

⚠ WARNING

Be sure power is OFF before installing or removing lamp. Allow lamp to cool before replacing. Do Not touch lamp with bare hand, it may severely reduce its life.

- <5> If only replace a lamp, follow step 1 and 2 above, then place the light face down on the deck on a flat soft clean surface. Take care not to scratch the lens.
- <6> Loosen (do not remover) the screws on the back of the lights. To remove the lens and lens gasket, gently pull on the tabs located around the perimeter of the lens gasket.
- <7> Remove the old lamp and install the new one. Take care not to touch the bulb with bare hands.

⚠ NOTE

Select proper lamp for 12 volt.

⚠ WARNING

Always install a new lens gasket, whenever reassembling the light. Failure to do so may permit water to leak into the assembly which could cause. An electrical hazard resulting in death or serious injury to pool users, installer, or other due to electrical shock, or breakage of the lamp or lens, which likewise could result in serious injury to pool user, installers, or bystanders, or in damage to property.

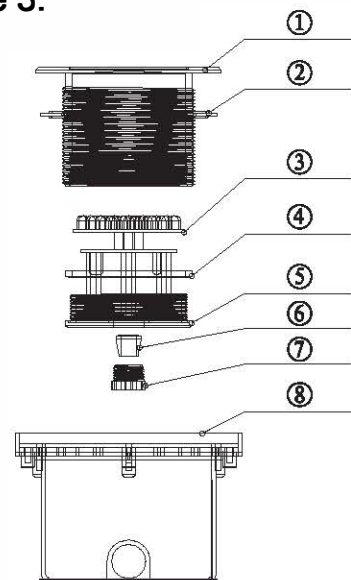
- <8> Reinstall the lens gasket, lens and plastic face ring.
- <9> Press the lights down lightly to secure in place and secure the light onto the Niche.

⚠ ATTENTION

The safety isolating transformer must meet the standard of EN61558-2-6.

III. Replacement Parts

The following steps should be operated by pool owner or professionals. See Figure 3.

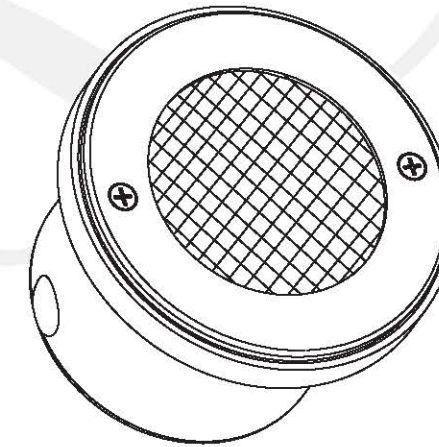


Description	
①	Front Cover
②	Gasket
③	Led Lamp
④	O' Ring
⑤	Back Cover
⑥	Seal ring
⑦	Screw Nut
⑧	Niche

<Figure3>

WL-QMC SERIES UNDERWATER LIGHTS OPERATING INSTRUCTION

MODEL: WL-QMC-LED036HB WL-QMC-LED036HC
WL-QMC-LED060HB WL-QMC-LED060HC
WL-QMC-LED072HB WL-QMC-LED072HC



ISO9001:2008

⚠ CAUTION

RISK OF ELECTRICAL SHOCK OR ELECTROCUTION

This underwater light must be installed by a licensed or certified electrician 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, installer, or other due to electrical shocks, and may also cause damage to property. Read and follow the specific instructions below.

⚠ WARNING

Before installing this underwater light, read and follow all warning notices and instructions accompanying with this light. Otherwise it will result in severe injury, death, or property damage.

⚠ ATTENTION

IMPORTANT NOTICE

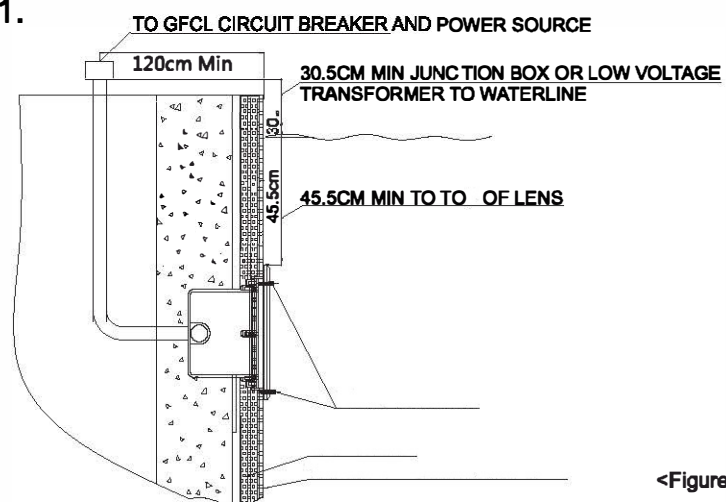
This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

(Read and Follow all the instructions)

I. Installation

A. Preparatory steps which must be completed by the electrician before lights installed.

See Figure 1.



