ATECPOOL
INTERNACIONAL ESPAÑA

3

LED SERIES

ATECPOOL
VITRAGE LED LIGHT

3×3w

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY.ACTUAL PRODUCT MAY VARY.

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LED UNDERWATER LIGHT

ATECPOOL
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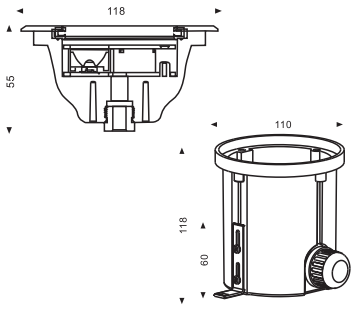
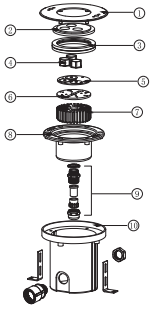
OUTLINE DIMENSION



BOM

1. Front ring
2.Tempered glass
3.Gasket
4.Optical lens
5.LED PCB
6.Fixed Plate
7.Alumiunm block
8.Housing
9.Cable gland
10.Mounting Sleeve



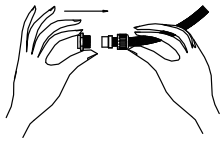
Note : The drawing was show a general introduction to this description. When the discrepancy between the actual product and drawing, Please all to the actual products.

1.FEATURES

- This product is a high power LED underwater light
- The standard color temperature of cool white is in range 5500-6500k;warm white is in range 2700-3200k.
- The standard input voltage is 24VDC(low voltage).When yo install the product, please check the data lable on the product and the wire.
- When using low voltage light fixture, please prepare powerful power supply or 24VDC output transformer. Total demand of power is according to total power consumption + total power of cable impedance consumption.When installation, always work with technician or install by technician.
- The main material of this product is staniless steel, due to the thermal conductivity is very bad. When using this light, make sure put it into the water, then light up.
- This is a IP68 grade product.
- Applicable environment:Temperature of water between -20°C - +40°C , less than 1m in depth.

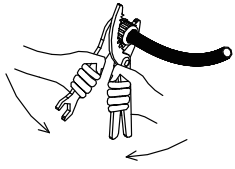
1m IP68 RoHS COMPLIANT

2.INSTALLATION



1-1.Put the wave tube through the nut and the rubber plug.

#The wave tube should reach the bottom of the rubber plug#



2 - 1. Fasten the nut with the screw by using a tool.

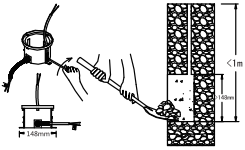
3 - 1. Put the cable through the wave tube and the hoe of the moutning sleeve from outside.

3 - 2.Then insert the cable into the nut/rubber plug and the screw of the PG13.5.

3 - 3.Fix the nut with screw of the PG13.5 tightly

4 - 1. Screw the PG13.5 with the connector on the wave tube tightly with two wrenches.

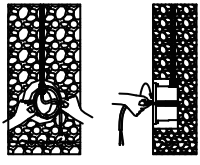
4 - 2. Fix the backover to the mounting sleeve by four screw.



5 - 1. Fix the two type " L " bracket on the mounting sleeve.

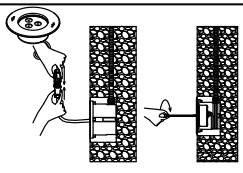
5 - 2.Dig a hole for the installation for each of the mounting sleeve.

#The distance between these holes and the ground should less than 1m/#



6- 1. Put the mounting sleeve into the holes.

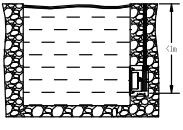
6-2. Fasten it with the wall of the pool by a Screwdriver.



7 - 1. Connect the lighting fixture with the power Cable by the connector
#fasten the connector tightly to make sure it can reach IP68#

7 -2. Turn on the power to make sure it is working.

7 -3. Fix the ligth with the mounting sleeve by a screwdriver.

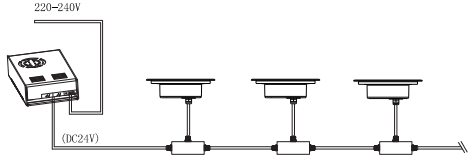


8 - 1 . Pour the water into the pool after the installation.

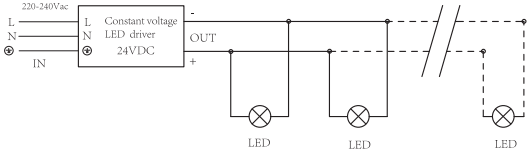
3.WIRING DIAGRAM

3.1 : Low voltage single color fitting:use external power supply, the input voltage of power supply must be consistent with the requested input voltage of the fitting, as the fitting is constant voltage input type.
The power consumption of power supply must be decided by installer according to the requirements from the site.

Example of wiring:



24VDC : Circuit of Product.



Explanations : the transmiss circuit of the whole group depends on the circuit of junction boxes the max. current depends on the max. load of power cable between the junction boxes , but it is not related to the max. load current of power cable of the fitting. The outer diameter of cable between the junction boxes is limitted by the max. Outer diameter of speedy plug, the max. allowed outer diameter is 10mm.

4.SPECIFICATIONS

4.1 . Material specifications :

Front cover & Housing	:	Molding shpaed sus 316L stainless steel
Gasket	:	EDPM gasket
Glass	:	step tempered glass. T=8mm
Cable gland	:	IP-68 PG-11 Copper with nickel-coated
Waterproof seal	:	Molding shaped silicone seal
PCB	:	Excellent heat conductivity aluminum coefficient of Heat conductivity≥ 2.0w / mk
Driver	:	Constant current output
Application Environment	:	Temperature of water between -20 °C - 40°C less than 1 Meter depth
Power Supply	:	H07RN-F 2?. 0mm² L=3m (for single color)
Mounting sleeve	:	058 PVC