (see page 6 for removal instructions).

> ⚠ **WARNING** - Be sure to keep the special pilot screw from this underwater light. This screw mounts and electrically grounds the housing securely to the mounting ring and wet niche. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock.

3. Remove Junction Box cover, disconnect the light fixture wires, and pull the cord through the conduit.

4. Feed the new light fixture cord through the conduit from the niche to the Junction Box. **Note:** Depending on the length of the conduit, special tools may be required to pull the cord through the conduit.

5. Leave at least four (4) feet of cord to coil around the light fixture; see Figure 1 on page 2. This four (4) feet of cord coiled around the light allows the light to be serviced after the pool is filled with water.

6. Cut the cord at the Junction Box, leaving at least size (6) inches of cord to make connections.

7. Strip six (6) inches of the outer cord jacket from the cord to expose the three (3) insulated wires – be careful not to damage the insulation on the three inner wires.

8. Connect all three (3) wires to the corresponding circuit wires in the Junction Box (black wire to power, white wire to common, and green wire to ground) and secure the Junction Box cover in place.

> ⚠ **WARNING** - Never operate this underwater light for more than ten (10) seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of the lens. This may result in serious injury to pool users, installers, or bystanders, or in damage to property.

9. Replace light assembly into the niche and tighten the special pilot screw.

> ⚠ **WARNING** - Use only the special pilot screw provided with this underwater light. This screw mounts and electrically grounds the housing securely to the mounting ring and wet niche. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock.

10. Fill the pool until the IntelliBrite® underwater LED pool light is completely submerged in water before operating the light for more than ten (10) seconds. Switch on main switch or circuit breaker, as well as the switch which operates the underwater light itself to verify that the light is operating correctly.

Replacing the IntelliBrite® LED light assembly

⚠ **D A N G E R !**

RISK OF ELECTRICAL SHOCK OR ELECTROCUTION

Always disconnect power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to installer, serviceman, pool users, or others due to electrical shock.

1. **Turn off main electrical switch or circuit breaker**, as well as the switch which operates the IntelliBrite® LED underwater light itself.

2. Before starting, make sure that you have a new lens gasket (P/N 79101600) and a IntelliBrite® LED pool light assembly ready to install.

⚠ **WARNING** - Replace the LED light assembly with the same type and wattage. Failure to replace the LED light assembly with the same type will damage the LED light assembly and may cause an electrical hazard resulting in death or serious injury to pool users, installers, or others due to electrical shock, and may also cause damage to property.

⚠ **WARNING** - Always install a new lens gasket (P/N 79101600) whenever disassembling the IntelliBrite® LED light assembly. Failure to do so may permit water to leak into the assembly which could cause:

(a) an electrical hazard resulting in death or serious injury to pool users, installers, or others due to electrical shock, or
(b) breakage of the lens, which likewise could result in serious injury to pool users, installers, or bystanders, or in damage to property.

3. **REMOVING THE INTELLIBRITE® LED LIGHT:** Remove the pilot screw at top of face ring, remove the light assembly from the niche. Place the assembly on the deck. **Note:** It is not necessary to drain down the pool.
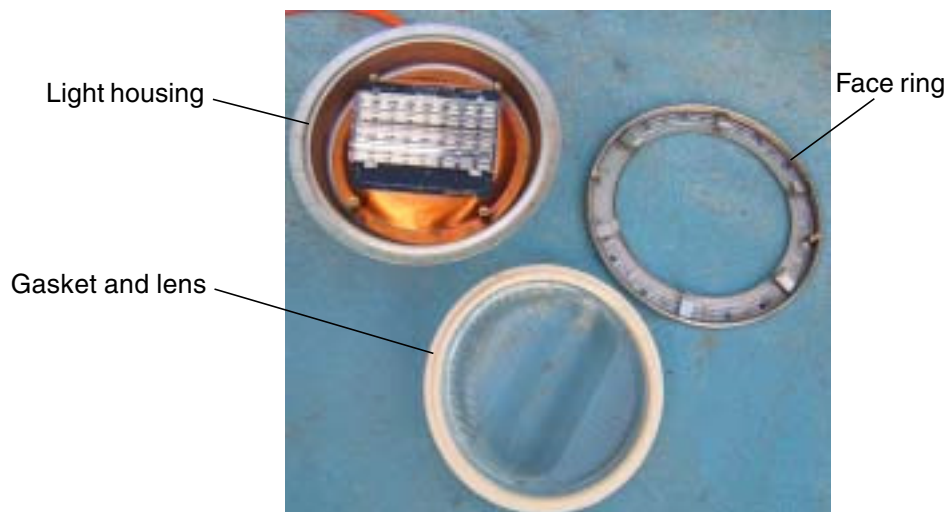
Pilot screw