<Figure1>

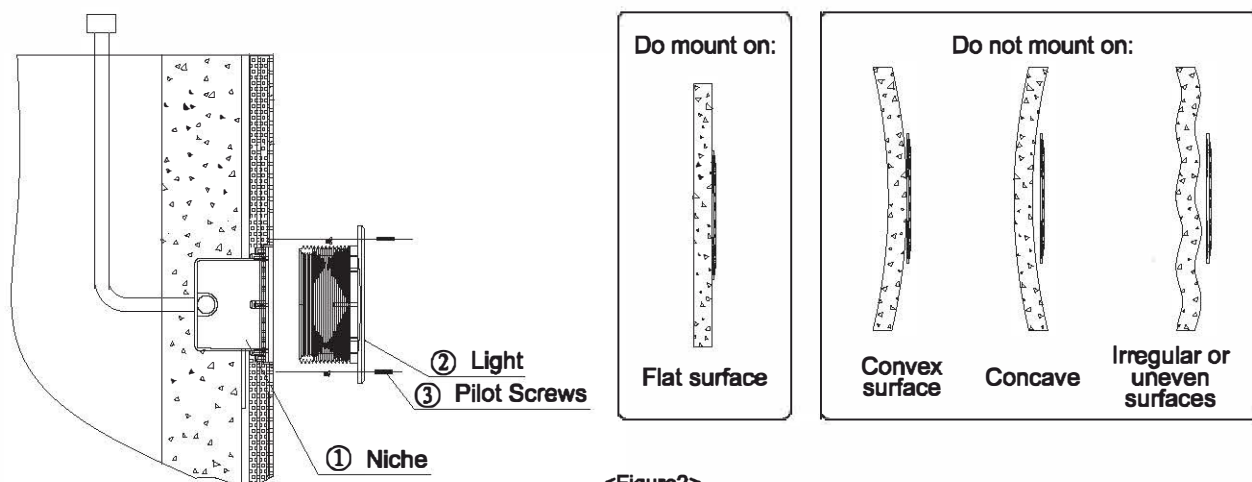
<1> Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical code are listed below.

- a. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI), and must have an appropriately rated circuit breaker, and its ground resistance should be no more than 0.1Ω , and the working voltage should be no more than 12V.
- b. The Junction Box (or 12 Volt models, the low voltage transformer) must be located at least 30.5cm above the water level, 10 cm from the ground and at least 120cm from the edge of the pool. See Figure 1.
- c. The light niche must be properly installed so that the top edge of the underwater light's lens is at least 45.5 cm below the surface of the water in the pool.

<2> To be certain that pool's electrical system meets all applicable requirements, you should also consult the local building department.

B. The following are steps to perform after the electrical system requirements met.

See Figure 2.



<Figure2>

- <1> Locate position on a vertical wall where light is to be installed. The top of the light face ring must be 45.5 CM below normal water level as required by National Electrical Code. Assembly holes located at the top and bottom of the light face plate. (Use two screws to fix the lamp).
- <2> Position the Niche with the word "TOP" at the top, must be secured and insure the niche will not move when placing of concrete, Then connect Rigid Conduit to the Niche.
- <3> If pool surface is to be plastered, you must allow proper concrete cutback for plaster thickness. Finish concrete surface must be flush with area of face ring.
- <4> Wrap a length of the cord up to a maximum of 1.5m long on the back of the light assembly. Wind a maximum of three wraps of cord so the last wrap stops at the top of the light. This extra cord allows you to bring the light out of the pool to install a new lamp and for servicing.
- <5> Connect electrical wires at Junction box through conduit, be careful not to pull the 75mm-80mm of slack cable at the light through the conduit when connection the wires. All wiring should be connected to a Class A Ground Fault Circuit Interrupter (GFCI), in accordance with electrical codes.
- <6> Connect all wires to the corresponding circuit wires in the junction box and secure the junction box cover in place.

⚠ WARNING

Only use perfect, high quality stainless steel screws, or there might be serious rust at the screws, even the light, this might reduce light lifetime. Suggest using our equipped screws.

⚠ WARNING

Never operate this light for more than 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 lamp or lens. This may result in serious injury to pool users, installer, or bystanders, or in damage to property.

<7> Before operation the light for more than 10 seconds fill pool until the pool light is completely submerged in the water. To check for proper operation, turn on main switch or circuit breaker, as well as the switch which operates the light.

<8> The flexible cable of this light can't be replaced, if the cable is damaged, the light shall be destroyed.

II. Replacing Light or a lamp in existing pools

Always disconnect power to the pool light before servicing the light. Failure to do could result in electrical shock, which may cause serious damages to swimmers, installer or others.

⚠ CAUTION

- <1> Turn off main electrical switch or circuit breaker, as well as the switch which operates the light.
- <2> To remove light assembly, remove the screw; remove light assembly from the Niche, and place assembly on deck. Take care not to scratch the lens.
- <3> Remove junction box cover, disconnect the light fixture wires, and pull the cable through the conduit.
- <4> Feed the new light fixture cable through the conduit to the junction box. Then install the replaced lights as the steps of new light's installation.