

Underwater Light Installation Manual

►► Recessed Underwater Light ◀◀



(Concrete Pool)



Thank you for choosing our products! In order to achieve satisfactory results, please read this manual carefully before installation to ensure the normal operation and service life of the product. At the same time, please keep this manual for reference when needed.

2.Safety Warning



- 1.Please read the instructions carefully before installation to ensure that you understand all installation steps and precautions. Non-professional technicians, please do not repair or modify this product without authorization.
- 2.During the installation, please keep the power off and wear insulation gloves to ensure safety.
- 3.The light is an IP68 waterproof light, which needs to be placed underwater to work, and can be immersed in an environment up to 5 meters deep.
- 4.It is recommended that the ambient temperature for working of the light should be controlled between -20°C~35°C to ensure the normal service life of the light.
- 5.It is recommended to use it with the power supply provided by our company.
- 6.It is recommended to use an isolation transformer to accommodate the load power.
- 7.The circuit system of the underwater light is recommended to be equipped with GFCI (ground fault current circuit breaker) and have a suitable rated current circuit breaker.
- 8.It is recommended that the length of the wire connecting the swimming pool light and the transformer should not exceed 30m, otherwise it may affect the normal operation of the underwater light.
- 9.The underwater light should be installed on a horizontal wall, and it is forbidden to install on an irregular wall.
- 10.To install this underwater light, at least a 1.5m long spare wire for connecting lines should be reserved for future replacement and maintenance.
- 11.In order to achieve synchronization, all underwater lights should be connected to the same switch correctly.
- 12.Corrosive or soluble chemicals will destroy the protection of the light housing.
- 13.After installation, it is necessary to test whether the light works normally to ensure the safety of use.
- 14.It is forbidden to turn on the underwater light without it being submerged in water (no more than 10 minutes), otherwise it may shorten its service life and even cause burning of the integrated components that make up the LED.
- 15.After the underwater light is installed in the swimming pool, the swimming pool should be filled with water as soon as possible, because the underwater light should not be exposed to the sun for a long time.
- 16.Do not look closely at the luminaire that is working, so as to avoid eye damage due to the light.

3. Installation Preparation



1. Please confirm the completeness of the light product, including light body, mounting bracket, accessory bag and manual, etc. Make sure that the light marking voltage is consistent with the input voltage to be connected.
2. Prepare installation tools, such as screwdrivers, electric drills, drill bits, hammers, insulating tape, wire cutters, insulating gloves, etc.
3. Confirm the installation location and check whether the wall surface is flat and has no cracks to ensure that it can be installed securely.
4. Turn off the power switch, ensure that the power is disconnected during the installation process, and wear insulating gloves to ensure safety.

