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## Important Warnings and Safety Information

Read and follow all instructions

**WARNING**

**To reduce risk of injury, do not permit children to use this product unless they are closely supervised at all times.**

**WARNING**

**Serious bodily injury or death can result if this product is not installed and used correctly. Follow all instructions for installation and operation.**

**WARNING**

**Risk of Electric Shock. Hazardous voltage can shock, burn, and cause death or serious property damage. All electrical wiring MUST be in conformance with applicable local codes, regulations, and the National Electrical Code (NEC). To reduce the risk of electric shock, do NOT use an extension cord to connect unit to electric supply. Provide a properly located electrical receptacle. Before working on any electrical equipment, turn off the power supply to the equipment.**

**WARNING**

**Before working on or servicing pool lights, ALWAYS DISCONNECT power to the pool and/or spa lights at the source circuit breaker. Failure to do so could result in death or serious injury to service person, pool users or others due to electric shock. When installing and using this electrical equipment, basic safety precautions should always be followed.**

**WARNING**

**Risk of Electric Shock. Opening light can cause shock, burn, severe injury. This light does not have user serviceable parts inside. Do not open light.**

**WARNING**

**The Pipe Light must be installed with the top of the lens opening not less than 100mm (4in) below the normal water level of the pool.**

**CAUTION**

**Most states and local codes regulate the construction, installation, and operation of public pools and spas, and the construction of residential pools and spas. It is important to comply with these codes, many of which directly regulate the installation and use of this product. Consult your local building and health codes for more information.**

This underwater light **must** be installed by a licensed or certified electrician or a qualified pool professional in accordance with the current National Electrical Code (NEC), NFPA 70 or the Canadian Electrical Code (CEC), CSA C22.1. All applicable local installation codes and ordinances must also be adhered to. 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 power source. 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 service person, pool users or others due to electrical shock.

## INSTALLERS AND INSPECTORS

The GalaxyBrite Pipe Light and Bubbler Housing form a complete non-metallic low voltage lighting system. For supply connection, use only an isolating low voltage power supply with ungrounded output, evaluated for swimming pool use.

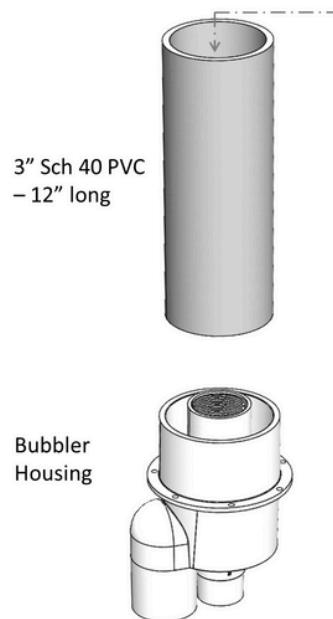
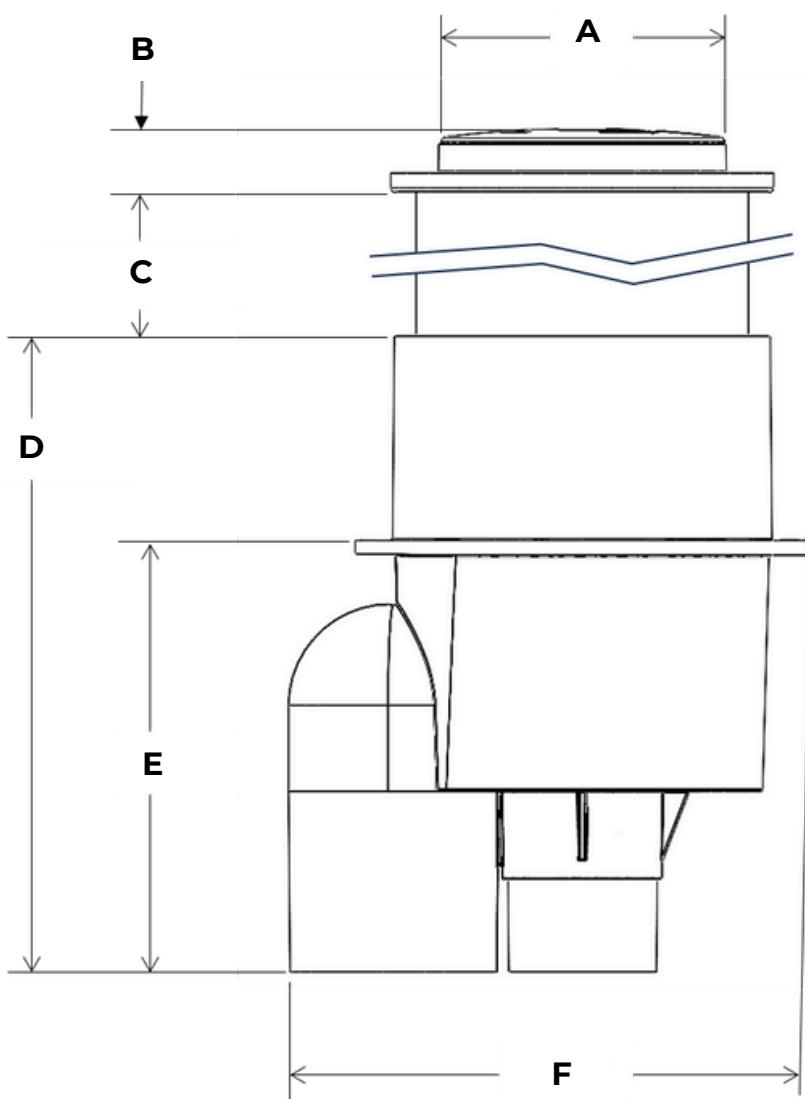
## UNBONDED LIGHTING NEC PROVISIONS

