



Instruction Manual

for Swimming Pool Light

HQUA-PN01

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HQUA Technical Support Team At TX

Section 1 Safety Information

Electrical Safety

Negligence to these instructions may result in serious injury or death.

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 due to the electrical shock.

Grounding Plug

- This product must be grounded to reduce the risk of electrical shock. The system is equipped with a grounding plug. This product is equipped with a cord having a grounding wire with an appropriate grounding plug.
- The plug must be plugged into a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.
- When used outdoors, install only to a covered Class A GFCI protected receptacle that is weatherproof with the power unit connected to the receptacle. If one is not provided, contact a qualified electrician for proper installation. Ensure that the power unit and cord do not interfere with completely closing the receptacle cover.
- Do not use an appliance leakage current interrupter (ALCI) in place of a GFCI since the ALCI will not protect people.
- Do not use extension cords, timers, plug adaptors or converter plugs to connect unit to electric supply; provide a properly located outlet.

Electric Shock

- To reduce the risk of electric shock, do not open the light when someone is in the pool.
- Do not throw, drop or drag the product heavily.

Safety Information

- Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.
- Do not drown the transformer into the water. But it is IP67 and weatherproof.
- Do not operate the product if transformer housing is cracked or showing water leakage; remove from pool or water immediately.
- Do not try to repair the LED light or transformer on your own.
- Do try to open the connector between the plug and the transformer. Figure 1.
- Do not disassemble the lens of the LED light or try to remove or damage the waterproof on the surface of LEDs. Figure 2.



Figure 1.



Figure 2.

Other Cautions

- Do not stare directly at the light emitted by this product. Long-term gaze may result in glare and other eye diseases.

Section 2 General Information

HQUA-SP-PN01 is a swimming pool led light, which is very easy to install and safety. It could easily fit for your old wet niche (light fixture). Replace it with this LED light and face ring. The output voltage is 12V DC, which is not harmful for human body at all. It could provide enough light equal to the 300W incandescent bulb.

Hereby, we will introduce the structure, specification and installation of the unit.

2.1 System Components

Weatherproof Transformer HLG-40H-15A with 3-pin Plug, UL listed



Full Waterproof LED light Assembly with 100' cord and Face Ring



2.2 Specification

Item Name	Wattage	Volts	Luminous flux	Color	Max Voltage
SP-PN01	36W	110V	3000lm	Cool White	12V

2.3 Installation

Precaution

Keep people out of the swimming pool when you operate the installation.

Always turn off the main electrical switch or circuit breaker.

Power Notice: Our transformer works by converting from 120V AC to 12V DC and pass through 100' electric cord and light the LED light. You could also leave our transformer behind if you have 12V DC power that could serve the led light. But you might need to consider of the voltage drop of the electric cord depending how long you use it.

120V
AC IN



12V
DC IN



General Information

1. Remove the old face ring, then remove the light assembly from the niche. Put the face ring and the light on the pool deck.
2. A. If you want to use the old electric cord. We provide a waterproof connector (Figure 3.) that would help you connect the old electric cord with our led light. You could remain 5-10 ft electric cords behind our led light. **(White is positive; Black is negative)**
B. If you want to use our new led light. Cut off the old electric cord behind the old one. Use a fish tape reel puller to remove the old electric cords and replace new cords. **(you might need to disconnect the connector on the 100' cords side first, Please don't disassemble the connector on the input electric cord. Figure 1.)**
Reserve enough cords on the pool side so you could replace the light in the future. (We would provide light assembly and waterproof connector as a replacement kit. The customer could just replace the led light without replacing the whole electric cord which is in a good condition. Contact us through email if you want it.)
3. Using a rag to dry the water on the electric cord. Connect the transformer with the new electric cord through a waterproof connector Figure 3. **Fit the white cord into the Terminal "1"(the red buckle) and the black cord into the Terminal "2"(the blue buckle).**



Figure 3.

4. Roll remain electric cords around the led light assembly, put it into the wet niche.
Screw on the face ring to secure the light assembly into the niche. Figure 4.



Figure 4.

5. Plug the transformer into the socket and switch on the main switch or circuit breaker to the system. Test the led light with no one in the swimming pool. The led light should illuminate when the power is applied. If not, please shut off the power supply and recheck the installation from step 1.

Notice:

If you want to connect the LED light without using our 100' cords. You could cut and strip it at a distance from the LED light. And use our waterproof connector which provided in the package to fix that with your old electric cords and power supply. But make sure it would be 12V DC IN. 120V AC would destroy the light. That would not be contained in our warranty if it happens by mistake.

Section 3 Troubleshooting

Problem	Cause	Solution
There is water inside the light.	It is acceptable and safety.	Don't need any particular move to deal with it. Special waterproof material will protect it.
The LED pool light does not light up at the beginning.	No power supply.	Check the receptacle first to see if the electricity is available
	Wrong Connection.	Check the connection part in step 4 to see if the wires are wrong connected due the wrong color.
	The LED pool light is damaged somehow.	Contact HQUA for more help.
The LED pool light does not light up after a few time using.	The power cord is loose.	Check the wiring connection first without power supplying.
	The GFCI is tripped.	Contact HQUA for more help.

Section 4 After-Sales Service

If you need any support, or have questions about the system, please contact our Technical Support team via hqua.tech@gmail.com and we will be glad to assist you. We sincerely hope that you enjoy the benefits of bright and safe pool illumination after the installation of HQUA inground swimming pool light.

Our Commitment

Specific Warranty Coverage

3-Year Limited Warranty for the HLG-40H-15A transformer and power supply.

HQUA warrants that the **transformer** of PN01 product is free from defects of material and workmanship for a period of 3 years from the date of purchase. During this period, HQUA will repair or replace, at its option, any defective HQUA transformer. Please return the defective part to your dealer for claim.

2-Year Limited Warranty for LED pool light

HQUA warrants that the LED pool light is free from defects of material and workmanship for a period of 2 years from the date of purchase. During this period, HQUA will repair or replace, at its option, any defective parts covered by the warranty. Please return the defective part to your dealer for claim.

General Conditions and Limitations

None of the above warranties covers damage caused by improper use or maintenance, accidents, acts of God or minor scratches/imperfections that do not materially impair the product operation. The warranties do not cover products that are not installed as described in the applicable User Manual either. Parts repaired or replaced under these warranties will be covered up to the end of applicable warranty period.

The above warranties include the cost of shipment and handling of returned items. The limited warranties described above are the only warranties applicable to the HQUA series products. These limited warranties outline the exclusive remedy for all claims based on a failure or defect of any the products, whether the claim is based on contract, tort (including negligence), strict liability or otherwise. These warranties are in lieu of all others regardless of written, oral, implied or statutory ones. Without limitation, no warranty of merchantability or of fitness for a particular purpose shall apply to any of these products.

Part Number List

Part Number	Description
PN01LL	Led Light Assembly 6500K,35W,12V DC
PN01PC	Weatherproof Transformer HLG-40H-15A
PN01EC	2C×18 AWG,100' Weatherproof Electric Cord
Accessories	
PN1001	#10-24 x 1-1/4 in. Phillips Flat Head Stainless Steel Sheet Metal Screw
PN1002	10" face ring
PN1003	2C 18AWG Waterproof Connector

Version No.20200101

HQUA Technical Support Team At NY

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