4. Installation



1. Product Dimension

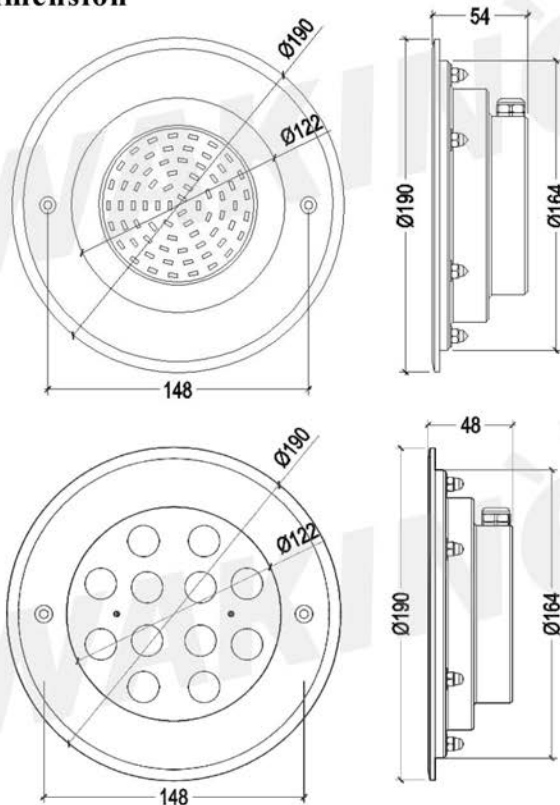


Figure 1

2.Installation Diagram

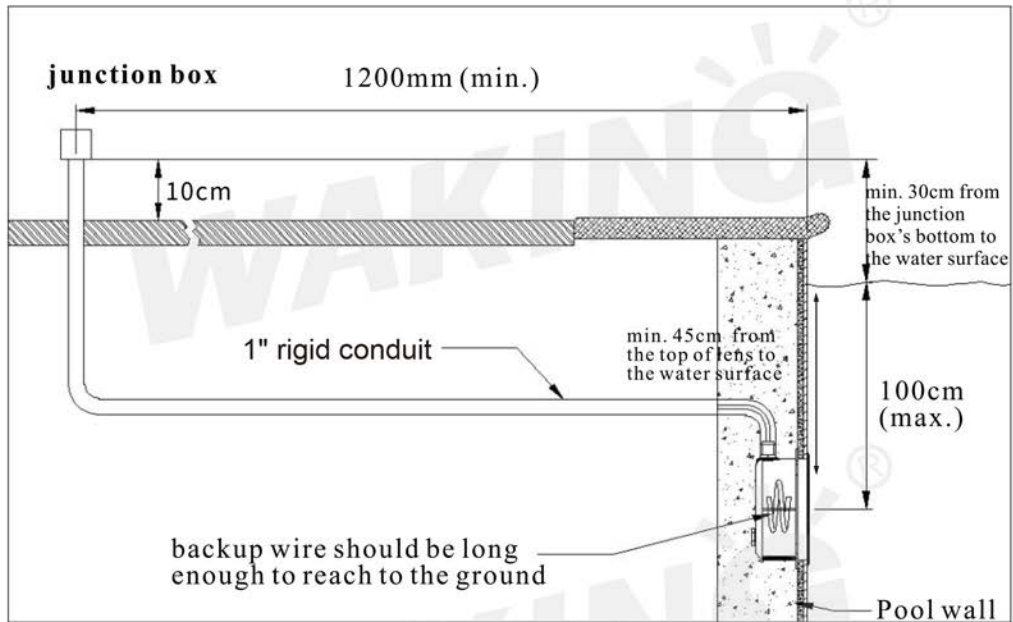


Figure 2

3.Installation and Parts List

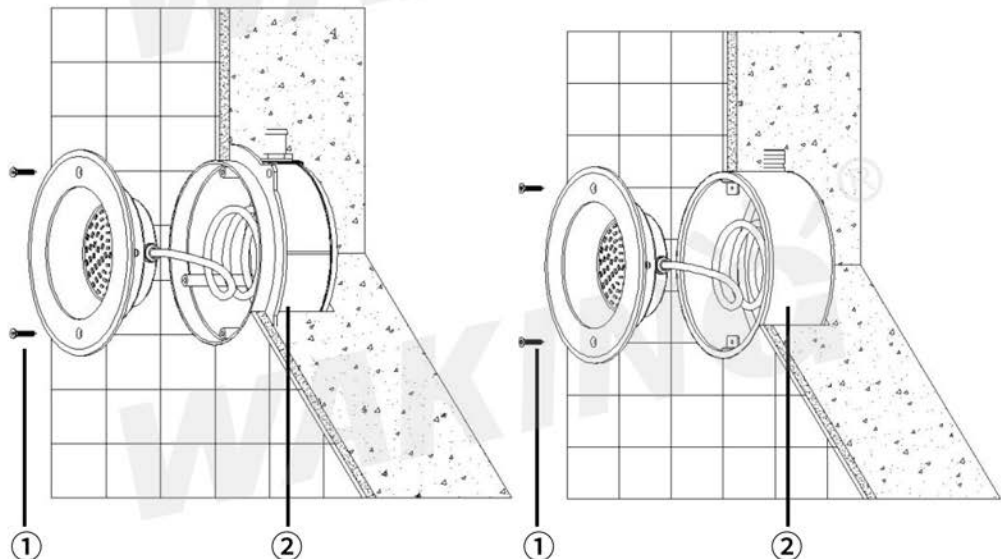


Figure 3

ABS(plastic niche)

