






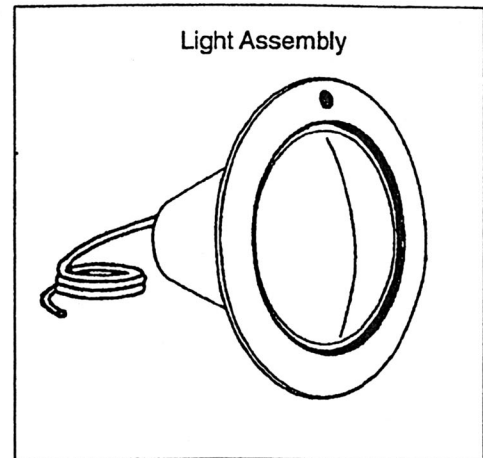


Galaxy LED Light OWNER'S MANUAL & INSTALLATION INSTRUCTIONS

WARNING! READ BEFORE INSTALLING

-  Install and locate this light in accordance with the installation instructions.
-  This unit is potentially hazardous if not properly installed.
-  This unit must be installed in conformance with Article 680 of the National Electric Code and all local code requirements.
-  To reduce the risk of electric shock, a Class A ground fault circuit interrupter (GFCI) shall be installed in the branch circuit by a licensed electrician, and all devices in the system must be properly grounded.
-  The total electrical system must be installed, tested, and approved by a licensed electrician before it is placed in operation.
-  This fixture is not intended for installation in pool or spa floors. It must be installed in a vertically oriented wall. Failure to install the fixture properly could result in personal injury and/or property damage.
-  Never operate this light fixture for more than ten seconds without its complete submergence in water. Total submersion is required for cooling.
Except when the fixture is installed in an area of the swimming pool that is not used for swimming and the lens is adequately guarded to keep any person from contacting it, the fixture shall be installed in or on a wall of the pool, with the top of the lens opening not less than 18 in. below the normal water level of the pool.



Galaxy LED pool lighting fixtures are designed to meet the National Electric Code, Article 680 requirements. The NEC requires that fixtures be installed so that the top of the fixture lens is at least 18" below normal water level. The junction box shall be located not less than 8" above the pool water level and not less than 4" above the pool deck or ground, whichever is higher. The junction box shall be located not less than 4 feet from the perimeter of the pool, unless separated from the pool by a fence, wall or other permanent barrier. Junction boxes mounted above grade in the walkway around pool shall be afforded additional protection by locating them in such places as under a diving board, adjacent to fixed structures, etc. Check codes to assure compliance.

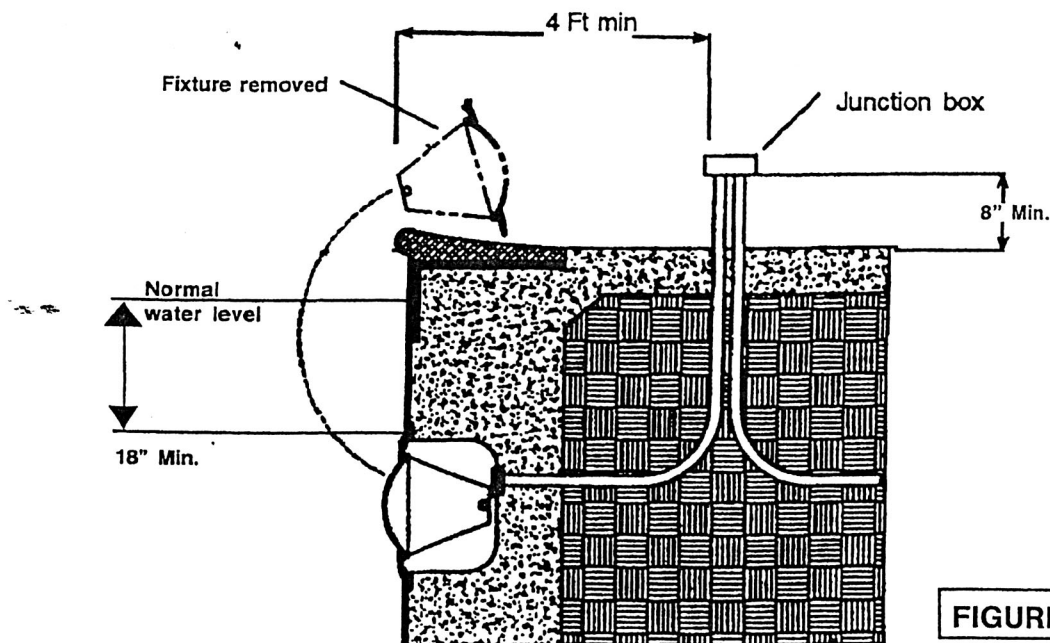


FIGURE #1

LIGHT INSTALLATION

SEE FIGURE #1

▲ Warning: Disconnect all power sources to the pool equipment before installing this light fixture.

