

RGB LED BORDER FLEX LIGHT

Designed for commercial outdoor linear lighting, RGB LED Border Flex is Ideal architectural linear lighting that can be used in indoor or outdoor applications. It uses the similar flexible printed circuit board technology that LED Flex Strips use but with a thicker gauge PCB and an IC chip to regulate the voltage for longer runs of up to 98.5 feet (30 meters). It has a durable UV stable PVC cover allowing it to be used outside with a rating of IP65.

SPECIFICATIONS:

Item:	FPV-AF01-28-30M-RGB-24V:
Max voltage:	24 VDC (regulated power supply only)
Watts:	5.8 / Meter (1.8ft)
Amps:	7.5A Roll (0.25/Meter)
Dimensions:	12mm x 17mm
Light source:	28pcs/ Meter 5050LED
LED Spacing:	35.7mm
LEDs Type:	5050 SMD
LED Angle:	120°
Lamp life:	>30,000 hours estimated average
IP Rating:	IP65 / UV Stable PVC
Brightness:	115 / M (all on)
Max Length:	30 Meters (98.5FT)
Operating temperature:	C -25~+40
Max Radius:	150 mm (6")
Section:	250 mm

FEATURES:

- Available in 24 volts DC
- Super Bright 5050 SMD LEDs
- Thin, sleek and Flexible
- Little or no heat
- IC Design for continuous run lengths of up to 98.5 feet (30 meters)
- Long life span of LED lights up to 30,000hrs*.
- PVC Cover for indoor or outdoor applications IP65
- Continuous length flexible LED light strips
- Solid-state, high vibration resistant SMD chips.



Note: The roll is manufactured in the maximum length. Do not join or add to roll size of 30 meters (98.5ft) as this will exceed the maximum amp capabilities of the wiring. To continue with another separate roll, use a signal repeater or DMX decoder (to keep color changing the

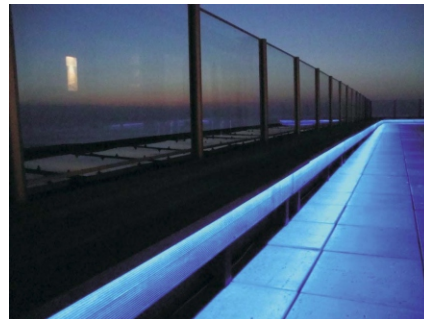
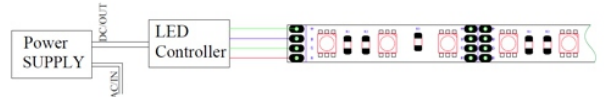
RGB Control System



Call for color controller options



Power supply 24VDC (7.5A) + LED RGB Controller
-Outdoor Rated power supply (UL/CSA Type)



Connection Options:



B1-5W



B0-5W



B2-5W



END CAP

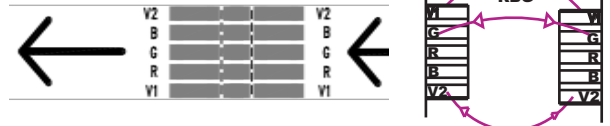
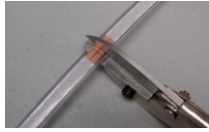
Install Options: Linear U-Channel