When the UL listed non-metallic GalaxyBrite Bubbler low voltage Pipe Lights are used with the GalaxyBrite Bubbler Housing, the current NEC provides an exception to luminaire bonding and grounding in Article 680.6 and 680.23.

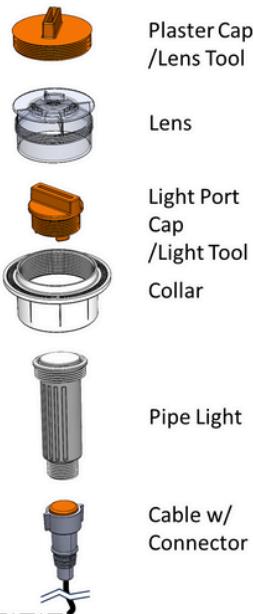
## POOL WATER BONDING NEC PROVISIONS

For Pool Water Bonding required by NEC Article 680.26C, concrete pools are considered conductive (refer to 680.26 (b)(1)) due to the porosity of concrete and the bonding of rebar. No additional bonding is required.

# PACKAGE CONTENTS & DIMENSIONS



Bubbler Housing



Code	Dimensions (Inches)
A	3
B	6.63
C	1.50 (min.)
D	6.75
E	4.50
F	5.50

## INTRODUCTION

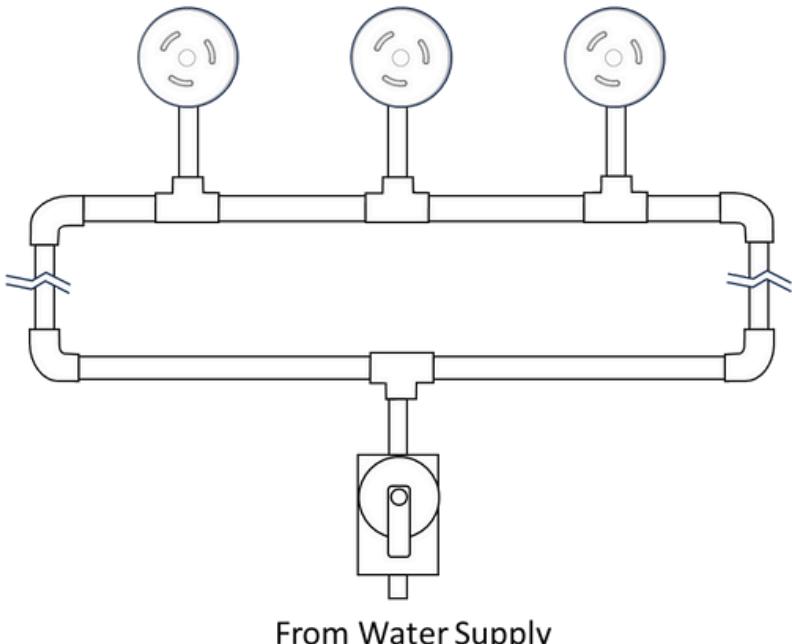
This guide details the installation, and operation of the GalaxyBrite Pipe Light Bubbler for pools and spas. Designed for energy efficiency and vibrant performance, the GalaxyBrite Pipe Light Bubbler transforms sun shelves, steps, and beach entries into captivating fountain water features. With compatibility across three light modes (Pentair, Jandy, or Hayward), GalaxyBrite offers a dazzling array of options, including 19 pre-programmed color light shows and 24 fixed colors. Create stunning underwater lighting effects to elevate your pool or spa experience to the next level.

**NOTE**

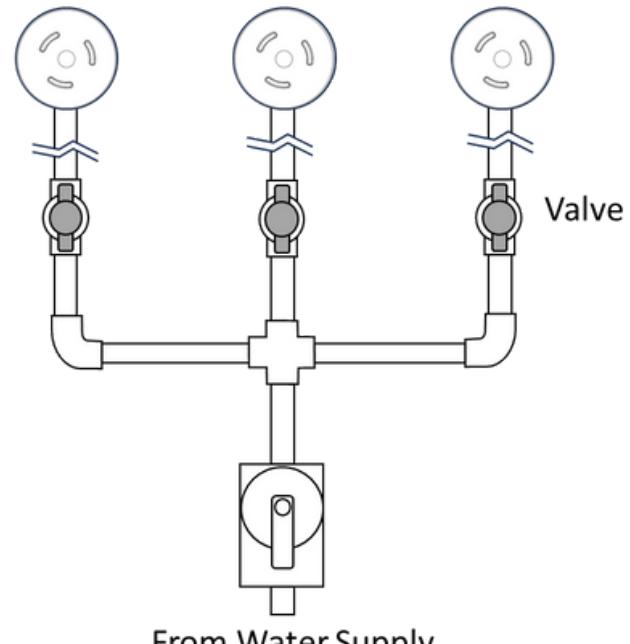