⚠ **WARNING** - Be sure to keep the pilot screw from the IntelliBrite® LED underwater light. This screw mounts and electrically grounds the housing securely to the mounting ring and wet niche. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock.

4. Using a ¼" nut driver and a #3 Phillips screwdriver, remove the nut uni-tension wire clamp. Place the nut aside for reinstallation.

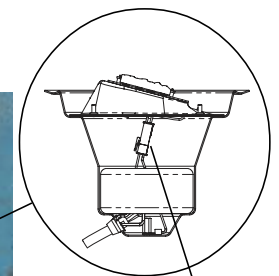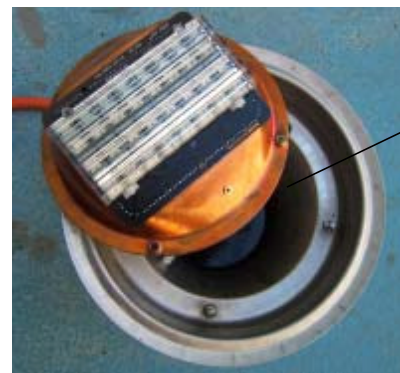5. Remove the face ring and wire clamp from the light housing.
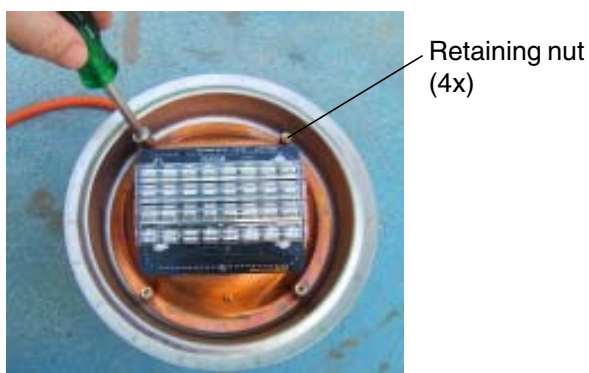

Spring clamp: Remove nut and screw

6. With the light resting on its base, carefully pry off the gasket to remove the lens. Discard the gasket. A NEW LENS GASKET (P/N 79101600) MUST BE USED EACH TIME THE LIGHT IS REASSEMBLED. See page 10 for replacement kit part numbers.

Light housing

Face ring

Gasket and lens

7. Using a ¼" nut driver, carefully remove the four retainer nuts from the LED light assembly. Place the nuts aside for reinstallation.

8. Unplug the LED light assembly connector and remove the assembly from the housing.
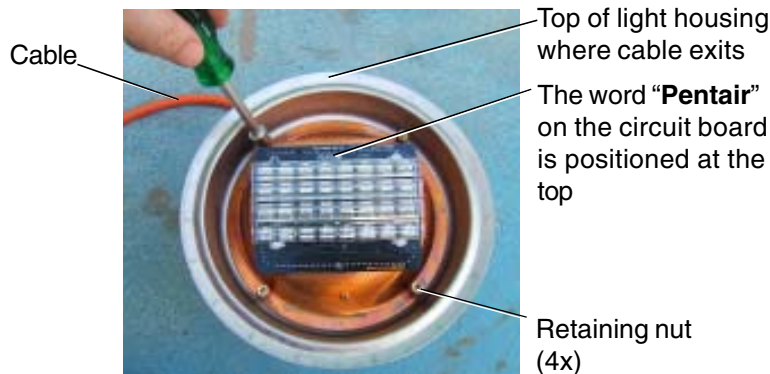

Retaining nut (4x)

Unplug the LED light assembly connector to remove the light assembly from its housing.

