



MRI Compatible LED RGB Light Strip



Product Description

A non-ferrous, RGB LED light strip for use within a fixture or under cabinet mounting as an interior architectural design lighting package. Sentient LED Light Strips are intended for use as ambient or accent lighting and can be used anywhere within a Health Care Facility including MRI Scan Rooms.

Specifications

Material

- Housing: Aluminum

LEDs

- Lumens: 344.11
- Efficacy: 29.17
- Color Rendering Index: 17.2
- Color Related Temperature: 52600
- 60 LED's / 1m (3.28')
- Red/Green/Blue

Electrical Input

- 12 VDC, 11.6 Watts, 0.97Amps
- Low Voltage 4 Pin Connector

Dimensions

- 15mm x 7.5mm x 1m
- 0.59" x 0.3" x 36.28"

Three Year Limited Warranty

- Complete Component

Approval Listings

- cUL / CE



LED Strip Installation

Note: Each LED strips should be wired in parallel not in series.

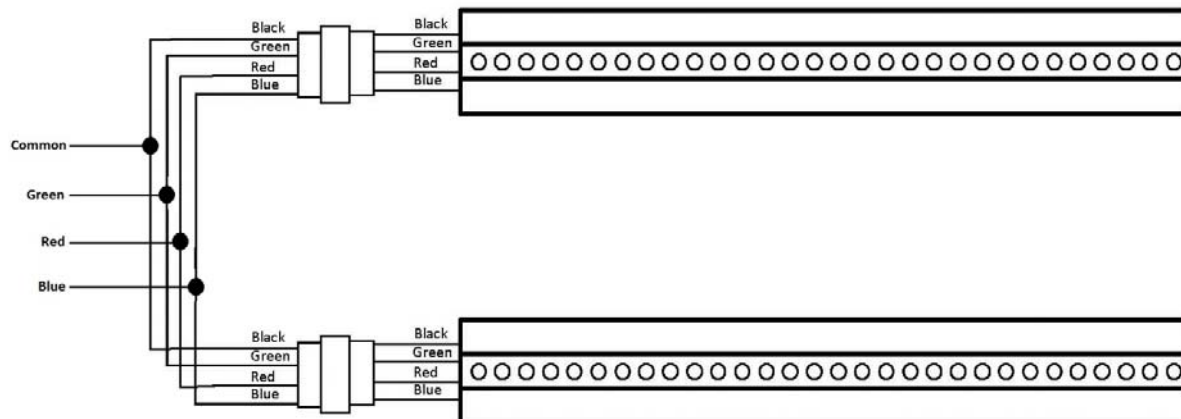
Note: Use only Non-Ferrous mounting clips and hardware within the MRI environment.



- 1) Use the included clips to support the LED strips from the surface.
- 2) Use three (3) clips per full length strip (1 meter).
- 3) Attach the clips to surface using the supplied hardware.
- 4) Ensure the clip is firmly secured to the surface.
- 5) Press the LED strip into the clip without distorting the clip.
- 6) The “ridge” within the clip should seat into the channel along the LED strip.
- 7) Ensure the LED strip is securely seated and raised from the surface.

Wiring Diagram

LED Light Strips and fixtures containing LED Light Strips require a junction box every 7' (2m) with a maximum of 4 LED Strips connected to each junction box. Each junction box should be supplied by a 16ga WIP. LED Light Strips are to be wired in parallel as depicted below:





LED Strip Custom Lengths

Warning: Observe manufacturer's recommend safety protocol when working with any type of tool.

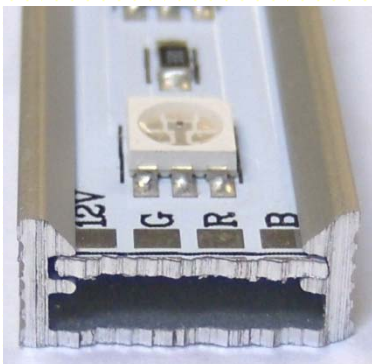
Note: Coumans Care will cut to custom lengths for the customer. However, if the LED Strips require further modification at the customer site, this procedure must be followed.



- 1) LED Strips are provided in a uniform length of 1m/36.28" each.
- 2) Determine the finished length of the LED Strip to be modified.
- 3) Transpose the determined length onto the LED Strip measuring from the end with the electrical connector to the closest LED Cut Line.
- 4) Measure to the closest LED Cut Line. If the LED Cut Line is not the exact required length, use the closest LED Cut Line for the intended application (shorter or longer).



- 5) The LED Cut Line is located between the silver pads denoted, "R-G-B".
- 6) Use a hacksaw or other appropriate metal saw with a minimum of 24 teeth/inch to cut the LED Strip along the LED Cut Line (Black in the photo).



- 7) After modifying the LED Strip to the appropriate length, use a file/wire brush to de-burr and smooth the LED Strip modified end.
- 8) Clean/shake out any debris from the inside of the strip.
- 9) Install LED as previously detailed.