1. Verify that your newly purchased LED light matches your wattage, voltage and cord length requirements.
2. Place the light assembly on the deck. Run the end of the cord down into the pool and into the niche opening. Push the cord into the conduit until it appears at your wiring junction box. Pull the excess cord through the conduit, but leave sufficient slack to raise light to deck level as shown.
3. **Bonding:** The National Electric Code, Article 680-22 requires that the light be electrically bonded to the pool/spa structure by a solid copper conductor no smaller than No. 8 AWG.
4. **Grounding:** The light must be permanently grounded in accordance with the National Electric Code, Article 250 and applicable local codes before connecting to the electrical power service.
5. Wiring connections at the junction box shall comply with local codes and the National Electrical Code.
6. Wrap the excess cord around the light housing as it is lowered into the niche. This excess cord will be necessary to accommodate future bulb replacement when the light must be raised to deck level.
7. Insert the light assembly into the niche with the "face-ring locking screw" (see figure #2) positioned at 12 o'clock. Be certain the hook at the bottom of the face-ring (at 6 o'clock position) is securely attached to the notch on the bottom rim of the light niche.
8. Secure the light assembly to the niche using the locking screw at the top of the face-ring.
9. (Re-)connect power supply to light.

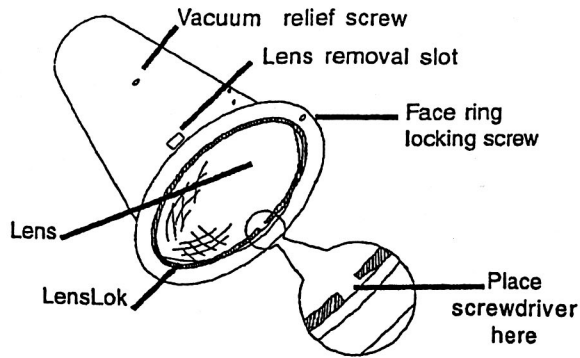


FIGURE #2

BULB REPLACEMENT

SEE FIGURE #2

▲ **Warning:** Disconnect all power sources to the pool equipment before installing this light fixture.

1. Remove the “**face-ring locking screw**” at the top of the face ring.
2. Remove the light assembly from the niche and raise to deck level.
3. Remove the stainless steel **LensLok™ retaining ring** by pulling the notched end of the **LensLok™** towards the center of the lens with a flathead screwdriver.

4. Place the head of your screwdriver into the **lens removal slot** on the light body and twist to remove the lens.

Note: If the lens is not easily removable, loosen the **vacuum relief screw** on the side of the light housing until vacuum is relieved. Do not completely remove the screw. Now remove the lens and immediately re-tighten vacuum relief screw.

5. Replace the bulb with an equivalent wattage and voltage from your pool dealer.
6. Carefully clean all sealing surfaces on the light housing and lens using a clean, lint-free cloth. It is recommended that the lens o-ring be replaced as a part of routine maintenance when the bulb is changed.
7. Silicone lubricate the lens o-ring and place it into the groove provided in the light housing. Press the lens firmly into place.

8. Install the **LensLok™** retaining ring. Place one end of the **LensLok™** into the groove between the lens and the face ring. Working around the ring toward the other end, use your thumbs to press the **LensLok™** into place. Be certain that the **LensLok™** retaining ring is completely seated before reinstalling light into niche.
9. Mount light assembly in the niche as directed in the light installation section.

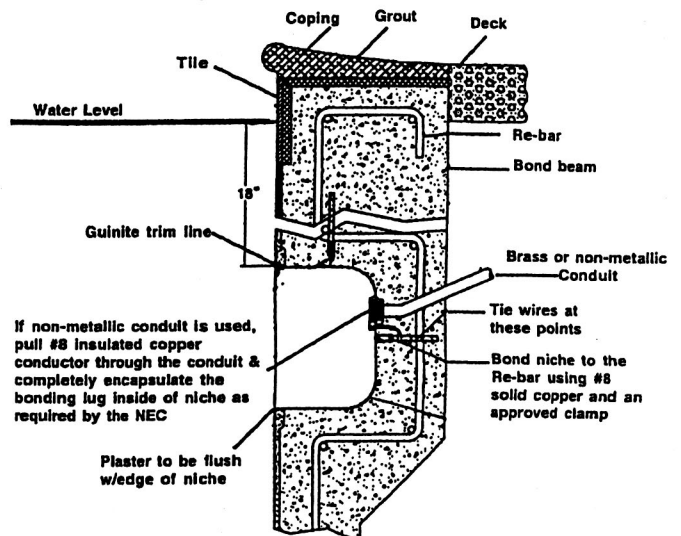


FIGURE #3

NICHE INSTALLATION - GUNITE WALL

SEE FIGURE #3

1. Position and secure the niche to the pool wall rebar with the label “**TOP**” located at 12 o'clock.
2. Connect wiring conduit to the factory installed brass conduit fitting on the back of the niche.