*Failure to follow recommended installation methods could void warranties and cause injury.*

# INSTRUCTIONS

## Plumbing Instructions



**Figure 1**



**Figure 2**

**Same Depth:** Use the looped plumbing setup shown above when installing multiple bubblers at the same depth.

**Different Depth:** Use the looped plumbing setup shown above when installing multiple bubblers at different depths.

# Bubbler Housing Installation

**1** Locate position on pool or spa floor where bubbler is to be installed. The top of the bubbler lens must be a minimum of six (6) inches below normal water level.

**2** For the water supply, dig a trench for 1.5" Schedule 40 PVC plumbing to the location of the bubbler housing. Plumb into the bottom of the bubbler using sweep 90° elbows and connect into a vertical riser. See Figure 3.

**3** For the electrical conduit, dig a trench for 1.0" Schedule 40 PVC plumbing to the location of the bubbler housing. Plumb into the bottom of the bubbler using sweep 90° elbows and connect into a vertical riser. Secure the bubbler housing-fixture to the rebar with wire ties. See Figure 3.

**4** Ensure the orange plaster cap is threaded into place in the light tube.

**5** Glue a 3.0" Schedule 40 PVC riser pipe into the bubbler housing body. The height of the riser should be at least 6" above the planned pebble height. See Figure 3.

