2" Round RGBW LED Ceiling Light - 12/24VDC
SKU: LD-LG-2R-RGBW

ECOLOCITY
LED LIGHTING SOLUTIONS
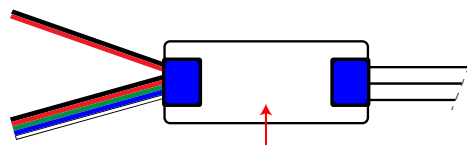
1092 Greg Street
Sparks, NV 89431
ECOLOCITYLED.COM
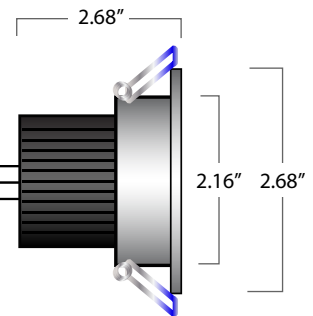**775-636-6060**

SPECIFICATIONS

DC Power
DC-
DC+

RGBW Controller
DC+
Red-
Green-
Blue-
White-

2.68"

19.5"

2.16" 2.68"

DRIVER IS REQUIRED FOR OPERATION

Product SKU : LD-LG-2R-RGBW
LED Type: Epistar RGBW 4in1
LED Quantity : 1 x 8Watt LEDs
Input Power : 12/24VDC Constant Voltage
Watts : 8W
Operating Temp : -22° ~ 144°F
Operating Lifetime: 50,000 Hours
Beam Angle : 60°
Rating : IP44
Warranty Period : 1 Year

Input Power: 12/24VDC Constant Voltage

Power supply equation

$$X * 8.0 = Y$$

X = amount of LED fixtures
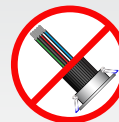*Y = minimum transformer wattage*

PRECAUTIONS

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

12/24VDC Use 12/24VDC Input Only!

120VAC DO NOT use AC Input!

This product is not designed to be installed in wet or damp environments.

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

🚫 DO NOT install this light without the included driver. The driver is required to operate the fixture.

🚫 DO NOT use in direct sunlight.
DO NOT use in environments over 140°F.

⚠️ BE CERTAIN your 12/24VDC source, RGBW controller and wire gauge is suffice for power load.

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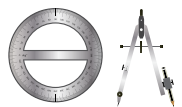
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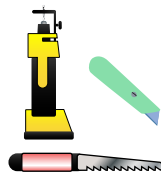
2" Round RGBW LED Ceiling Light - 12/24VDC
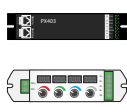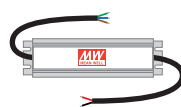## SKU: LD-LG-2R-RGBW

INSTALLATION

REQUIRED SUPPLIES

Circle Marking Compass or Template Tool

Drywall Cut-Out Tool Saw or Utility Knife
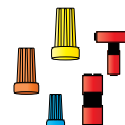
12/24VDC RGBW Controller or 4CH DMX Driver
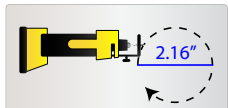
12/24VDC Power Supply

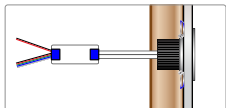### OPTIONAL SUPPLIES

Stranded Wire and Wire Strippers

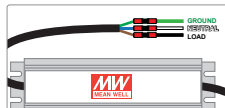Wire Nuts or Connectors

1.) Measure Hole & Cut

Use a circle compass or circle template tool to mark a 2.16" (55mm) diameter hole in your drywall or mounting surface. Use your preferred cutting tool to cut circle for mounting.
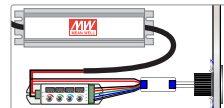
2.) Mount Fixture

Feed the included driver and connection wires through your 2.16" (55mm) mounting hole. Bend back mounting springs and secure the RGBW fixture into place.
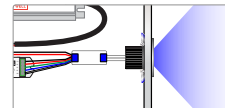
2.) Connect Transformer

