Instruction Manual for 1−1/2" fitting LED Pool light

Ø 160 mm − Ø 220 mm

Description

LED Pool light for nozzle of pool, with threaded connection for nozzles 1-1/2" and (If with adapter) for nozzles 2" (inlet)

Available in 2 size versions: with external diameter of the frame 160 mm and of 220 mm.

Available in 2 thread versions: short thread version for concrete & fiber glass pools . long thread version for .vinyl liner pools.

Available in color versions: white, white/blue and RGB (color).

Frame: Colorful plastic frame / 316Lstainless steel . Body :Anti-UV polycarbonate. Inner: fully resin filled .

The lamp is supplied with cable of 2m, 4m, 6m, 10m, 15m 20m or 30m according to the need of the user, making it possible to install multiple lamps connected to a single junction box.

Technical Features

Standard input voltage: 12V (AC/DC for single color, AC only for RGB color)

Use life: 30,000 hours continuous operation

Color: White or White and Blue, or RGB (16 programs with Synchronization capability)

Power factor: 90% (75% for power 10W).

Protection degree: IP68

Chromatic index CRI: 85%

Input Watt and lumen: **Ø 220 mm** VERSION - LED SMD2835

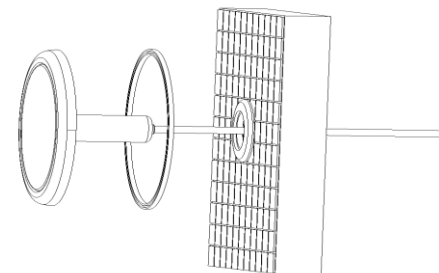|			
WHITE	252 LED - 18W - 1890lm	333 LED - 24W - 2200lm	441 LED - 35W - 2980lm
WHITE/BLUE	252 LED - 18W - 1180lm	333 LED - 24W - 1480lm	441 LED - 35W - 2070lm
RGB	252 LED - 18W - 780lm	333 LED - 24W - 980lm	441 LED - 35W - 1290lm

Input Watt and lumen: **Ø 160 mm** VERSION - LED SMD2835

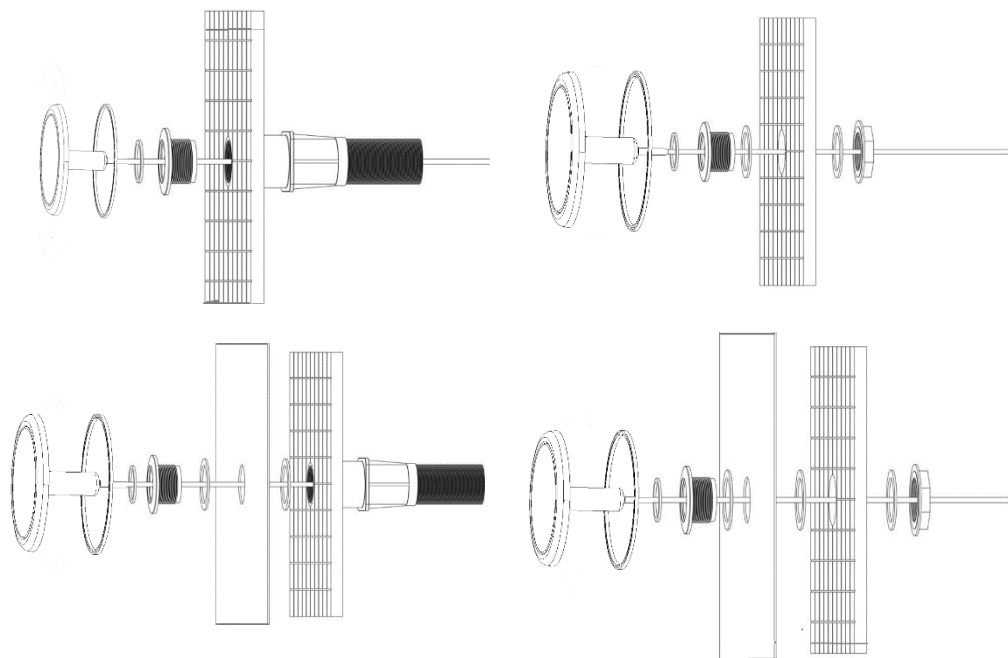|		
WHITE	144 LED - 10W - 1050lm	252 LED - 18W - 1780lm
WHITE/BLUE	144 LED - 10W - 740lm	252 LED - 18W -1100lm
RGB	144 LED - 10W - 505lm	252 LED - 18W - 710lm