**6** Glue a 3.0" Schedule 40 PVC cap onto the riser. See Figure 3.

**7** Pressure-test the bubbler housing in accordance with local codes (pressure to remain on system until plaster).

**8** Backfill the plumbing trenches with dirt to maintain its vertical alignment. Pack dirt around the bottom end of the riser to hold it plumb and stabilize it.

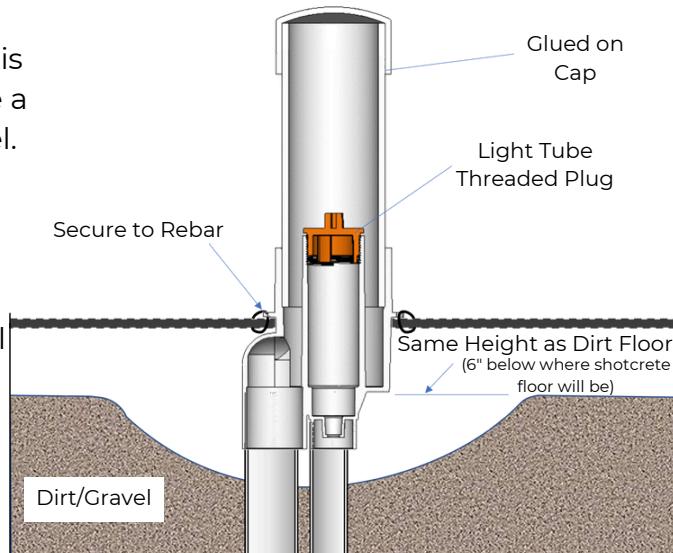
**CAUTION**

*Ensure piping is adequately supported on undisturbed earth. Do not stress pipe by lifting or moving pipe after the connections have been made.*

**9** Apply gunite and fill completely around the bubbler housing up to the desired level.

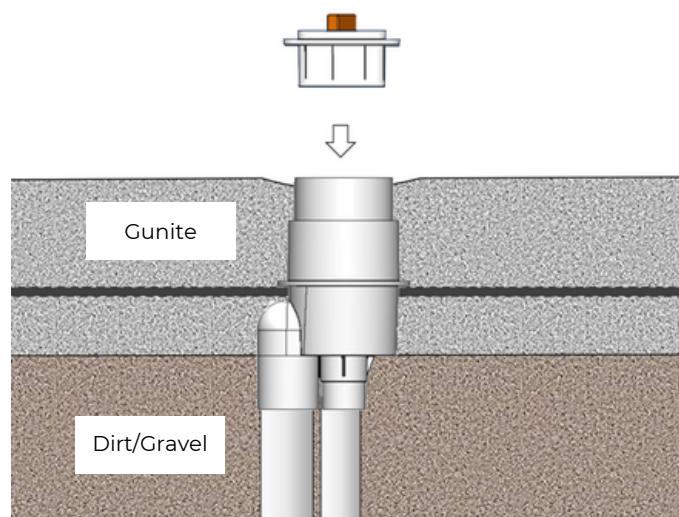
**10** Using a Sawzall or other cutting tool, cut the 3" riser flush with the gunite level. See Figure 4.

## Pressure Test Before Shotcrete



**FIGURE 3**

Cut off 3" pipe flush and glue in collar



**FIGURE 4**

11

Glue the 3" collar into the riser pipe. Ensure the orange plaster cap for the collar is threaded into place. See Figure 4.

12

Apply and smooth out plaster around the edge of the water stop on the collar. The surface of the plaster should be even with the finished surface level. See Figure 5.

## Light Installation Steps

1

Only install the GalaxyBrite Pipe Light after the finish work is complete to avoid causing any damage to the light and cable.

2

Remove the orange plaster cap for the riser collar.

3

Route the GalaxyBrite cable through the light tube, to the location of the 12V AC pool transformer or junction box. See Figure 6.

4

Thread the GalaxyBrite light into the light tube using the plaster cap. The orange plaster cap doubles as an installation tool. The four prongs on the underside of the tool fit into the face of the GalaxyBrite light. See Figure 7.

