

High power RGB LED Underwater light

LED: 1 W/3W High power LED

- 1) 9X1W RGB : 3R 3G 3B X3W
- 2) 9x3W RGB: 3R 3G 3B X3W
- 3) 12X3W RGB 3IN1 LED 12R 12G 12B

Color : RGB WHITE ,

Material: 304 Stainless steel

Input voltage:24vDC



High power LED underwater spot light can install in water for decoration or illumination. It is widely used for fountain pool, theme park, etc. single color (pure white, warm white, red, green, blue, yellow) available. Stainless steel housing . IP68, built-in constant current driver, input voltage 24v DC, low consumption and safe for human, there are fixed holes on the bottom, easy to install.

Features:

This fitting is made of all stainless steel, low heat conducting, must be installed the whole fitting underwater or ensure large volume water flowing or sprinkling on the surface of fitting

Specifications:

Housing:molding shaped 304# stainless steel housing

Tripod: molding shaped 304# stainless steel housing

Glass: clear tempered glass T=5mm

Lens: all-in-one optical lens, efficiency $\geq 85\%$

Waterproof cable gland:IP-68 PG-11 copper and nickel coated

Waterproof seal:molding shaped double seal

LED: TO type power LED, please click here to learn more about LED

PCB:excellent heat conductivity aluminum, coefficient of heat , Conductivity $\geq 2.0\text{w/mk}$

Driver: constant current output

Single color LED=1-circuit output

RGB LED=3-circuit output

RGB 3in1 LED=3-circuit output

Application environment: in normal temperature water, water depth: within 1 meter

Power cable: H05RN-F 2x0.75 m² L=3m

Ordinary features

- ✓ High quality and high power LED light source;
- ✓ projection distance: 0.5-20m ;
- ✓ Standard optical beam angle is 45 degree, (15 30 45°/60°available)
- ✓ to generic RGB LED ribbon controller,

We are supporting the company's controller Five standard DMX channel: red, green, blue, strobe, dimming the total, general brightness and general dimming, support DMX512 console

- ✓ 256 grade brightness, R,G, B color can realize about 16,770,000 color output ;
- ✓ Standard 3-pins male and female DMX signal connector, one input and one output ;
- ✓ Directly installed on the Underwater

Special attribute:

- ✓ 304 stainless steel, IP68.
 - 1) Nice appearance, durable, anti-corrosion, never-discolored .
- ✓ Equilateral triangular array of light (R, G, B);
 - 1) Mixing color better, more even and more brilliant .
- ✓ Inside isolated constant current driver
 - 1) Has the protection functions of open-circuit, short-circuit and overload
 - 2) Ensured the high power LED operates safely
- ✓ With button and numeral display window on each RGB LED Underground light, controller

1) You can change programs via these buttons, include dreamlike gradual changing, jumping, flashing, dim brightness of single color, etc.

2) More info about how to operate the buttons and display window: (see controller data)

The special properties description and instructions of LED ceiling light and controller Master-slave automatic connection

Self-programming

control Numeral

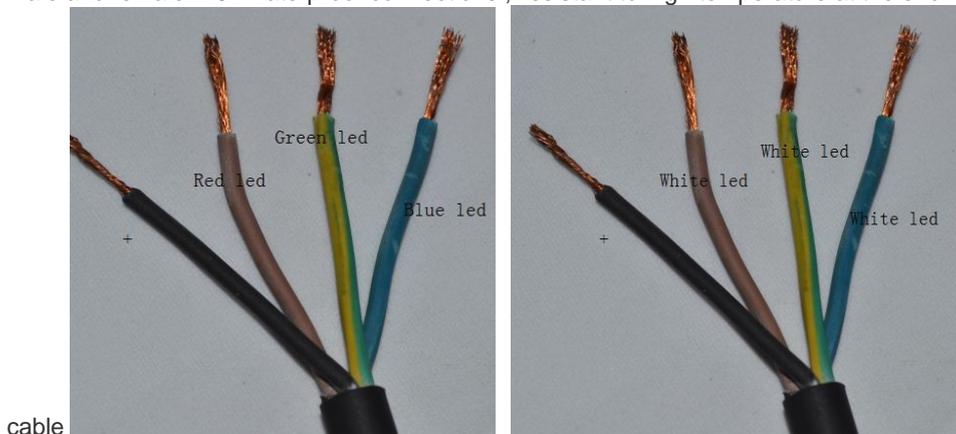
display window

Connection diagram of LED Underground light

Control Connection:



