Underwater RGBW LED Light Fixture - 24VDC

SKU: UW-LG-RGBW2

ECOLOCITY
LED LIGHTING SOLUTIONS

1092 Greg Street
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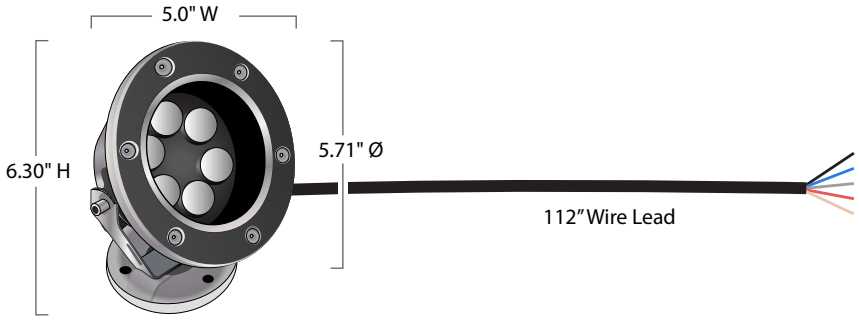
Specifications



Black Wire
(-) White Input
Blue Wire
(-) Blue Input
Grey Wire
(-) Green Input
Red/Orange Wire
(-) Red Input
Tan Wire
(+) 24VDC+ Input

Product SKU :	UW-LG-RGBW2
LED Type:	Epistar RGB 4in1
LED Quantity :	6 x 8Watt LEDs
Input Power :	24VDC Constant Voltage
Watts :	48W
Operating Temp :	-4° ~ 113°F
Operating Lifetime:	50,000 Hours
Beam Angle :	60°
Rating :	IP68
Warranty Period :	2 Years

Input Power: 24VDC Constant Voltage

Power supply equation

X * 48.0 = Y

X = amount of LED fixtures
Y = minimum transformer wattage

Precautions

WARNING – This product should be installed, cut and connected only by a qualified professional.

NEVER cut, connect, or join wires while product is connected to a live power source.

24VDC Use 24VDC Input Only!

3+ DO NOT daisy chain more than 3 RGBW fixtures without providing 24VDC power every fourth fixture.
*see installation guide

120VAC DO NOT use AC Input!

DO NOT operate in any environments over 113°F.

This product is designed to be sub-mersed and has an IP68 waterproof rating.

BE CERTAIN your 24VDC source, RGBW controller and wire gauge is suffice for power load.

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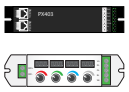
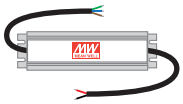
Installation

REQUIRED SUPPLIES

Wrench and mounting supplies



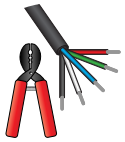
24VDC RGBW Controller or 4CH DMX Driver



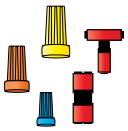
24VDC Power Supply

OPTIONAL SUPPLIES

Waterproof Junction Boxes

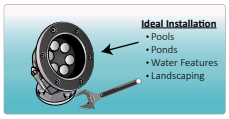


Outdoor Wire and Wire Strippers



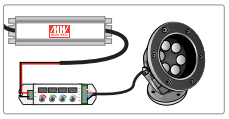
Wire Nuts or Connectors

1.) Mount Fixture



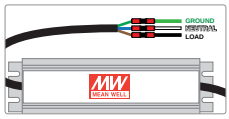
Mount your RGBW Fixture to a secure surface. Be sure that the ends of the wire leads are not exposed to water or get wet when installing.

2.) Connect Controller



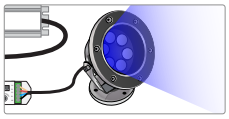
Always be certain power is disabled before connecting! Connect the 5 pair wires from the fixture to your RGBW controller, then the 2 pair wires from power supply to DC input.

3.) Connect Transformer



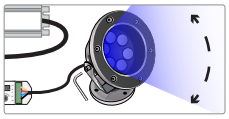
WARNING – This step should be done by a qualified professional. Always disable AC power before connecting! Use wire nuts or connectors to secure your AC input to your 24V transformer.

4.) Turn on Power to Test



Once the light has been wired and mounted you can now turn on power to your 24VDC source. Repeat these steps and use parallel connections for multiple fixtures.