5

At the 12V AC transformer or junction box, cut off any extra cord. Leave at least twelve (12) inches of cable in the junction box or transformer to facilitate the light installation, niche inspection.

6

Strip back the outer cord jacket of the wires to expose the two (2) insulated conductors. Strip back the two conductors. Be careful not to damage the copper conductor.

7

Connect the two (2) conductors to the corresponding circuit wires in the junction box (black wire to power, white wire to common). Secure the junction box cover.

8

Thread the bubbler housing lens into the top of the collar using the collar plaster cap. The orange collar plaster cap doubles as an installation tool. The three prongs on the underside of the tool fit into the face of the lens. See Figure 8.

Finish inside of pool

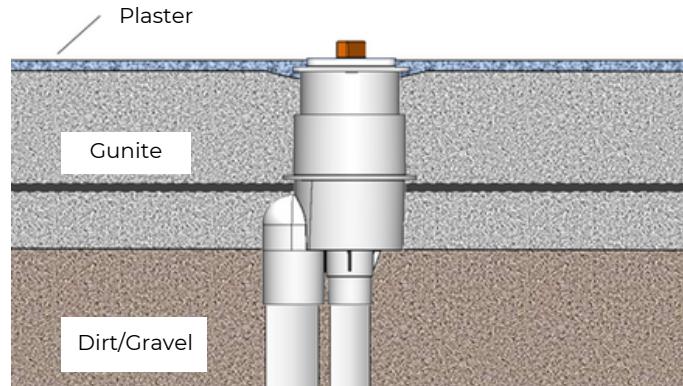


Figure 5

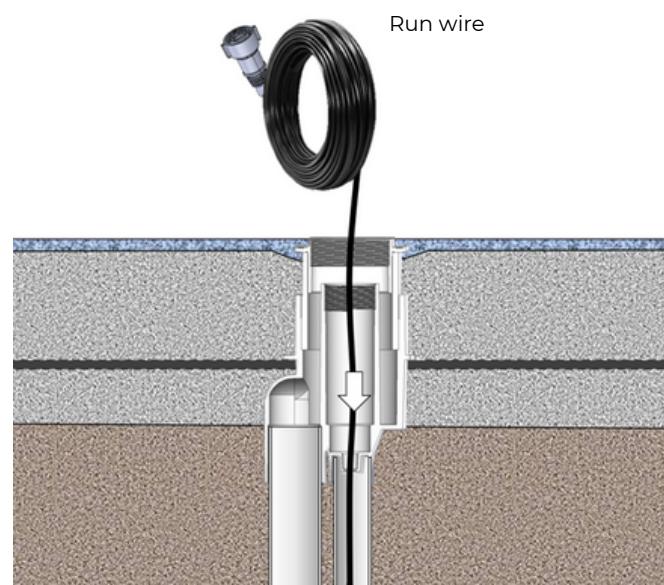


Figure 6

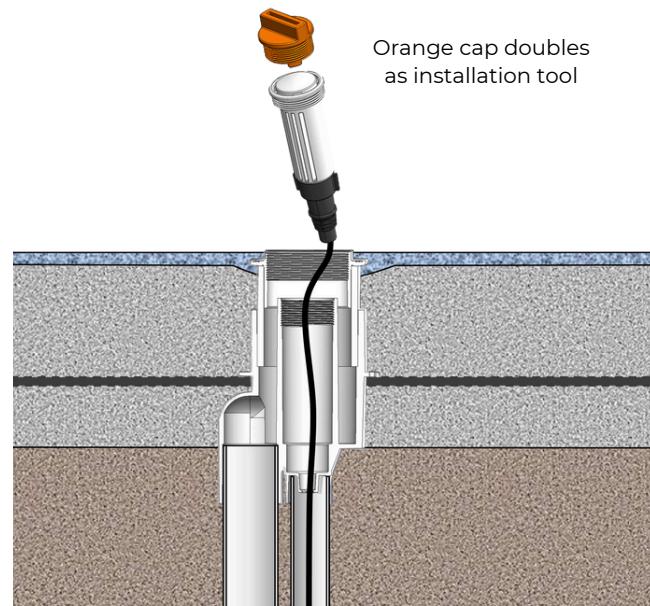
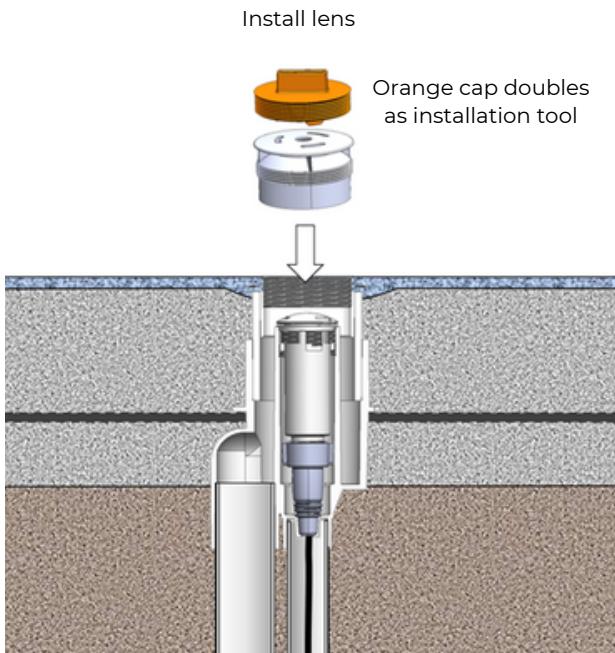
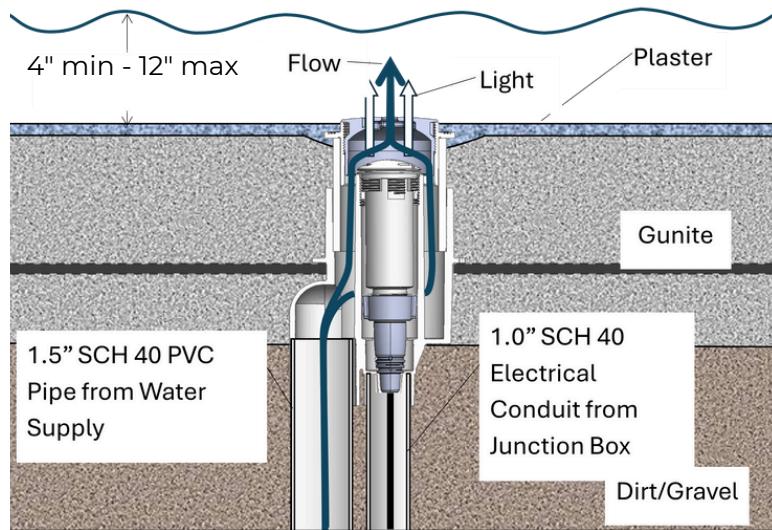


Figure 7

The completed installation should appear as in Figure 9.



**Figure 8**



**Figure 9**

**CAUTION**

Please allow adequate cure time in accordance with the PVC glue manufacturer guidelines before utilizing the telescoping bubbler in water.

**WARNING**

PVC GLUE AND PRIMERS CAN BE FLAMMABLE, POISONOUS OR BOTH. CLOSELY FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

## MAINTENANCE & WINTERIZATION

1

**Broken or Damaged Lens Replacement** - If the lens of the GalaxyBrite Bubbler is broken or damaged, it must be replaced immediately to ensure continued compliance with safety standards and to maintain proper functionality. Operating the bubbler with a damaged lens may result in water intrusion or electrical hazards, compromising user safety.

2

**Winterization** - When the pool is to be prepared for winter or will be out of service for a long period of time, the following steps should be followed to ensure that the bubbler unit will not be damaged:

If water WILL be below bubbler level: remove the lens and light. Vacuum or soak up all residual pool water from the housing. Install both plaster caps that were saved from installation. If these parts were not saved from installation, replacement parts are available for purchase.

## NOTES

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