

POOL LITE LUMINAIRES INSTALLATION INSTRUCTIONS



NOTE: THESE INSTRUCTIONS MUST NOT CONTRAVENE YOUR LOCAL ELECTRICAL AUTHORITY REGULATIONS, WITH WHICH ALL INSTALLATIONS HERE IN MUST COMPLY. PLEASE KEEP INSTRUCTIONS FOR FUTURE REFERENCE.

1) Fibre Glass Swimming Pools - Cut a 3 3/8" hole in the pool wall at the desired level. Mount the canister in the hole, use an appropriate sealant that will bond to fibre glass and the PVC canister (the pool wall can be up to 3/4" thick) and fix the canister in place by the securing nut provided.

2) Existing Concrete Pools - Cut a 3 3/8" hole in the concrete wall. Apply epoxy around the hole and fix the canister by the three mounting holes in the flange using stainless steel screws provided. The canister flange is then seated on the surface of the pool wall and when the luminaires is in place the flange of the luminaires hides the canister flange.

3) New Concrete Pools - Apply PVC cement to the PVC canister and roll it in sand, this creates a key for the plaster / cement to adhere to the canister. Use the holes in the securing nut to wire the PVC canister to the metal reinforcing. The canister is then plastered / concreted into position completely encapsulating the PVC canister on all sides except the opening where the luminaires fits into. The flange should then be flush with the wall of the pool. The design of the PVC canister allows tiles to be laid over the canister flange and the stainless steel luminaires will fit flush against the tiles.

Electrical Connection A 1/2" rigid conduit is inserted into the conduit entry at the rear of the mounting canister using PVC solvent cement to make a water tight joint. As the luminaire is inserted into the canister water is pushed up the conduit, the cable connection is to be terminated above the water level to stop water getting into the junction point. A transformer with fuse protection (not thermal protection) on the extra low voltage output side should be used (the HUNZA™ Wall Mount Pool series is recommended). Refer to your Local Electrical Authority Regulations regarding details of pool zone installation regulations.

Warning: Do not operate luminaire when pool is empty. Heat may damage the PVC mounting canister.

WARNING: POTENTIAL SHOCK HAZARD. CONNECT ONLY TO POWER SUPPLY CERTIFIED FOR USE WITH NICHELESS SUBMERSIBLE LUMINAIRES.

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 lens opening not less than 18 inches (457mm) below the normal water level of the pool.

ATTENTION: 316 Stainless Steel Properties

Please read the following carefully, this is to bring to your attention a number of important points pertaining to the properties of 316 stainless steel.

1). 316 Stainless is suitable for use in water with a level of Chlorine (which is dissolved gas in water) of up to 3 parts per million. The chlorine is there to inhibit biological build up in the water.

2). 316 Stainless is suitable for use in water with a level of chloride of up to 1000 parts per million and a pH level of 7.

3). The corrosion factor may double for each 10 degrees of water temperature increase.

4). In the first week after the pool is filled the chemical concentration is often increased to over five times normal level. After the first week the chemicals are allowed to return to normal levels. Therefore corrosion of the luminaire is likely to be severe during this period. This can be averted by removing the luminaire from its mounting canister and placing it out of the water until the chemical level returns to normal.

5). If corrosion occurs and it is not severe the staining may be removed with fresh water and detergent, if the detergent does not remove the staining then a product such as Jenolite can be used. Jenolite is a phosphoric acid solution and should be used with caution! The manufacturers commendations must be followed carefully.

6). If you are NOT certain that the chemical level will remain below the specified levels stated above after the initial set up period an electropolished version is available. Electropolishing may increase the corrosion resistance of the luminaire by 33%.

LAMP CHANGING

CAUTION: Make sure that the power to the luminaire is switched off before attempting to change the lamp.

Beware of hot luminaire and lamp. Make absolutely sure when changing lamps that the correct wattage lamp is installed. Incorrect wattage lamps may cause the transformers to overload.

Lamp Changing Sequence (MR16)

Only use open faced lamps, not glass covered lamps, as glass covered lamps may cause luminaire to leak. Unscrew flange, remove gasket and lens. Pull lamp forward until the ceramic lamp holder appears. Hold lamp holder in one hand and remove lamp with other hand very carefully. Do not touch the glass capsule in the middle of the reflector when pushing the lamp back into the ceramic lamp holder. When replacing gasket and lens, make sure there is no dirt or grit on the gasket. Dirt or grit on the gasket may cause luminaire to leak.

Gasket and lens sequence

Place lens on top of lamp and put orange gasket on top of lens. Screw on flange. It is recommended that high quality lamps are used when replacing lamps. Do not over tighten flange as this will make removal difficult and may cause lamp to break.

