



Underwater light Operation Manual

(GR Serial)



WARNING

Before starting the installation, please read this manual in detail! The manual contains basic information about installation and operation.

1.IMPORTANT NOTICE

- 1.1 Please turn off the power supply before installation to avoid electric shock due to improper operation. Non-professional and technical personnel, please do not repair or modify this product without authorization;
- 1.2 Before installation, please pay attention to check whether the voltage marked on the underwater light is consistent with the input voltage to be connected to avoid damage to the LED underwater light;
- 1.3 This lamp is an IP68 waterproof lamp and needs to be placed underwater to work. It can be immersed in an environment of 5 meters underwater at the deepest depth;
- 1.4 The working ambient temperature of the lamps and lanterns is recommended to be controlled between -20°C~35°C to ensure the normal service life of the lamps and lanterns;
- 1.5 If the lamp is damaged or there is a problem, please do not use it!
- 1.6 There is a possibility that corrosive or soluble chemicals may damage the protection of the lamp housing;
- 1.7 It is recommended to use with the power supply provided by the company;
- 1.8 If the lamps and lanterns fail, please remove all the faulty lamps and lanterns and place them in the same package, and then send them back together for inspection, repair or replacement.

2.INSTALLATION GUIDE

- 2.1. The circuit system of underwater lights is recommended to be equipped with GFCI (ground fault current circuit breaker) and have a suitable rated current circuit breaker;

2.2. The recommended length of the wire connecting the swimming pool light to the transformer should not exceed 30m, otherwise it may affect the normal operation of the underwater light;

2.3. Underwater lights must be installed on horizontal walls, and it is forbidden to install on irregular walls;

2.4. At least 1.5m long spare wires are reserved for the installation of this underwater light to be used as a connection line for future replacement and maintenance, as shown in **Figure 1**;

2.5. To achieve the synchronization effect of underwater lights, all underwater lights need to be correctly connected to the same switch.

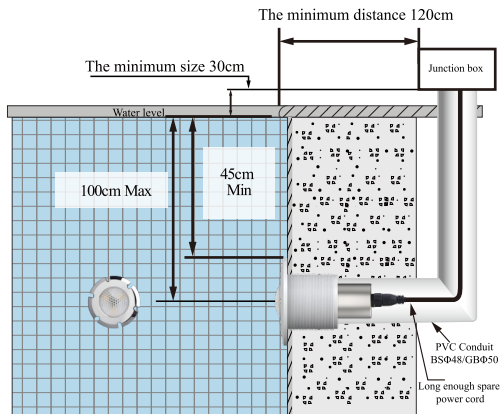


Figure 1

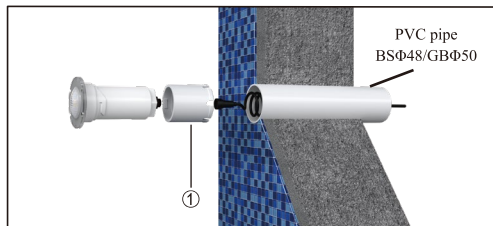
⚠ WARNING

The complete sealing of the underwater light wires must be guaranteed to prevent damage to the underwater lamp caused by water seepage.

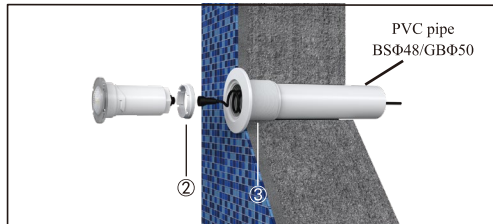


3. Installation - Concrete Pool

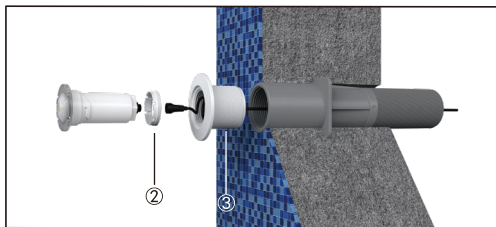
1) GR03/GR04+PVC pipe



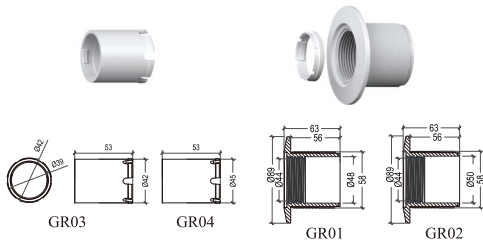
2) Adapter+GR01/GR02+PVC pipe



3) Adapter+GR01/GR02+2" Wall Conduit



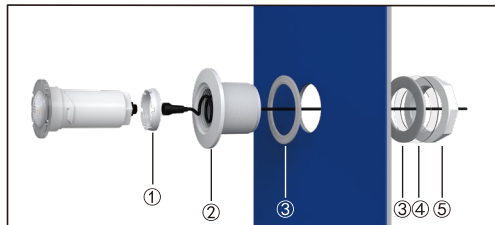
Accessories list:



