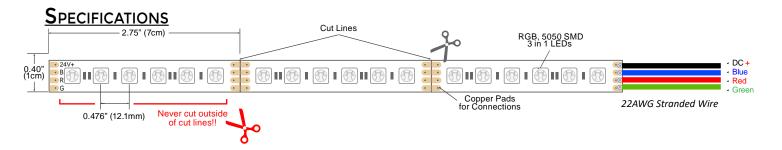
## Ribbon Star, RGB Lux LED Strip Light - 24VDC

## SKU: RL-DX-RLX-RGB-10



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1092 Greg Street Sparks, NV 89431 ECOLOCITYLED.COM 775-636-6060



Product SKU :	RL-DX-RLX-RGB-10
LED Size :	5050 SMD
LED Quantity :	6 LEDs per 2.75"
Input Power :	24VDC Constant Voltage
Watts :	5.40W per foot
Max Serial Connection :	20ft
Operating Temp :	-4°~113°F
Beam Angle :	120°
Rating :	Dry
Warranty Period :	2 Years



Power supply equation

X = linear strip light footage Y = minimum transformer wattage

## PRECAUTIONS



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



24VDC Use 24VDC Input Only!







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 bend, fold or crease the strip in a manner that will damage the conductivity of the circuit board.



DO NOT use in direct sunlight. DO NOT use in environments over 113°F.



DO NOT exceed 20ft serial connection! BE CERTAIN your 24VDC source and wire gauge is suffice for powered load.

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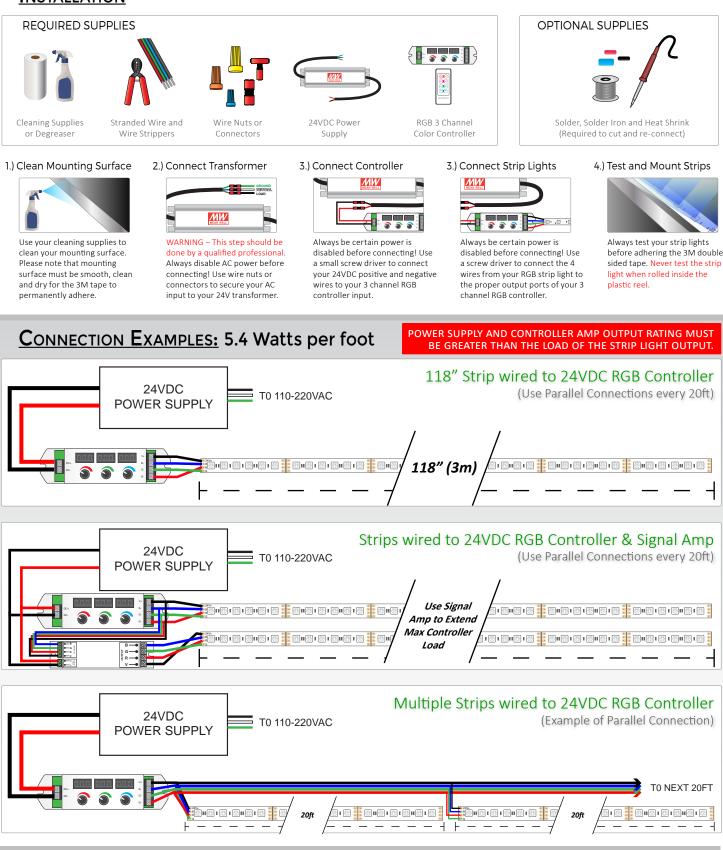


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## Ribbon Star, RGB Lux LED Strip Light - 24VDC

SKU: RL-DX-RLX-RGB-10

## INSTALLATION



LED LIGHTING SOLUTIONS

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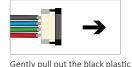
## **Ribbon Star, RGB Lux LED Strip Light - 24VDC**

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## **QUICK CONNECTOR INSTRUCTION**

#### 1.) Gently Pull Tab

tab about 1/16".



🗇 I 🖗 I 🖗 I Copper Pads must insert connector

2.) Insert Strip Light

Slightly pull back 3M tape cover. Check the polarity of your strip then insert into the connector.

## **SOLDERING INSTRUCTION**

#### **REOUIRED SUPPLIES**



Rosin Core Electrical Solder

1.) Strip and Tin Wire

Heat your soldering iron to

500-600°F. Strip your 2

conductor stranded wire

roughly 1/8". Tin the exposed

wires with rosin core solder.

Electrical Soldering Iron (Preferably Temp Adjustable)

#### 2.) Tin Strip Light Pads



Cut your strip light to length on cut line between copper pads. Tin each copper pad with rosin core solder. Do not bridge solder between copper pads

# Masking

3.) Push Back Tabs

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Push back the plastic tabs to

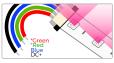
pinch the strip light into place.

#### 3.) Solder Wire to Strip



Mate your tinned wire to the copper pad with respective polarity. Black wire to DC+. Be sure that no wires or solder are touching on another.

#### 4.) Test your Connection



Test your connection before installation. \*Red and Green Wires will be backwards when using our quick connectors with this strip.

#### **OPTIONAL SUPPLIES**



#### 4.) Test and Heat Shrink



Test your soldered connection for continuity or any electrical arcing. Once tested you can cover exposed copper pads with heat shrink if desired.



RGB Strip Light

**Quick** Connectors

STRIP LIGHT ACCESSORIES:



24VDC Power Supplies

**RGB LED Controllers** 



Aluminum Extrusions and Covers

## 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/category/led connection wire products Aluminum Extrusions - https://www.ecolocityled.com/category/led aluminum extrusions Strip Light Soldering Guide - https://www.ecolocityled.com/category/led tutorials rgb solder



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Stranded Wire and

Wire Strippers