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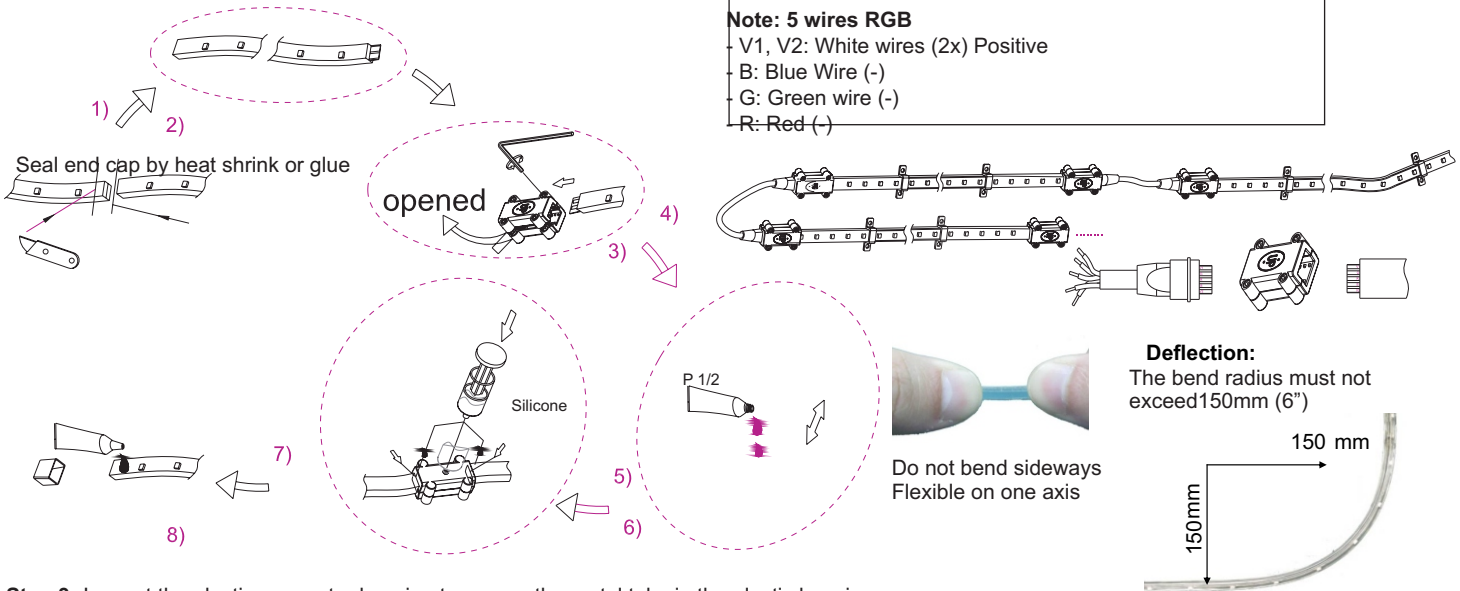
Read all instructions
DISCONNECT POWER BEFORE INSTALLING OR CUTTING!

1. Cut LED Border light only on the marked intervals. Cut in the center. It is easier to cut the back side where there are no solder points.
2. Carefully remove the PVC as in picture with sharp blade but do not cut the PCB. Cut the clear PVC back to reveal the full Copper connectors. The Copper connectors should be 6 to 7 mm exposed from the PVC (tongue connectors). Carefully note that the connection points must line up. V1 to V1, G to G, R to R and so on.



V1 and V2 are positive (+) pole of LEDs (white wires).

Note: 5 wires RGB
 V1, V2: White wires (2x) Positive
 B: Blue Wire (-)
 G: Green wire (-)
 R: Red (-)



Step 3: Inspect the plastic connector housing to ensure the metal tabs in the plastic housing are:

- Still in place, uniform in shape & springy.

Step 4: Place RGB Border Light in the bottom plastic connector housing.

Step 5: Place the black wire connector assembly in the other side of the bottom plastic connector housing.

Step 6: Ensure that the connectors do not touch one another when in the plastic housing.

Step 7: Test fit the upper plastic connector housing. Ensure that it will comfortably fit and that the metal tabs of the upper and lower plastic connector housing will touch the copper connectors on all sides.

Step 8: Screw the connector together using a criss-cross pattern to ensure uniform and even pressure on the connector while screwing it together.

Step 9: Test the RGB strip by lighting one colour at a time.

Note the following when testing:

- Both White wires are both positive and both need to be connected to the positive
- The colour of the wires should reflect the color of the lights
- Test the RGB strip by lighting one colour at a time.

If Green lights up when the blue should light up and the Blue lights up when the Green should light up then flip the black wire connector assembly over inside the plastic housing and retest.

WARNING: ONLY QUALIFIED PERSONNEL SHOULD PERFORM INSTALLATION. TO AVOID ELECTRICAL SHOCK OR COMPONENT DAMAGE, DISCONNECT POWER BEFORE ATTEMPTING INSTALLATION OF THE POWER SUPPLIES AND/OR LED BORDER LIGHT DISCONNECT POWER BEFORE INSTALLING OR SERVICING!

When using power supplies; the following basic safety features should be verified in addition to any other application specific concerns and local safety codes:

- Short circuit protection**
- Overload protection**
- Overheat protection**
- Correct wire gauge**
- Correct output voltage, including consideration for ripple and spikes.**

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