

INSTRUCTION MANUAL FOR UNDERWATER LED LIGHT MODEL 170XX



Professional
POOL PRODUCTS

IMPORTANT: This manual 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 these instructions before beginning installation and start-up.

To achieve optimum performance, follow the instructions indicated below:

1. VERIFY THE CONTENTS OF THE PACKING:

The following items are included inside the box:

Plastic Models 170PC/170PW

Lamp Assembly x 1
Underwater cable gland x 1
Stainless steel screws x 2
Roll plugs x 2
Heat shrinks x 2
Silicone tubes x 2
Rubber Insets x 2

Stainless Steel Models 170SC/170SW

Lamp Assembly x 1
Underwater cable gland x1
Stainless steel screws x 2
Roll plugs x 2
Heat Shrinks x 2
Silicone tubes x 2

2. GENERAL CHARACTERISTICS AND INFORMATION:

- This is an underwater light; and must be used/operated while fully submerged underwater **only**.
- This lamp is designed to be fixed in new pools and/or pools with existing surface mounted lamps that need replacement.
- This lamp is designed to be used only once. Should it become defective, repair is impossible, and replacement is necessary.
- This lamp will **not** fit into a PAR56 niche.
- In order to clearly illuminate a pool it is recommended to install one of these lamps for every 10-15m² of water surface.
- The manufacturer is not responsible in any circumstances for assembly, installation or start-up of any electric components that have been inserted or handled at locations other than its own premises.

3. INSTALLATION:

- All lamps should be placed on the wall of the pool at approximately 500mm below the water surface, in areas that are easily accessible from the upper edge of the pool.
- It is highly recommended to use the underwater cable gland (provided).
- All lamps should be installed on the same transformer and switch.
- The lamp is supplied with 4m of cable, making it possible to install multiple lamps connected to a single junction box.

Prior to concreting, place a ¾" threaded female adaptor 500-700mm below water surface level, making sure the face of the adaptor is fixed flush against the future finished wall level of your pool interior. This socket will be used for fixing the underwater gland (provided) for a watertight installation.

Pass the electrical cable through the gland assembly, into the adaptor/conduit, up until it reaches the junction box located on the deck. Now you may fully tighten the seal nut into the gland while keeping approx 45cm of cable free, which can easily be wound behind the lamp during installation.

Place the lamp over the desired location, mark the holes, drill with a 6mm Ø bit, insert the two anchor plugs, wind the cable behind the lamp, fasten using the two stainless steel screws provided and plug these holes using the rubber inserts.

4. MAINTENANCE & REPLACEMENT:

There is no maintenance required for this lamp – it is designed to be used only once, meaning replacement is necessary if it becomes defective (repairing is impossible).

Before any handling, ensure that there is NO voltage supplied to the lamp. To replace, remove the two rubber inserts using a small flathead screwdriver and unfasten the two stainless steel screws.

Ensure the new lamp is of the same model and characteristics as the one being replaced. In order to ensure full water-tightness, clean the seat of the cable gland and fully tighten the nut.

5. START-UP:

- Ensure that the voltage going into the lamp is **never greater than 12V**.
- The lamp should only operate underwater while secured to the vertical walls of the pool. **Never switch on the lamp if it is not underwater.**
- To achieve synchronization, confirm all lamps are installed correctly, switch on lights, hold for 10 seconds, switch off for 5 seconds, and then finally turn them on again. Repeat until all lights are in sync.
- In case of colored lamps, 16 pre-programmed effects and combinations may be selected using the on/off switch of your pool lights.
- Alternatively, we recommend using our optional step-down transformer which comes with (a) remote control for easy operation and (b) two auxiliary connection for operation of any other electrical item.

6. SAFETY WARNINGS:

- The persons who are in charge of installation should have the required qualifications for this type of work.
- Avoid making contact with the electric voltage.
- Comply with the current standards regarding accident prevention.
- IEC 364-7-702 standards must be observed: WIRING IN BUILDINGS, SPECIAL WIRING, SWIMMING POOLS.
- Lamp replacement must be performed with the lamp disconnected from the electric power system.
- Do not handle any electrical components with wet feet.

7. TECH SPECS:

Input Voltage:	12V
Output Wattage:	18W (RGB) & 20W (Double White)
Number of bulbs:	288 total (RGB 96 each color & Double White 144 each color)
Life:	Approximately 50,000 hours

8. MORE INFORMATION:

For more information on this product, installation guides and maintenance procedures, please visit www.propoolpro.com

Professional Pool Products reserves the right to alter this document as and when necessary, without prior notice.