9. **INSTALLING THE INTELLIBRITE® LED LIGHT WITH NEW GASKET:** Install a new gasket (P/N 79101600) during reassembly of the IntelliBrite LED light. A NEW LENS GASKET MUST BE USED EACH TIME THE LIGHT IS REASSEMBLED.

10. Clean the inside surface containing the four mounting studs with isopropyl alcohol. Be sure to keep the underside of the new IntelliBrite® LED assembly clean.

Clean this surface before installing the light assembly

11. Connect the IntelliBrite® LED light plug to the connector in the light housing. Lower the LED light assembly into the light housing. Be sure that there are no wires caught between the housing and the back of the light assembly.

12. Orientate the light assembly so that the word "**Pentair**" on the circuit board is positioned at the top (where cable exits) as shown below.

Cable

Top of light housing where cable exits

The word "**Pentair**" on the circuit board is positioned at the top
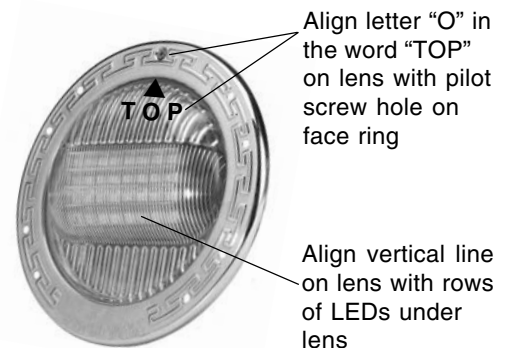
Retaining nut (4x)

13. With the housing resting on its base, carefully align the four screws holes of the light assembly and the housing base. Using a ¼" nut driver, secure the light assembly in place with the four (4) retaining nuts.

14. **Install the new gasket onto the lens:**

a) With the light housing resting on its base, place the lens then the gasket on top of the light housing.

b) Place the face ring on top of the gasket. Make sure that the lens and gasket are centered correctly on the light housing.

c) **Aligning the face ring and lens:** Align the face ring and lens so that the letter "O" in the word "TOP" (and the small arrow above it) on the surface of the lens points to the pilot screw hole on the face ring.

d) **Aligning the lens position with the LEDs:** While looking through the front of the lens, slightly rotate the lens until the vertical lines on the lens are in focus with the four (4) rows of LEDs below.
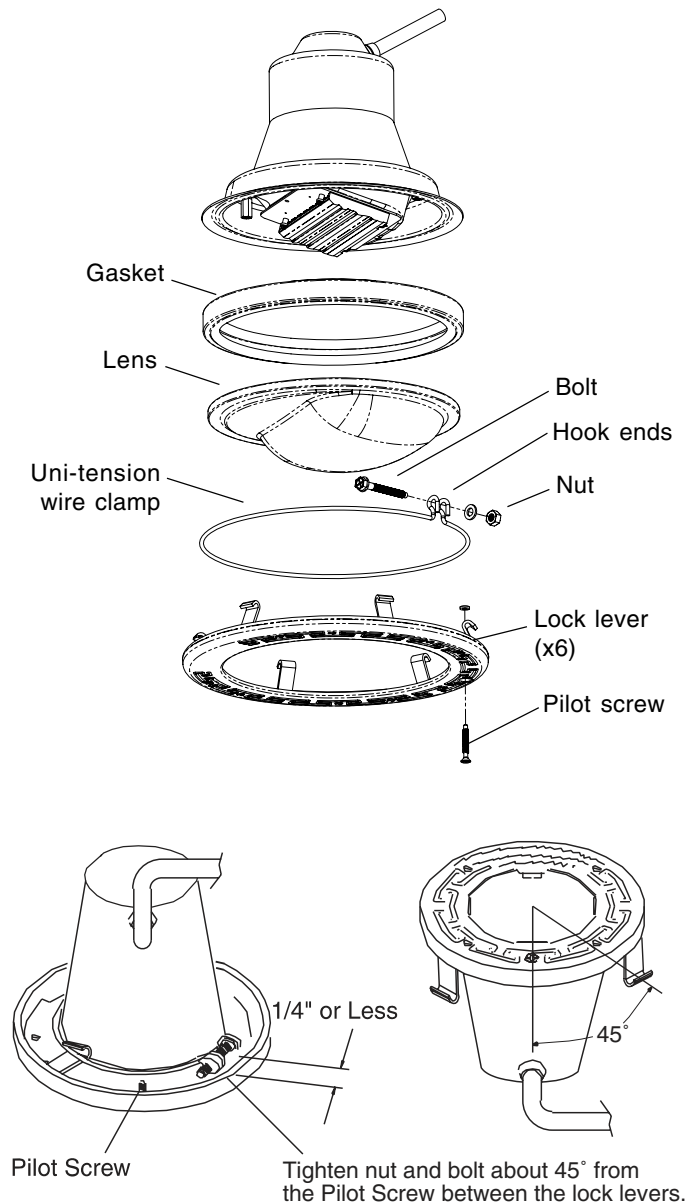

