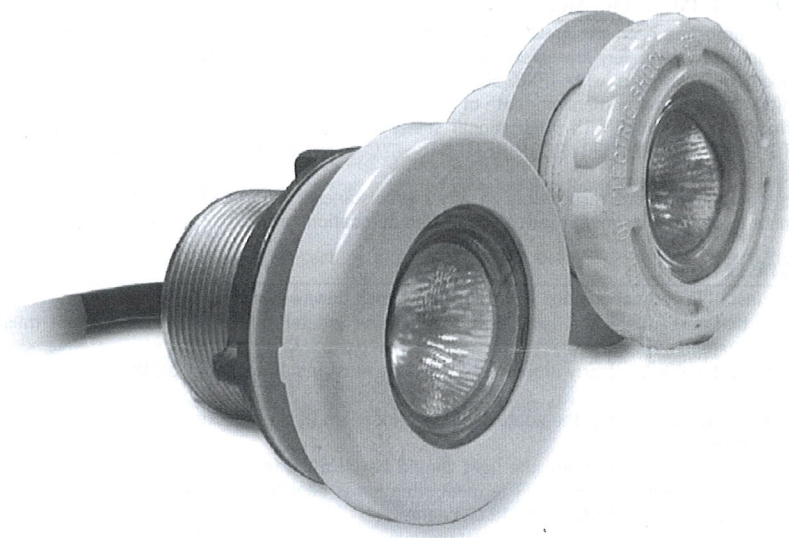


"MINI" LIGHT FOR SPAS
PROJECTEUR "MINI" POUR SPAS
PROYECTOR "MINI" PARA SPAS
FARO "MINI" PER SPA
MINI-SCHINWERFER FÜR WHIRPOOLS
PROJECTOR "MINI" PARA SPAS



CE



INSTALLATION AND MAINTENANCE MANUAL
MANUEL D'INSTALLATION ET D'ENTRETIEN
MANUAL DE INSTALACIÓN Y MANTENIMIENTO
MANUALE DI INSTALAZIONE E MANUTENZIONE
EINBAU-UND BETRIEBSANLEITUNG
MANUAL DE INSTRUÇÕES E MANUNTENÇÃO

IMPORTANT: The instruction manual you are holding includes essential information on the safety measures to be implemented for installation and start-up. Therefore, the installer as well as the user must read the instructions before beginning installation and start-up.
Keep this manual for future reference.

To achieve optimum performance of the Mini light for SPAS., follow the instructions provided below:

1. VERIFY THE CONTENTS OF THE PACKING:

The following accessories are included inside the box:

Mini light for SPAS.

- Floodlamp unit
- Installation and maintenance manual

2. GENERAL CHARACTERISTICS:

This floodlamp has been designed to be used fully submerged underwater in fresh water SPAS. It is a Class III electric apparatus with very low safety voltage (12 V with alternating current).

The floodlamp complies with IPX8 degree of protection (resistance to penetration of dust, solid bodies and humidity) at a nominal immersion depth of 2 m.

This floodlamp complies with international safety standards for lights, especially the EN 60598-2-18 standard: LIGHTS PART 2: SPECIFIC REQUIREMENTS SECTION 18 LIGHTS FOR SWIMMING POOLS AND SIMILAR APPLICATIONS.

The manufacturer is not responsible in any circumstances for assembly, installation or start-up of any electric components which have been inserted or handled at locations other than its own premises.

3. INSTALLATION:

- Never install in vertical position with the lamp facing downwards.
- Ensure that the voltage the lamp receives is never greater than 12 V. The current must be supplied by an S.E.L.V. transformer and protected by a correctly rated E.L.C.B. (Fig. 1).
- In order to be able to clearly illuminate SPAS one must install a spot of 50 W halogen for every 10 m² of surface water.
- In order to avoid blinding, the spots should be installed in the direction opposite to the house or the usual sight of the SPAS.
- For case of changing the bulb, the light should be installed in an area accessible either from the upper edge of the SPAS or from behind SPAS. The ideal situation is near the top edge of the pool so that there is no need to empty the pool when the bulb has to be changed.
- The light can only operate when completely immersed in water and fixed in the vertical walls of the SPAS. Never switch on the light when it is not immersed in water.

Prior to installation verify that the gland seal has been fully tightened.

4. ASSEMBLY:

INSTALLATION FOR SPAS

This light is manufactured for installation in SPAS and metal or polyester bath-tubs. It does not require a niche or guiding tube for its installation.

1. The light should be installed at approximately 400 mm below the water-level of the SPAS and in a place where it can not easily be covered by the body of a person. Install it preferably in the wall of the steps at the entrance of the SPAS (Fig.2).
2. With the use of a drill make a round hole a diameter of 60,5 mm in a the wall of SPAS (Fig. 3).
3. Place the rubber gasket and the light inside the SPAS.
4. Place the nut of 2" on the back-part of the body of the SAPS. Fixing the nut to the body of the light (Fig. 3).

ASSEMBLY INSTRUCTIONS WITH WALL CONDUIT

1. Install the wall conduit in the concrete wall, at a distance of 400-700 mm below the water level (Fig. 2).
2. The wall conduit must be extended with a cable conduit the length of which remains above the maximum level of the swimming pool or SPAS (Fig. 8).
3. Feed the light cable through the conduit (Fig. 9). Leave sufficient cable to allow the floodlamp to be pulled out as far as the top of the swimming pool.
4. Then fit the light itself, fixing the body of the light in the wall conduit (Fig. 10).