Male and female IP67 waterproof connections ,Resistant to high temperature at the end rubber



Bare wire connection, 4-wire:

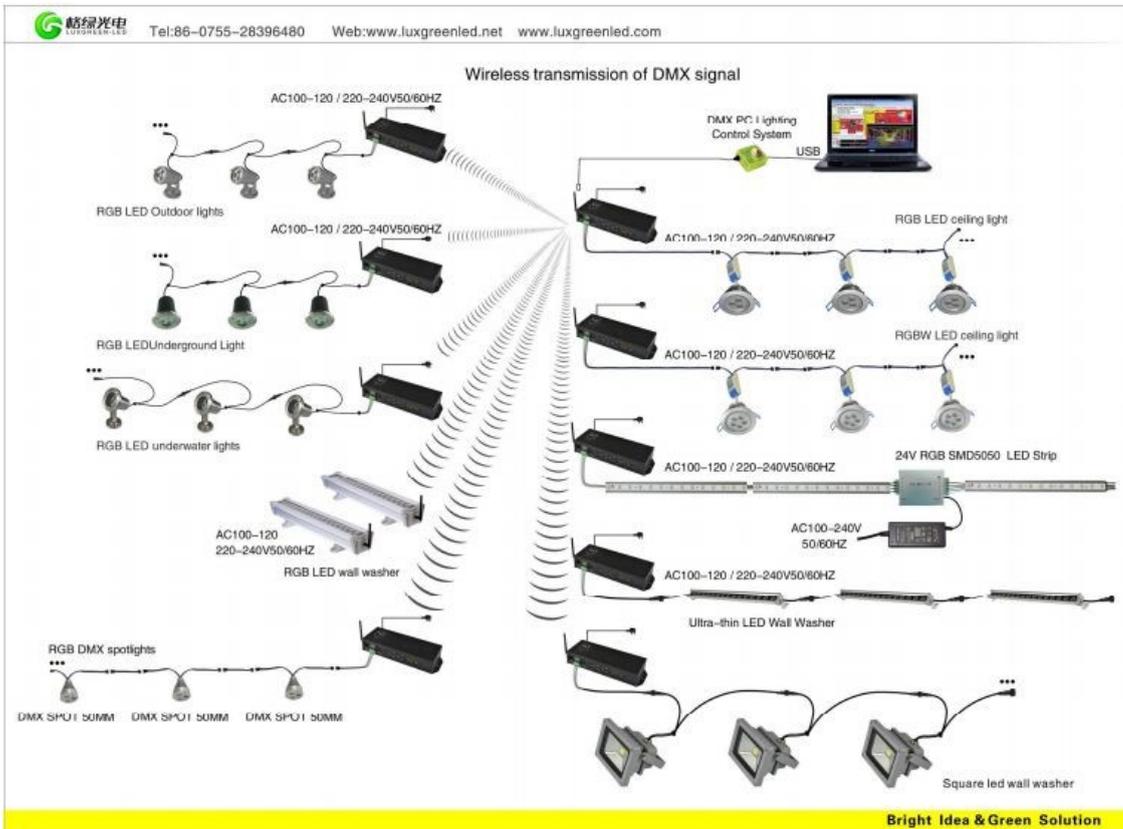
Black=Total polarity +

Brown = red LED lights

Yellow-green = green LED

Blue = blue LED

RGB LED products integrated wiring diagram (all wireless)



Parameter Specification Table:

Part No.	LUG-UWL12x3W-RGB-DC	LUG-UWL9x3W-RGB-DC	LUG-UWL9x3W-WW-DC
Color	red, green, blue, white, warm white, RGB, RGB 3in1+WHITE		
LED	12R12G 12B X1W	3R 3G 3B X3W	9White X3W
Emitting angle	15/30/45/60		
Voltage	12-24V dc		
electric current	24V 1.5A	24V 1.125A	24V 1.125A
Maximum power	36W	27W	27W
LED Flux	R:480LM G:840LM B:300LM	R:180LM G:300LM B:105LM	White:1750lm
LED branch current	600MA	600MA	600MA
Control Manner	DMX512 Automatic on-line Built-in program Digital display		
Use of the environment	-2 0°-45		
Waterproof rating	IP68		