Align letter "O" in the word "TOP" on lens with pilot screw hole on face ring

TOP

Align vertical line on lens with rows of LEDs under lens

15. With the hook ends of the circular uni-tension wire clamp pointing down, spread the clamp and place it in the "U" recesses of the locking levers. Be sure the hook ends of the clamp are located between the pair of locking levers as shown below and that the wire clamp is properly engaged with all of the lock levers.

16. Place a cloth on the ground to protect the lens. Turn the light over so the lens is resting on the cloth. Tighten the bolt and nut until the distance between the ends of the clamp equals ¼-in or less.

17. Install the light assembly into the niche and tighten special pilot screw.

> ⚠ **WARNING** - Use only the special pilot screw provided with this underwater light. This screw mounts and electrically grounds the housing securely to the mounting ring and wet niche. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock.

Gasket
Lens
Bolt
Hook ends
Nut
Uni-tension wire clamp
Lock lever (x6)
Pilot screw

1/4" or Less
45°
Pilot Screw
Tighten nut and bolt about 45° from the Pilot Screw between the lock levers.
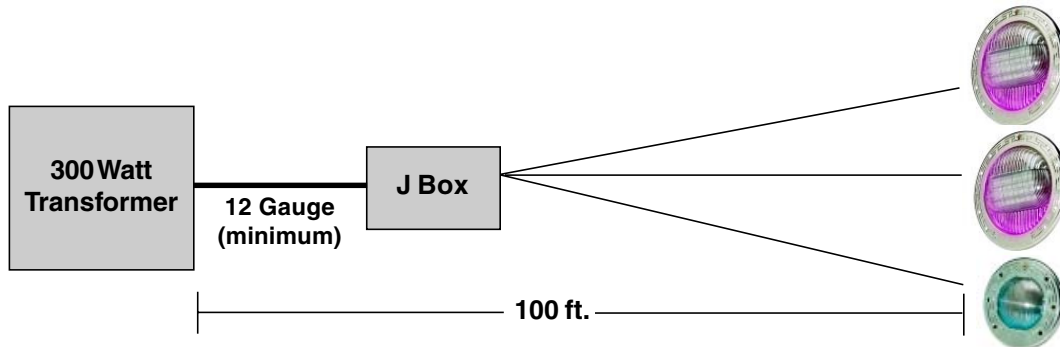
18. Before powering on the IntelliBrite® LED light, be sure the IntelliBrite® LED light is completely submerged in the water. The light should **never** be powered on out of the water for more than 10 seconds.
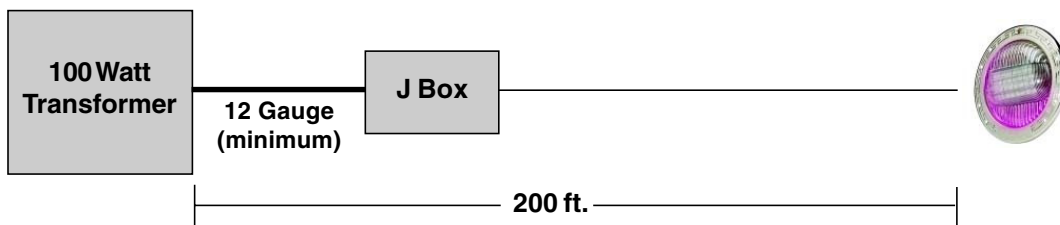
> ⚠ **WARNING** - Never operate the underwater light for more than 10 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot and may result in serious burns or in breakage of the lens. This may result in serious injury to pool users, installers, or bystanders, or in damage to property.

