

INSTALLATION AND USER'S GUIDE



Intertek

5031031

Conforms to UL STD. 676

CERTIFIED TO CSA STD. CSA C22.2#89



6 INCH POOL LIGHT

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

IMPORTANT WARNING AND SAFETY INSTRUCTIONS



DANGER

SERIOUS BODILY INJURY OR DEATH CAN RESULT IF THIS LIGHT IS NOT INSTALLED AND USED CORRECTLY.



DANGER

INSTALLERS, POOL OPERATORS AND POOL OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS BEFORE USING THE POOL AND/OR SPA LIGHT.



WARNING

Most states and local codes regulate the construction, installation, and operation of public pools and spas, and the construction of residential pools and spas. It is important to comply with these codes, many of which directly regulate the installation and use of this product. Consult your local building and health codes for more information.



WARNING

IMPORTANT NOTICE - Attention Installer: This Installation and User's Guide ("Guide") contains important information about the installation, operation and safe use of this underwater pool and spa light. This Guide should be given to the owner and/or operator of this equipment.



DANGER

**RISK OF ELECTRICAL SHOCK OR ELECTROCUTION:
UNDERWATER POOL LIGHTS REQUIRE HIGH VOLTAGE WHICH CAN SHOCK, BURN, OR CAUSE DEATH.**

Before working or servicing pool lights, always disconnect power to the pool and/or spa lights at the source circuit breaker. Failure to do so could result in death or serious injury to service person, pool users or others due to electric shock. When installing and using this electrical equipment, basic safety precautions should always be followed.

This underwater light must be installed by a licensed or certified electrician or a qualified pool professional in accordance with the current National Electrical Code (NEC), NFPA 70 or the Canadian Electrical Code (CEC), CSA C22.1. All applicable local installation codes and ordinances must also be adhered to. Improper installation will create an electrical hazard which could result in death or serious injury to installers or others due to electrical shock, and may also cause damage to power source. Always disconnect the power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in serious injury to service person, due to electrical shock.



WARNING

For countries in compliance with International Electrotechnical Commission (IEC) regulatory standards: The light fixture must

be installed by a licensed or certified electrician or a qualified pool service person, in accordance with current IEC 364-7-702 and all applicable local codes and ordinance. Improper installation will create an electrical hazard, which could result in serious injury to the installer or other due to electrical shock and may also cause damage to the property.

12 Color Programs (For RGB/RGBW lights)

1	Red :	Static Red
2	Green :	Static Green
3	Blue :	Static Blue
4	Yellow :	Static Yellow
5	Magenta :	Static Magenta
6	Cyan :	Static Cyan
7	White :	Static White
8	7 Color Blend :	Cycles White - Cyan - Blue - Magenta - Yellow - Red - Green
9	3 Color Jump :	Cycles Light Blue - Blue - Magenta
10	7 Color Gradual :	Cycles Red-White-Cyan-Blue-Magenta-Yellow-Red-Green
11	GB Gradual :	Cycles Green - Blue
12	7 Color Jump :	Cycles White - Yellow - Green - Cyan - Blue - Magenta - Red

Remote Control



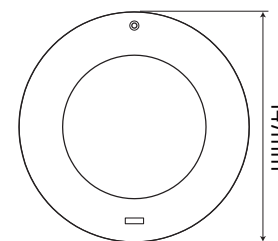
Memorizing the color:

When power is switched off (more than 5 seconds), the last color show mode or fixed color will be saved. The next time the light is powered on, the previously saved color show mode or fixed color will be displayed. (If power is switched "OFF/ON" within 5 seconds, the next color setting will be selected.)

IMPORTANT WARNING AND SAFETY INSTRUCTIONS

IMPORTANT NOTICE: THE LED LIGHT IS A NON-SERVICEABLE LIGHT. THE COMPLETE LIGHT ASSEMBLY MUST BE REPLACED.

SIZE



1) Input voltage is **AC12V**, use only an isolating low voltage power supply with ungrounded output, evaluated for swimming pool use.

2) Before operating the light for more than 10 seconds fill pool until the light is completely submerged in water.

3) Minimum depth 450mm, mounting orientation wall.

INSTALLATION

1. Input voltage is AC12V. The lamps must be connected with transformer.
2. The junction box is located at least 48-inches from the edge of the pool.

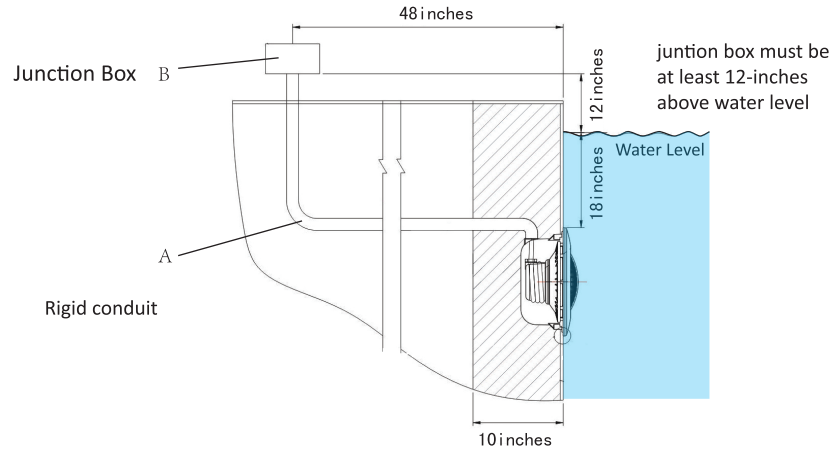


Figure 1

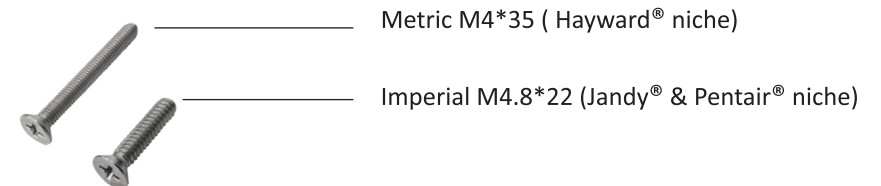
3. The mounting bracket must be properly installed so that the top edge of the light's lens is at least 18-inches below the water level in the pool. see Figure 1.
4. Fit the LED panel into the light frame and secure it using screws.



5. Mount the light fixture onto its existing niche (fits into select Pentair®, Hayward®, and Jandy® models) and secure it in place with the corresponding pilot screw.



6. Screws for different niches.



7. Connect all wires to the corresponding circuit wires in the junction box and seal with epoxy.

8. Before operating the light for more than 10 seconds fill pool until the light is completely submerged in water. *Water must be able to freely flow in/out of the niche, as the light is water-cooled.*

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.