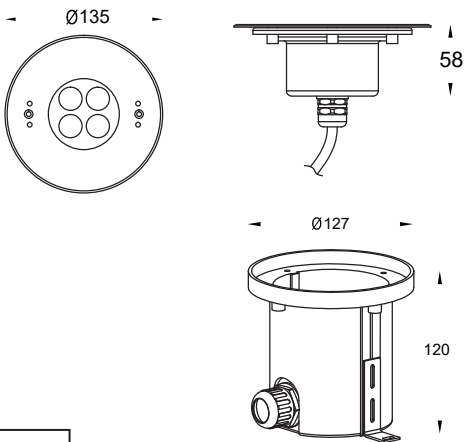
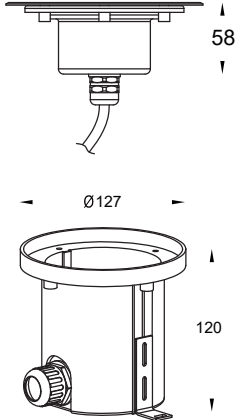
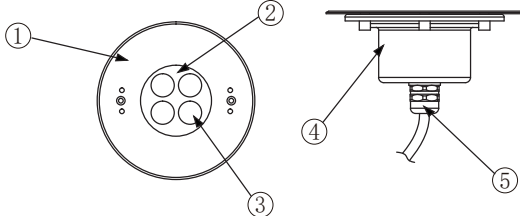


LED UNDERWATER LIGHT

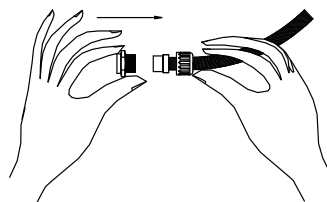
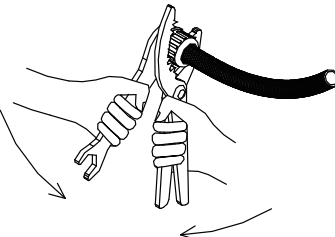
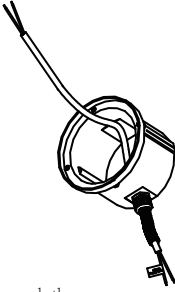
OUTLINE	DIMENSION	EXTERIOR COMPONENTS DESCRIPTION
		 <ul style="list-style-type: none"> ① Front cover ② Tempered glass ③ Optical lens ④ Housing ⑤ Cable gland
<p>Unit: mm</p>		

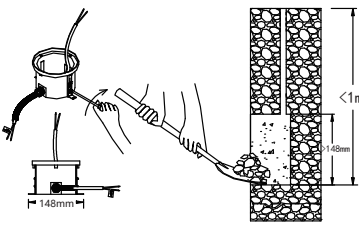
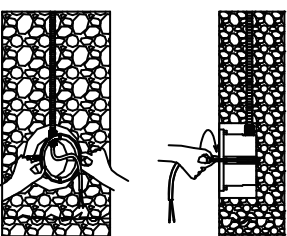
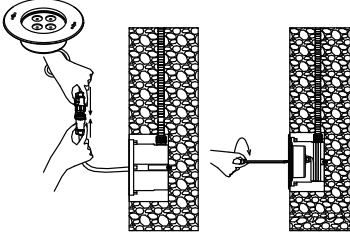
Note: The drawing was show a general introduction to this description.
When the discrepancy between the actual product and drawing,
please all to the actual products.

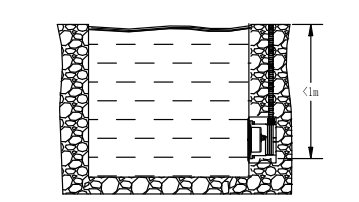
1.FEATURES

- This product is a high power LED recessed underwater light ,RGB color changing is available light color.
#RGB color change need an extra RGB controller.#
- The standard input voltage is 24VDC(low voltage),When you install the product ,please check the data label 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 stainless 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 ℃ — +40 ℃ ,less than 1m in depth.