Note: The uppermost point of the light lens must be at least 18” below the minimum water level.

Brass conduit - Secure a #8 solid copper of the niche. The wire should then be attached to the steel structure of the pool and to the conduit using an approved direct burial cold water clamp.

Rigid, non-metallic conduit - A #8 solid or standard insulated copper wire will be required to run in the conduit connected at one end to the bonding lug inside the niche and to the junction box at the other. If non-metallic conduit is used, completely encapsulate the inside bonding lug with an approved material by the National Electric Code.

3. Apply plaster around the niche bringing it flush with the gunite flange.
4. The niche is now ready for light installation.

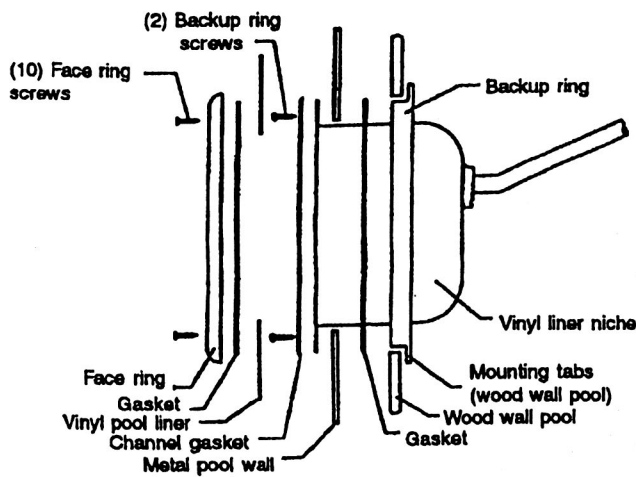


FIGURE #4

NICHE INSTALLATION -VINYL LINED WALL

SEE FIGURE #4

1. Mark the location of the hole (12-1/4" to 12-1/2" diameter) to be cut in the pool wall if not factory punched. Note: The uppermost point of the lens must be at least 18" below the minimum water level. Cut along the marked circle.
2. Insert the niche through the hole in the panel section from the inside of the pool.
3. The vinyl liner niche features a factory installed "channel gasket" to facilitate instal-

lation and ensure proper sealing. Position the niche assembly so the word "TOP" (stamped in the channel gasket) is at the 12 o'clock position. Using the niche as a pattern, mark the top and bottom screw locations. Remove the niche and drill the screw holes using a 1/4" drill bit. Reinsert the light niche. Align the holes in the "back-up ring" with those in the niche flange and the pool wall. Secure the niche using (2) pan head screws through the niche flange holes at the top and bottom (12 and 6 o'clock) through the pool wall panel, a niche gasket and into the back-up ring.

4. Install the vinyl liner per manufacturer's instructions.
5. Position the second gasket and face ring over the liner aligning the (10) mounting holes and pierce the liner at each hole location. Tightly secure the assembly using provided flat head screws.
6. Connect wiring conduit to the factory installed brass conduit fitting on the back of the niche.

Brass conduit - Secure a #8 solid copper ground wire to the bonding lug on the back of the niche. The wire should then be attached to the steel structure of the pool and to the conduit using an approved direct burial cold water clamp.

Rigid, non-metallic conduit - A #8 solid or stranded insulated copper wire will be required to run in the conduit connected at one end to the bonding lug inside the niche and to the junction box at the other. Completely encapsulate the inside bonding lug with an approved material by the National Electric Code.

7. Trim the liner from inside the niche opening per manufacturer's instructio
8. The niche is now ready for light installation.

The NEC requires that fixtures must be installed so that the fixture lens is at least 18" below normal water level. The junction box shall be located at least 8" above maximum water level, pool deck or ground, whichever is greater. The junction box shall be located not less than 4 ft. from the perimeter of the pool, unless separated from the pool by a fence, wall or other permanent barrier. Junction boxes mounted above grade in the walkway around the pool shall be afforded additional protection by locating them in such places as under a diving board, adjacent to fixed structures, etc. Check local codes to assure acceptance.

