Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

RGB *EZ* 12V Color-Changing LED System

The **Spectrum Series RGB EZ** color changing system from Inspired LED offers a unique range of customizable products designed to illuminate your imagination. Featuring our long lasting, low profile RGB flex strips, four-color cables, simple plug-and-play connectors and controllers, Inspired LED's RGB EZ system is the perfect way to bring a splash of color to your world!
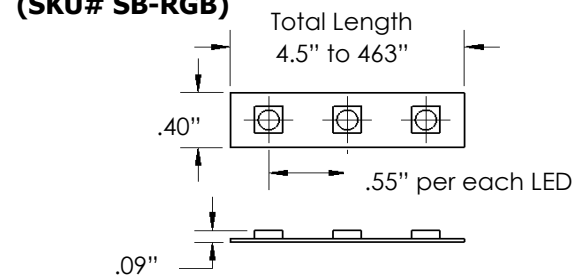
RGB EZ Flex Strips:

- Custom lengths or 12 meter reels
- Low profile (10 mm x 2mm)
- Minimal heat production- no IR or UV light
- Rated to last up to 100,000 hours
- Adhesive mounting sticks to almost any flat surface
- In accord with European Union CE, RoHS directive
- **To be used with compatible RGB EZ products only**
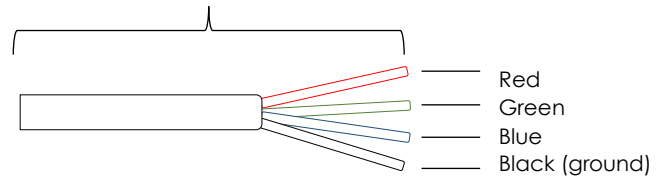
Normal Bright- 30 LEDs/meter, 4.6 W/ft (SKU# NB-RGB)

Total Length 2.0" to 463"
1.31" per each LED
.40"
.09"
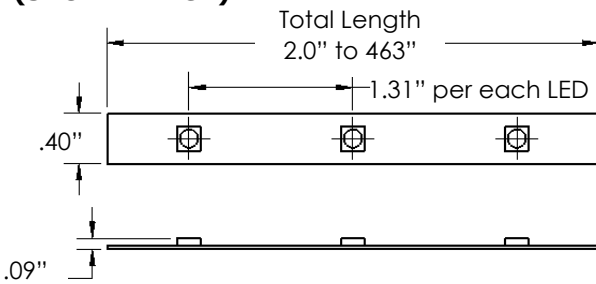
Super Bright- 60 LEDs/meter (SKU# SB-RGB)

Total Length 4.5" to 463"
.40"
.55" per each LED
.09"

RGB EZ Cable: (SKU# 3608)

- In-wall rated 22 AWG
- Simple color-coded wire for DIY installation
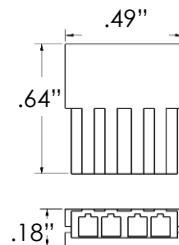
Standard cable lengths: 1'-10', 12', 15'

Red
Green
Blue
Black (ground)

- Also available in bulk reels of 20' or more

RGB EZ Lock Connectors:

(SKU# 3604)
EZ lock end connectors allow for simple termination of RGB flex to RGB EZ wire

.49"
.64"
.18"

(SKU# 3605)
EZ lock flex extenders allow for direct continuation of RGB EZ flex strips

.50"
.82"
.18"
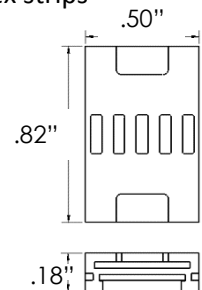
Instructions:

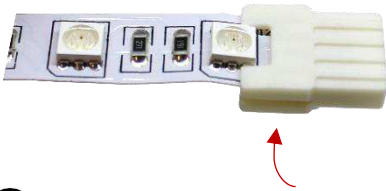**❶** Measure desired areas and cut RGB flex to length along copper solder pads

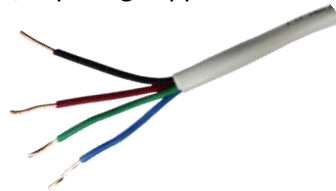**❷** Peel back adhesive about an inch from end of RGB flex

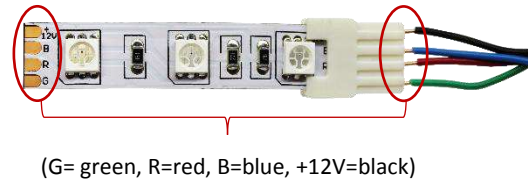**❸** Slide on EZ click end connector so that latch is on underside of flex

❹ Snap end connector shut by pinching firmly until "click" is heard

❺ Strip RGB cable back about 1-2 in to expose 4-color wire, strip each colored wire back about 1 cm, exposing copper
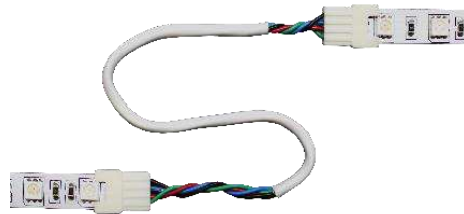
**❻** Firmly insert wires into end connector, matching colors to letters along flex

(G= green, R=red, B=blue, +12V=black)

❼ Once end connector and cables are secure, peel back remaining adhesive and stick RGB flex onto clean flat surface

❽ Continue to make cable connections repeating steps 6 & 7 until all light strips are in series

❾ To connect two RGB flex strips directly, slide both ends into mid connector and snap closed
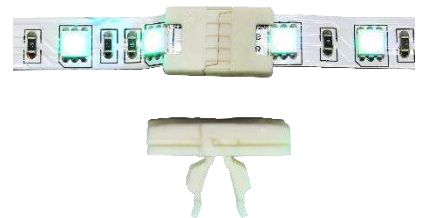
❿ Follow corresponding instructions to wire RGB flex system to control device & power supply
Note: Individual RGB runs over 6 meters must include an amplifier to avoid voltage drop

RGB Flex Interconnection

RGB Controller

Class 2 DC Power