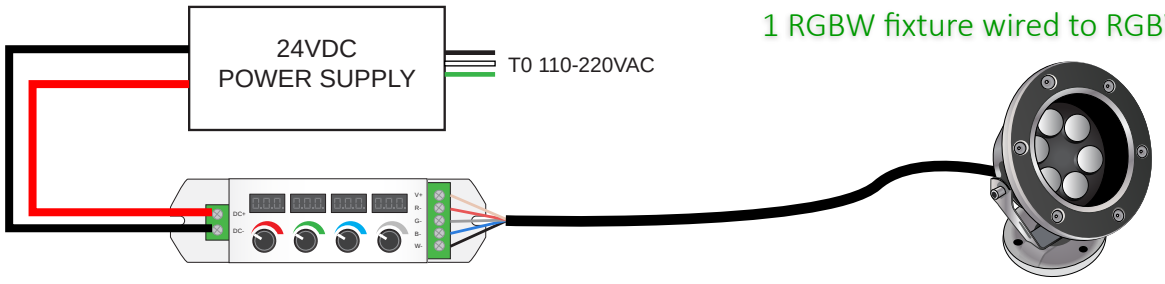
5.) Adjust Light Position



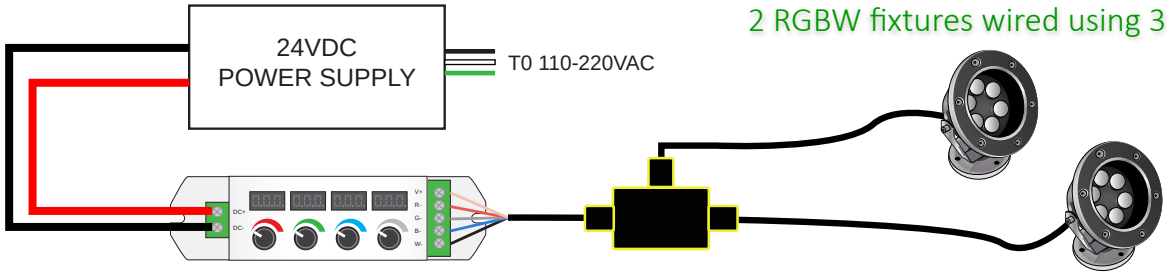
Once the light has been wired, mounted and tested you can now adjust the angle of the fixture for ideal light output. Tighten allen nuts on each side to secure.

Connection Examples: 48 Watts per fixture

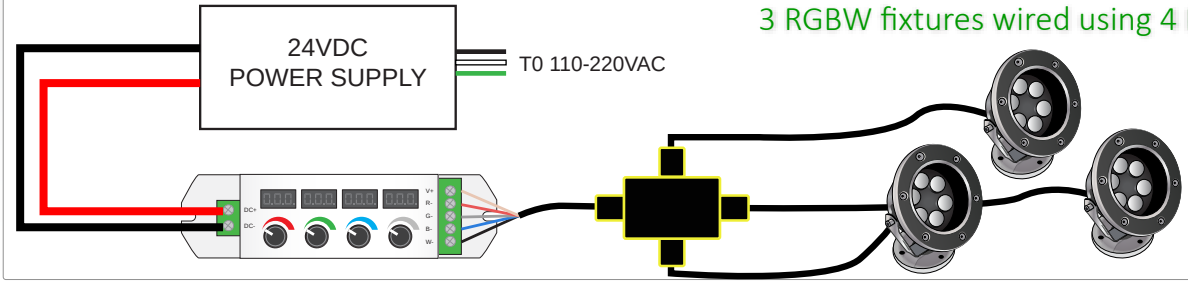
1 RGBW fixture wired to RGBW color controller



2 RGBW fixtures wired using 3 Port Junction Box



3 RGBW fixtures wired using 4 Port Junction Box



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Underwater RGBW LED Light Fixture - 24VDC

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RGBW Fixture Accessories

24VDC Power Supplies

RGBW LED Controllers

Wire Connectors

DC Connection Wire

Helpful Links:

24VDC Power Supplies - *https://www.ecolocityled.com/category/led_power_supplies_24v*
RGBW LED Controllers - *https://www.ecolocityled.com/category/4ch-led-controls*
RGBW Connection Wire - *https://www.ecolocityled.com/product/5-wire-dc-connect*
Wire Connectors - *https://www.ecolocityled.com/category/wire_connectors*
DMX Lighting Controls - *https://www.ecolocityled.com/category/dmx_lighting_control*