LIGHT/NICHE REPAIR PARTS

E-1699

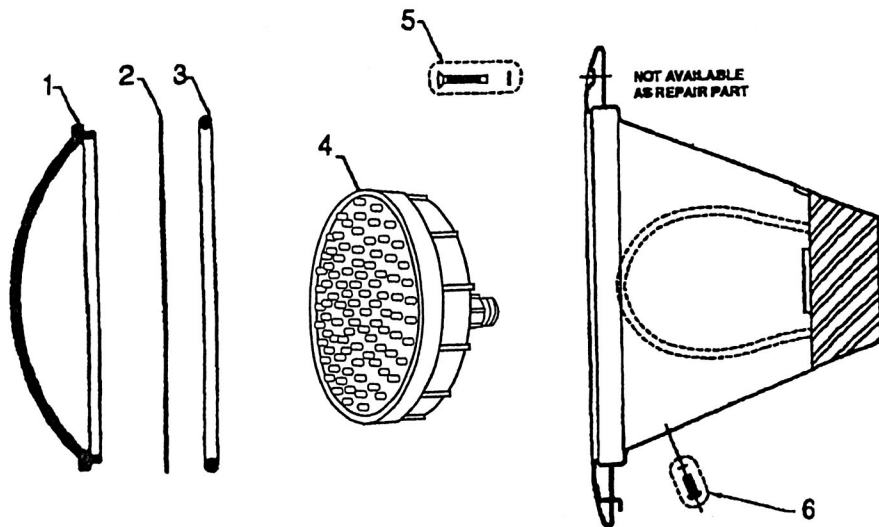
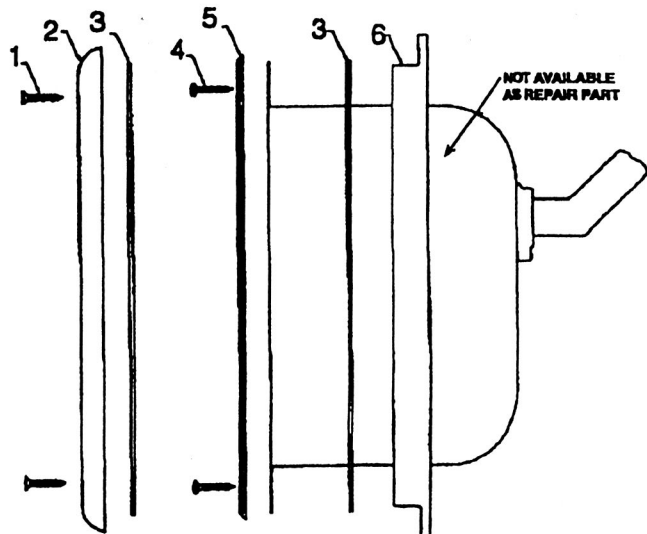


FIG. NO.	PART NO.	DESCRIPTION
1	23-4921-01-R	Lens
2	23-4911-94-R	LensLok retainer ring
3	47-0442-33-R	O-Ring
4	IGP-231-12	12V LED Lamp
	IGP-231-120	120V LED Lamp
5	14-4316-99-R	Pilot screw w/ retainer
6	14-4339-99-R	Vacuum relief screw w/ o-ring

FIG. NO.	PART NO.	DESCRIPTION
1	14-4383-03-R	Face ring screw kit
2	23-4927-05-R	VL face ring
3	13-0114-08-R	VL stamped gasket
4	14-4337-00-R	Backup ring screw kit
5	13-0115-07-R	VL channel gasket
6	23-4926-06-R	VL backup ring



WARRANTY: Super Vision® International, Inc. warrants its products, excluding lamps, to be free from defects in material and/or workmanship, under normal use, conditions and service, for a period of ONE YEAR (LED lamp IGP-231-12 and IGP-231-120, 1 year warranty) from the date of original purchase. In the event of a defect in material or workmanship during the warranty period, Super Vision® will repair or replace (at its discretion) its products under the conditions of the Warranty. SuperVision® will do so at its expense for the materials but not for shipping. This remedy is the sole and exclusive remedy for any and all claims relating to any breach of warranty by Super Vision®. Limitations, exclusions and other rights: 1.) Except as provided herein, SuperVision® makes no other warranties, expressed or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose, as all such warranties are expressly disclaimed. Some states do not allow the exclusion of an implied warranty, so the above exclusion may not apply to you. 2.) Super Vision® is not responsible for defects or malfunctions in and/or damage to Lighting Systems where a sale is specifically made without warranty. In such sales the disclaimers of warranty and liability; set forth above, shall continue to apply. 3.) The Warranty covers normal consumer use and does not cover damage which occurs in shipment or damage or failure which results from alteration, accident, theft, misuse, abuse, abnormal use, negligent installation, improper maintenance or where adequate care has not been taken to prevent damage to the Lighting System. 4.) This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If you discover a defect or malfunction during the period to which this Warranty applies, write or phone Super Vision® for information on receiving warranty service.



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