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 transformer.
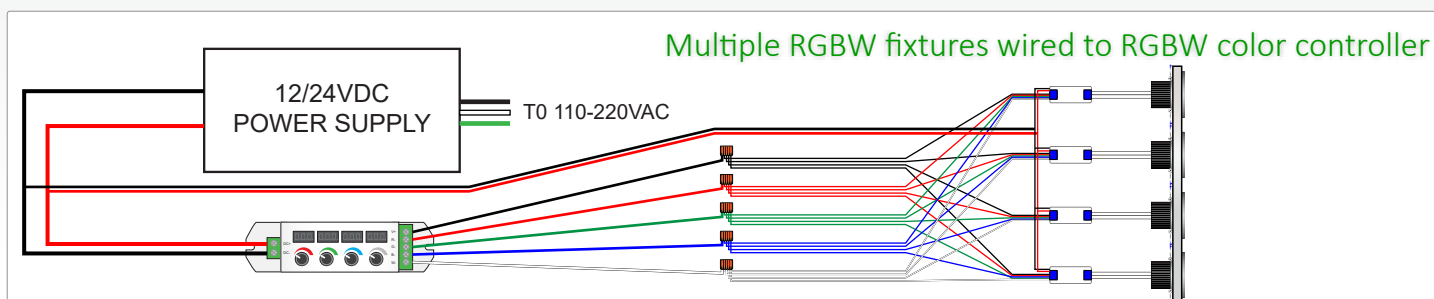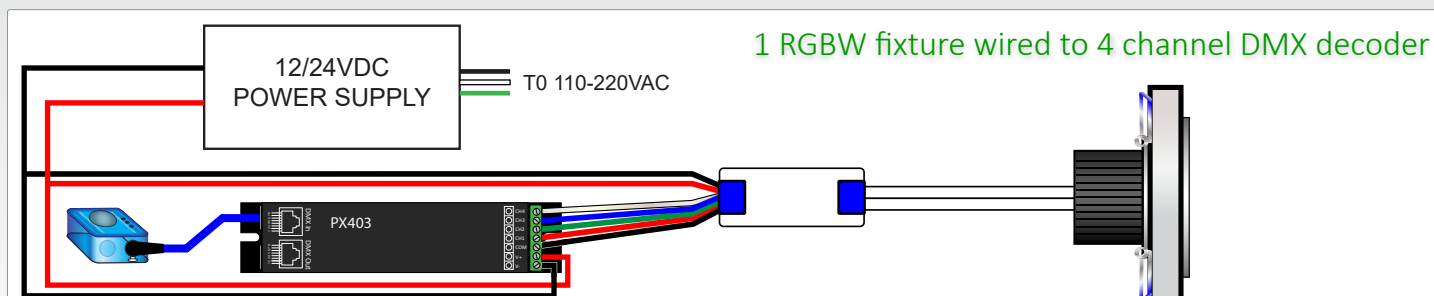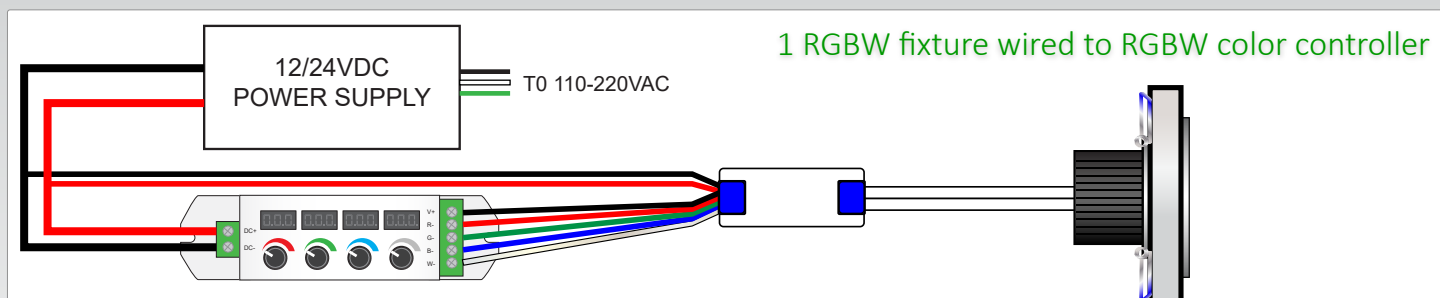
3.) Connect Controller

Always be certain power is disabled before connecting! Use the 5 pair wires from the light driver and connect your RGBW controller. The two pair will connect to your DC source.

4.) Turn on Power to Test

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

CONNECTION EXAMPLES: 8 Watts per fixture

1 RGBW fixture wired to RGBW color controller

12/24VDC POWER SUPPLY — T0 110-220VAC

1 RGBW fixture wired to 4 channel DMX decoder

12/24VDC POWER SUPPLY — T0 110-220VAC

PX403

Multiple RGBW fixtures wired to RGBW color controller

12/24VDC POWER SUPPLY — T0 110-220VAC

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RGBW Fixture Accessories

LED Power Supplies	RGBW LED Controllers	Wire Connectors	DC Connection Wire

Helpful Links:

LED Power Supplies - *https://www.ecolocityled.com/category/led_power_supplies*

RGBW LED Controllers - *https://www.ecolocityled.com/category/4ch-led-controls*

RGBW Connection Wire - *https://www.ecolocityled.com/product/rgbw-led-wire-5c*

Wire Connectors - *https://www.ecolocityled.com/category/wire_connectors*

DMX Lighting Controls - *https://www.ecolocityled.com/category/dmx_lighting_control*

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