

Bright Star 3 in 1 RGB LED Flood Light - 24VDC

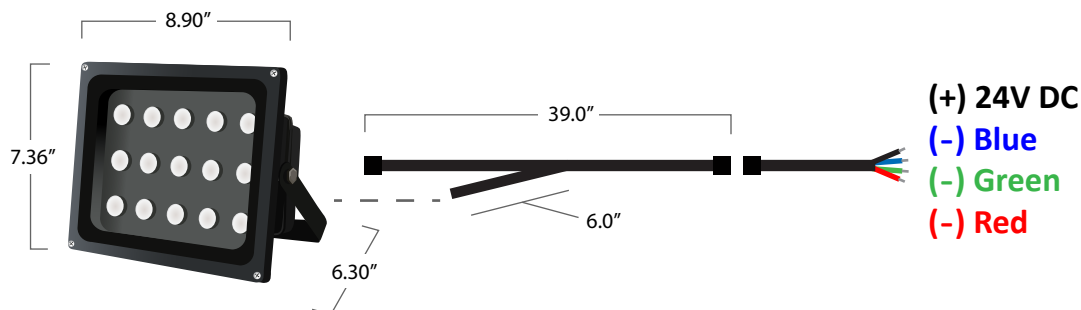
SKU: WW-LG-RGB-F1



ECOCITY
LED Lighting Solutions

255 Distribution Dr. #104
Sparks, NV 89441, USA
ECOCITYLED.COM
775-636-6060

SPECIFICATIONS



Product SKU : WW-LG-RGB-F1
LED Type: Epistar RGB 3in1
LED Quantity : 15 x 3Watt LEDs
Input Power : 24VDC Constant Voltage
Watts : 45W
Operating Temp : -4° ~ 130°F
Operating Lifetime: 50,000 Hours
Beam Angle : 60°
Rating : IP65
Warranty Period : 1 Year

Input Power: 24VDC Constant Voltage

Power supply equation

$$X * 45.0 = Y$$

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!



DO NOT daisy chain more than 2 RGB fixtures without providing 24VDC power every third fixture.

*see installation guide



DO NOT use AC Input!



DO NOT operate in any environments over 130°F.



This product is not designed to be submersed or installed in areas with standing water.



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

EcolocityLED.com
info@EcolocityLED.com

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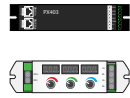
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INSTALLATION

REQUIRED SUPPLIES



Wrench and mounting supplies



24VDC RGB Controller or 3CH DMX Driver

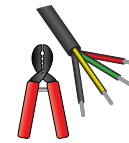


24VDC Power Supply

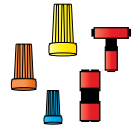
OPTIONAL SUPPLIES



80' RGB Flood Light Jumper Wire



Outdoor Wire and Wire Strippers



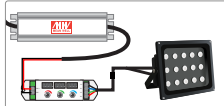
Wire Nuts or Connectors

1.) Mount Fixture



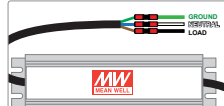
Mount your RGB Fixture to a secure surface. If possible mount the fixture where it can be slightly gaarded from UV and outdoor elements.

2.) Connect Controller



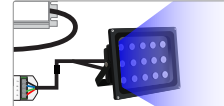
Always be certain power is disabled before connecting! Connect the 4 pair wires from the fixture to your RGB controller, then the 2 pair wires from power supply to DC input.

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.

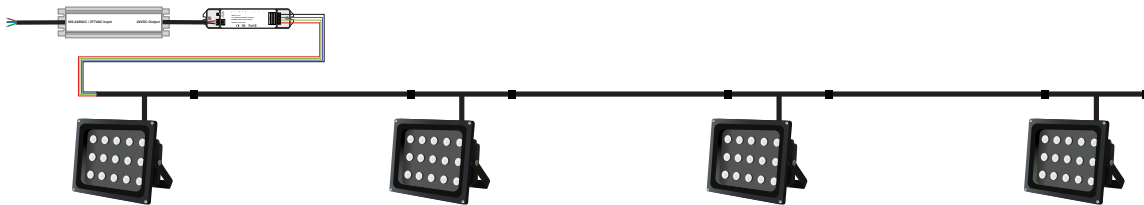
5.) Adjust Light Position



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

CONNECTION EXAMPLES: 45 Watts per fixture

✗ Do NOT Connect this way! (No more than 2 fixtures in serial connection)

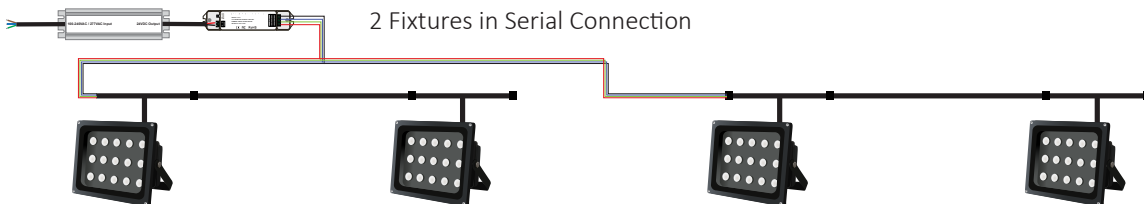


✓ Do Connect these ways!

4 Fixtures in Serial Connection with looped circuit



2 Fixtures in Serial Connection



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RGB FIXTURE ACCESSORIES



24VDC Power Supplies



RGB LED Controllers



Wire Connectors



DC Connection Wire

HELPFUL LINKS:

24VDC Power Supplies - https://www.ecolocityled.com/category/led_power_supplies_24v

RGB LED Controllers - https://www.ecolocityled.com/category/rgb_led_lighting_controllers_only

RGB Connection Wire - https://www.ecolocityled.com/product/outdoor_wire/led_connection_wire_products

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

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