No.	Accessories	Quantity
1	GR03/GR04	1
2	adapter	1
3	Return fitting GR01/GR02	1

4. Installation - Fiberglass Pool

1) adapter+GR01/GR02+Nut



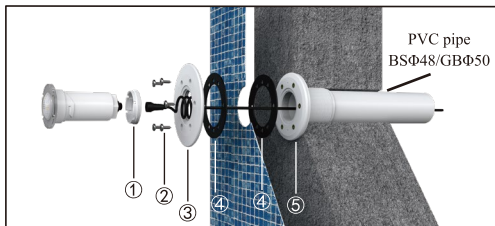
Accessories list:



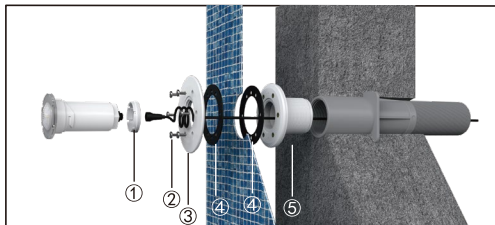
No.	Accessories	Quantity
1	adapter	1
2	Return fitting GR01/GR02	1
3	Washer	2
4	Gasket	1
5	Nut	1

5.Installation - Vinyl Liner Pool

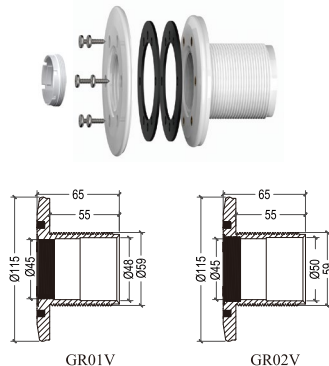
1) GR01V/GR02V+PVC pipe



2) GR01V/GR02V+2"Wall Conduit



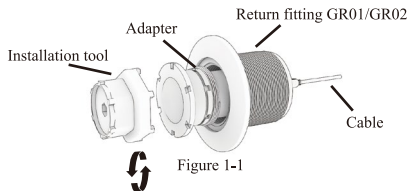
Accessories list:



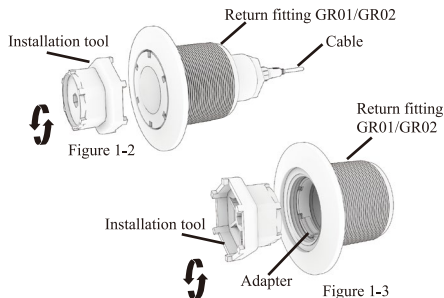
No.	Accessories	Quantity
1	adapter	1
2	Stainless Steel Screws	6
3	Face plate	1
4	Gaskets	2
5	Vinyl Liner Return fitting GR01V/GR02V	1

6. Attention

1) In order to ensure that the luminaire is fixed in place, it is necessary to use the installation tool.



2) repair or replace the light, you need to use the light installation tool, only use the installation tool to remove it. Operation as follows:



7. Troubleshooting

7.1. Underwater lights should not be lit for more than 10 minutes without water;

7.2. When the underwater lights are installed in the swimming pool, the swimming pool should be filled with water as soon as possible, and the underwater lights should not be exposed to the sun for a long time.

7.3. Before lighting the installed underwater light, please check whether the underwater light is completely immersed in water and whether the electric box and circuit are normal.

7.4. This product does not require any repairs. If it does not work properly, please contact the authorized dealer where you purchased this product.

8. Other related precautions

* It is forbidden to turn on the underwater light without submerging in water, otherwise it may shorten its service life and even cause the integrated components that make up the LED to burn;

* In order to connect the underwater light, it is recommended to use an isolation transformer to adapt to the load power;

* For user safety, DR circuit breakers must be installed in the system, and specifications must be determined according to the load power;

* If you have any questions, please contact us.