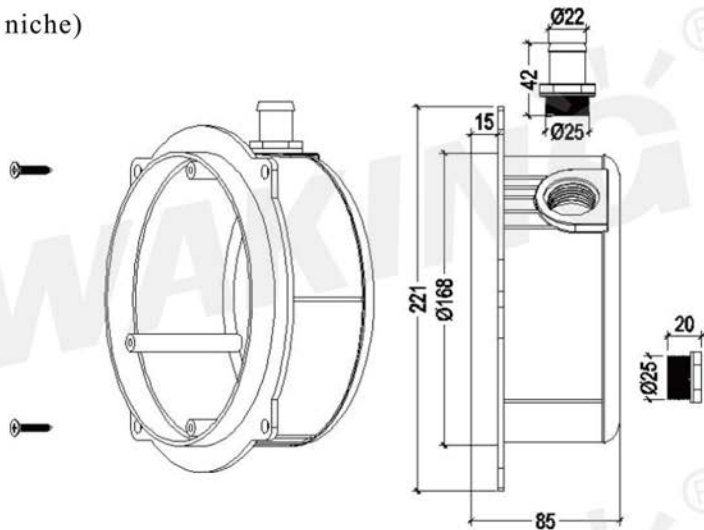


Figure 4

SS(stainless steel niche)

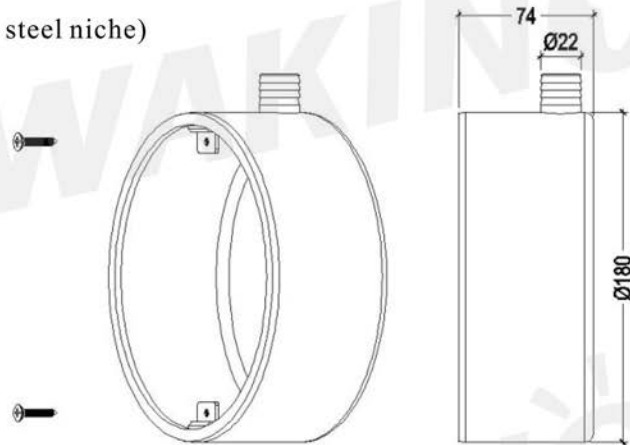


Figure 5

Parts List			
Item No.	Parts Description	Quantity	Unit
①	Screw	2	Piece
②	ABS plastic niche/stainless steel niche	1	Piece

4.Installation Steps

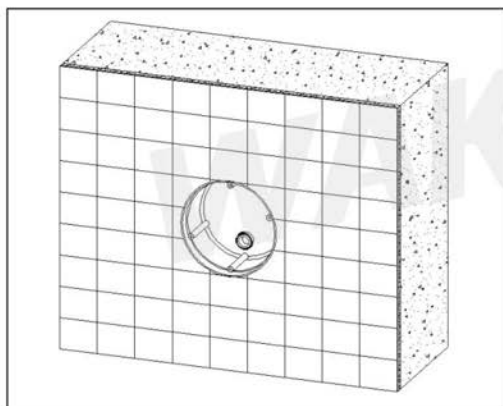


Figure 6

1.Install the niche:

Put the ② niche into the reserved hole of the swimming pool, and then fix the niche.

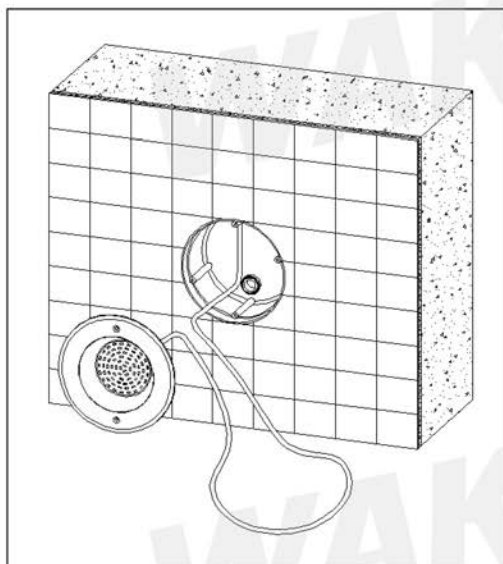


Figure 7

2.Connect the power cord:

Put the power cord of light body through the threading hole on the niche, rigid conduit, and the connect to junction box.

