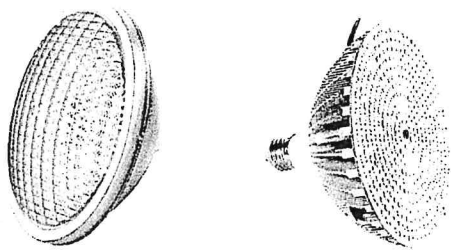


Operation Manual



⚠ ATTENTION INSTALLER: This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner or operator of this equipment. Please read this operation manual carefully and keep it for future reference.

⚠ WARNING: RISK OF ELECTRICAL SHOCK OF ELECTROCUTION. This underwater light must be installed by a licensed or certified electrician or a qualified serviceman in accordance with the requirements of your government standard or local authorities. Improper installation will create an electrical hazard, which could result in death or serious injury to pool or spa users, installers, or others due to electrical shock, 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 this light. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage.

1

INSTALLATION AND OPERATION

1. PAR56 POOL LIGHT LED BULB

This PAR56 pool light LED bulb is designed to replace an existing PAR56 LED bulb. It is fit for an internationally standard PAR56 swimming pool light niche.

⚠ IMPORTANT: Make sure the new bulb is suitable for this underwater light. It is best that the new bulb is with the same specifications as the old bulb.

⚠ IMPORTANT: Check the waterproofing performance of this underwater light every time the light fixture is disassembled. Replace the old waterproof fittings when necessary.

- Unscrew the pilot screw and pull top of the face ring, remove the light assembly from niche and gently place assembly on the deck. It is not necessary to drain down the pool.
- Unscrew the nuts on the back of the light assembly to allow the bottom clamp to be removed from the light fixture. (See Figure 1 and Figure 2)
- Install the new bulb.

① REPLACING A PAR56 BULB

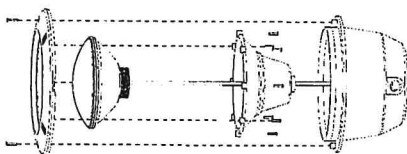


Figure 1

3

⚠ IMPORTANT: Pay attention to the detailed specifications on the packages accompanying this underwater light. Choose corresponding items and methods of operation in accordance with the specifications.

NOTE: This underwater light is designed for use only when fully submerged in fresh water, connecting with a safety transformer.

Only 12 volt or 24 volt low voltage input is suitable for this product, according to its own specifications. A safety transformer is essential when carrying out the installation of this product. Failure to do so may result in the injury, death, and damage of this product.

It is recommended to install a light every 20m², or every 1W (or above) for 1m². Choose corresponding lights in according to the approximate exposure area of each light, and match it with your swimming or spa pool.

PRODUCT APPLICATION:

- Replacing existing swimming pool light bulbs.
- Suitable depth range under the water for light installation: 1~5 meter.
- Maximum water temperature range for light operation: -20°C~38°C.

2

② REPLACING A FLAT LED BULB

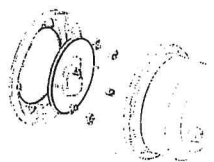


Figure 2



Figure 3

2. E27 POOL LIGHT LED BULB

This E27 pool light LED bulb is designed to replace an existing swimming pool light bulb with an E27 base.

⚠ IMPORTANT: Make sure the new bulb is suitable for this underwater light. It is best that the new bulb is with the same specifications as the old bulb.

- Unscrew the old bulb from the E27 base, keep the other fittings of the light.
- Separate the swimming pool light as shown in Figure 4.
- Install the new LED bulb into the E27 base.

4

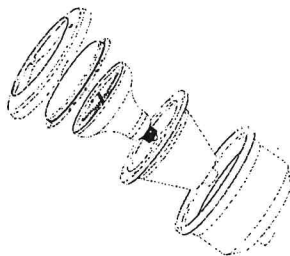


Figure 4

4. TO OPERATE THE LIGHT

4.1 WHITE ONLY, WARM WHITE ONLY, OR OTHER SINGLE COLOR LIGHTS

NOTE: To prevent risk of fire which could result in property damage, and to ensure optimum performance, do not exceed the load factor specified in the instruction provided by the transformer manufacturer.

WHITE ONLY or WARM WHITE ONLY, or any other single color lights are not dimmable, and are not compatible with dimmer switches or dimmer relays. These lights can be wired into a switch to manually turn ON/OFF the lights.

4.2 RGB LIGHTS

IMPORTANT: This section only applies to the RGB lights with 12 volt AC input.

See the table below for the color mode sequence.

1	Blue: static blue	2	Red: static red
3	Green: static green	4	RB: static purple
5	BG: static cyan-blue	6	RG: static yellow
7	RGB: static white	8	RGB gradual change into G/R/B
9	R-RG-R rapid flash	10	G-G-B rapid flash
11	B-RB-R rapid flash	12	RG-GB-RB gradual change
13	R-G-B fast to slow flash	14	R-B-G fast to slow flash
15	Seven colors rapid flash	16	R-G-B gradual change

NOTE: To synchronize several RGB lights to the same color, all lights must be wired into the same transformer, circuit or switch for synchronization to occur.

5. MAINTENANCE, REPLACEMENT, WARRANTY

NOTE: 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. The repairing is impossible.

NOTE: To replace the complete light, unfasten it from the bracket. Make sure the new light is in the same switch.

The warranty is limited to the first retail purchaser, it is not transferable, and does not apply to products that have been moved from their original installation sites. This warranty does not cover failures or malfunctions from improper installation and/or operation.

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.

The user of this underwater light should confirm the warranty period with the seller of this product. When there are any problems during the warranty period, the seller of this product should be the first person you should contact.

IMPORTANT: Check the waterproofing performance of this underwater light every time the light fixture is disassembled. Replace the old waterproof fittings when necessary.

3. OPERATION NOTES

NOTE: The pool electrical system should be verified at least once every month with a pool and spa electrical qualification test kit. This inspection must be performed by a trained and certified personnel.

SAFETY WARNING: Keep any person from contacting or stepping upon the light when it's ON in a pool unless the lens is extra adequately guarded. Otherwise it may cause serious injury to pool users or bystanders or damage to property due to the split of the lens.

SAFETY WARNING: Never operate this underwater light for more than 1 minute unless it is totally submerged in water. Without total submersion, the light could get extremely hot, which may result in serious burns or in breakage of the light or its lens. This may result in serious injury to pool users, installers, or bystanders or damage to property.

TO OPERATE RGB LIGHTS:

a. AUTO CHANGE

Turn the light ON, the 16 pre-programmed color modes will begin to run automatically and cyclically from mode 1 to mode 16, until the light power is off.

NOTE: The first time the light is turned on, the color begins with Blue (mode 1).

b. SELECTING COLOR MODE

To select the color mode, turn the light OFF for one 1.5 seconds. Continue turning OFF and ON until the desired light color mode is reached.

NOTE: When the light is turned OFF for more than 1.5 seconds, it will return to the beginning of the color cycle (mode 1).

NOTE: To synchronize several lights to the same color mode, you will need to reset to the beginning of the color mode sequence. With the lights ON, turn them OFF for more than 5 seconds, then turn ON again. All lights will reset to the Blue (mode 1). If all of the lights are not in the Blue (mode 1), they have not been synchronized, repeat the steps above.

4.3 CONTROLLER

IMPORTANT: This section only applies to the RGB or RGBW lights. Pool users and operators can choose to (or not to) install one (or more) controller to build a fine control system for the lights.

NOTE: The specifications of the controller, especially the input voltage, must be well known by pool users and installers before installation. Failure to do so may cause the injury to person and damage to both the light and controller.