Using an External Isolating Safety Transformer for Multiple IntelliBrite® 12 VAC Lights
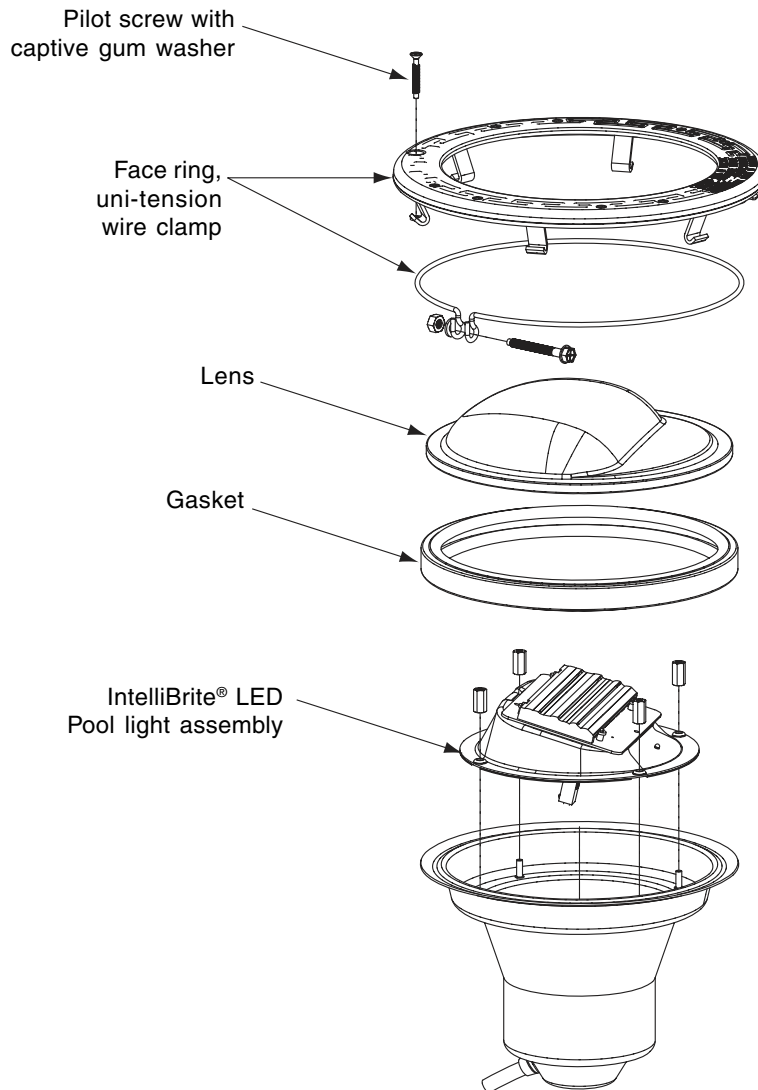
When using multiple IntelliBrite® 12 VAC LED lights on a **300 Watt** transformer, it is recommended that no more than two (2) IntelliBrite® pool lights and one (1) IntelliBrite® Spa light be used. It is also recommended not to exceed 100 feet of total cable run between the transformer and light (see diagram below).

If a longer cable run is necessary, it is recommended that separate **100 Watt** transformers be used for each light with no more than 200 feet of total cable run between the transformer and light (see diagram below).

IntelliBrite® Pool Light Replacement Kit Part Numbers

Pilot screw with captive gum washer

Face ring, uni-tension wire clamp

Lens

Gasket

IntelliBrite® LED Pool light assembly

Kit Part No.	Description
600095	Face Ring assembly, stainless steel
	- Uni-tension wire clamp assembly
	- Gasket, 8-3/8 in. diameter, off white
600096	Gasket, 8-3/8 in. diameter, off white
	- Lens, IntelliBrite®, Pool, 8-3/8 in. diameter, tempered
600076	Light assembly, IntelliBrite® LED Pool
	- Gasket, 8-3/8 in. diameter, off white
79104800	Pilot screw, with captive gum washer
79101600	- Gasket, 8-3/8 in. diameter, off white

Note: A 12 VAC 60 Hz (50 Hz where applicable) external isolating safety transformer is required for the 12 VAC model IntelliBrite® LED Pool light. See page 1 for more information.

Pentair Water
Pool and Spa®