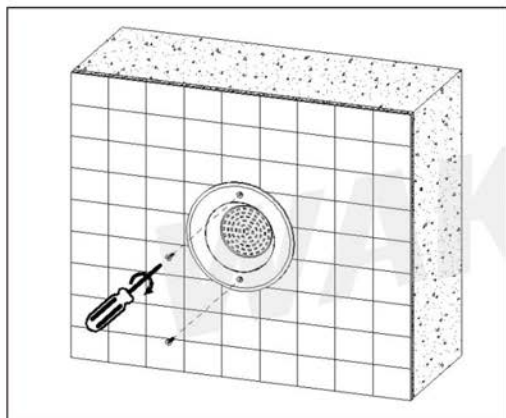


Figure 8

3. Install the light body:

Wrap the reserved spare wire around the back of the light. Straighten the light, align the screw hole on the lamp body with the screw hole on the niche, insert and tighten the ① screw (Note: the rotation force should be moderate when tightening the screw, and do not use excessive force to avoid damaging the light or bracket. After the installation is completed, check whether the light is installed firmly and shake the light body to confirm its stability).

5. Troubleshooting



Item No.	Potential Trouble	Trouble Analysis	Possible Solution
1	The light is dimming	Low voltage. The controller is not connected, or the controller is connected but not turned on.	Check the voltage output from transformer. If a controller is installed, check whether the underwater light is connected to the controller (If connected, check if it is turn on)
2	The light does not light up after power on	The power cord is not connected properly. The fuse is blown. The light is faulty.	Check the connection position of power cord. Check the fuse on the switchboard. Replace the light. Contact qualified electrician to test.
3	When the power is on, it lights up, and then it goes off after a few seconds	The transformer is faulty	Check the voltage output from transformer. Contact qualified electrician to test.

6.Maintenance



1. In order to use this product safely and efficiently, please check and clean the light regularly (recommended once every 3 months).
2. When maintaining the light, be sure to cut off the power supply to prevent electric shock.
3. During the inspection, ensure that all the connecting parts of the light body are firm to prevent accidents caused by aging, loosening, falling off, etc.
4. Please do not use thinners, gasoline or other volatile and corrosive substances to wipe and clean the lights, otherwise it may cause the light to discolor or be damaged.

7.Inner Packing and Outer Packing

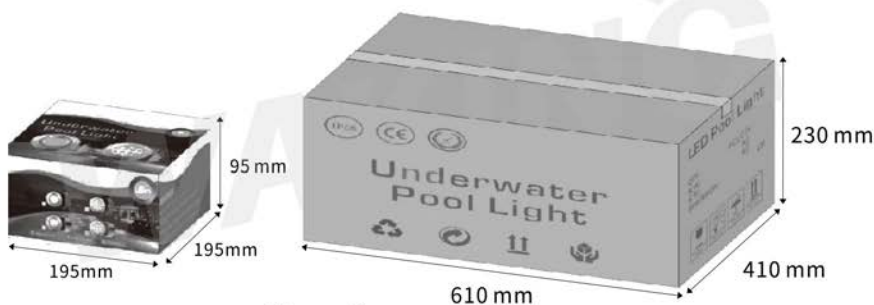


Figure 9

Inner packing size:195*195*95mm, Outer packing size:610*410*230mm.

One light in an inner packing, 12 lights in an outer packing

8.Conclusion



We hope the manual can provide you with detailed installation guidance. Thank you again for choosing our products. If you have any questions or need help, please feel free to contact us. We wish you a smooth installation and enjoy a comfortable and glorious lighting environment!