Sequence 16 Programs of RGB LED Bulbs

1.Evening sea: slow animation blue/red;   2.Evening rivers: slow animation green/red;

3.Riviera: slow animation blue/green;   4.White: neutral white;

5.Rainbow: slow animation in green/blue/cyan/yellow/purple/RGB/red;

6.River of colors: slow animation in red/green/blue/cyan/yellow/purple/RGB ,followed by program 8;

7.Disco: fast animation ,(fast-slow) followed by program5;

8.Full colors: slow animation in yellow/green/cyan/blue/purple/red;

9.Party: fast animation,(fast-slow) followed by program 6;

10. White: sun white   11. Red: fixed color red; 12. Green: fixed color green; 13. Blue: fixed color blue

14. Green-blue: fixed color green/blue(cyan);   15. Red-green: fixed color red/green(yellow)

16. Blue-red: fixed color blue-red (purple).

Instruction & Use

•This LED pool light for nozzle is designed to be installed in most of the nozzles on the market, both with 2 " external thread (1 ½ " internal thread) and external 2 ½ " thread (with 2" internal thread) ,if use of a special adapter.

•The light should be positioned on the wall of the pool about 700 mm deep with respect to the surface of the water, in an area easily accessible for possible maintenance.

•The light can be fixed on concrete or stone wall pools, thin wall pools, fiberglass wall pools, metal wall pools, or wooden wall pools with liner.

Maintenance & Replacement

There is no maintenance required for this light. It is designed to be used only once, meaning that

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, unfasten the lamp from the nozzle and put a new lamp inside .

Ensure the new lamp is of the same model and characteristics as the one being replaced.

Start-up

• 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.

• In case of colored lamps, 16 pre-programmed effects and combinations may be selected using the on/off

switch of your pool lights. Just switch off and switch on within 3 seconds.

• If the light is powered off for more than 20 seconds, it will keep the latest program when it is turned on

again.**(Memory Function)**

• To achieve synchronization, confirm all lamps are installed correctly on the same switch, after they are

powered off for more than 20 seconds, switch on and switch off continuously 3 times, and then finally

turn them on again. They will all go to program 1. Now you can select a program for them by switch off

and on within 3 seconds .**(Re-set Function)**

• White / blue lamps can work with white or blue light. To switch from one type to another by turn on/off.

Safety Warnings

• **Don't use electronic transformers which may damage the light. You should use industrial**

frequency transformer, such as toroidal transformer and square transformer .

For your security 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: SWIMMING POOLS.

• Replacement must be performed with the lamp disconnected from the electric power system.

• Do not handle any electrical components with wet feet.

Warranty

The manufacturer warrants this LED light underwater against defects in materials and workmanship for a

period of two years from the date of purchase.This warranty does not cover the fixture becoming damaged

due to misuse, accidental damaged, improper handling and/or installation and specifically excludes liability

for direct, incidental or consequential damages.

WARNING: Frequent voltage fluctuations can irreparably damage the lamp.

If the installation must take place in areas where these changes may be frequent, a system to protect the

lamps must be installed on the electric system of the pool.

The manufacturer does not guarantee lamps that have been damaged by these events.

However, faulty lamps with the following faults are not to be considered:

• Lamps with less than 500 LEDs: 3 LEDs off or less.

This defect is part of the normal operation of the lamp.

Relevant directives:

The unit meets the essential requirements of EC directives, it was also built in compliance with the WEEE

directives, and complies with the requirements of European Directive 2002/95/EC(RoHS).

End-of-life care for the electrical device:

The present product is subject to proper disposal at the time of its disposal.

Once discarded, it must be delivered to an appropriate collection point for the

recycling of electrical and electronic equipment.

For more detailed information about the recycling of this product, you can contact the

office of your municipality or the local waste disposal service.