2. INSTALLATION

 <p>1-1.Put the wave tube through the nut and the rubber plug. #The wave tube should reach the bottom of the rubber plug#</p>	 <p>2-1.Fasten the nut with the screw by using a tool.</p>	 <p>3-1.Put the cable through the wave tube and the hole of the mounting sleeve from outside .</p>
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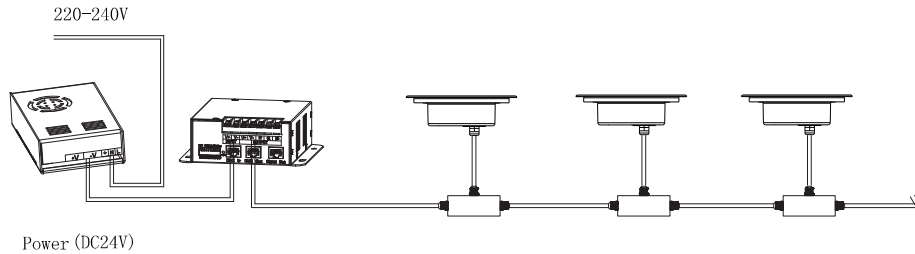
 <p>5-1.Fix the two type “L” bracket on the mounting sleeve. 5-2.Dig a hole for the installation for each of the mounting sleeve. #The distance between these holes and the ground should less than 1m.#</p>	 <p>6-1.Put the mounting sleeve into the holes . 6-2.Fasten it with the wall of the pool by a screwdriver .</p>	 <p>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 light with the mounting sleeve by a screwdriver.</p>
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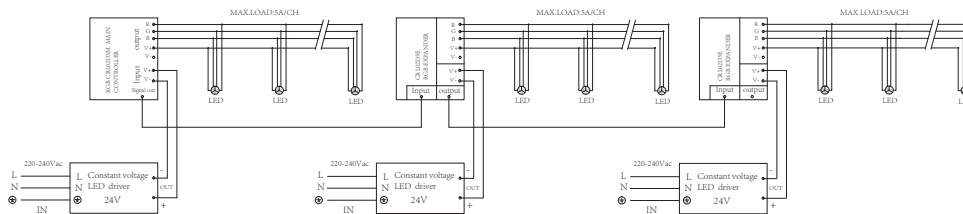
8-1.Pour the water into the pool after the installation.

3. WIRING DIAGRAM

3.1: 24VDC synchronous RGB fitting:



RGB: circuit of product



Explanations:

1. The light source of LED can create three colors of red, green, blue (RGB) in the same time and create synchronous RGB changing through the color changing controller.
2. The three polarity wires represent the three colors of red, green, blue which feed the current for the individual driver of fitting, control the color changing program.
3. Ensure the wires of each fitting that represent the color connected in the same circuit, otherwise it can't create synchronous color changing.
4. The connection quantity can't over the MAX. allowed load of the power supply, also the recommended distance between fitting and color changing controller is less than 20m, and the length of the RJ45 signal wire between the main controller and the expander is less than 50m.

4. SPECIFICATIONS

4.1. Material specifications:

- Front cover & Housing: Molding shaped sus 316L# stainless steel
- Gasket: Silicone 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 $\geq 2.0 \text{ W/mk}$
- LED Driver: Excellent heat conductivity aluminum. coefficient
of heat conductivity $\geq 2.0 \text{ W/mk}$
- Application Environment: Temperature of water between $-20^\circ\text{C} \sim 40^\circ\text{C}$
less than 1 Meter depth
- Power cable: H07RN-F $4 \times 1.0 \text{ mm}^2$ L=3.0m
- Mounting sleeve: 058 ABS#

4.2. Electrical parameters:

Item NO.	Light source	The manufacturer selected lens degree (°)	Input voltage (v)	Typical operating current (mA)	Typical consumption (W)	Typical luminance (lm)	IK rate
16199	4 × 2W RGB 3in1 Full color	30	24VDC	R=200 G=215 B=215	15	262	08