Flexible LED Strips

We stock six different types of Flexible LED Strips, each in a range of colors and lengths. All Series have 3M double sided adhesive on the back, and can be cut to length using scissors, every 3 LED's (2-4"). Strips of same or different colors/Series can easily be soldered end-to-end (i.e. red, white, and blue) up to 48ft long. Each Series is available in Red, Green, Blue, Yellow, Cool White, and Warm White (and RGB for Series I). These strips are designed for 12V operation but will begin to illuminate as low as 6V, so a number of different battery configurations can be used (a 3S LiPo would work well). At 12V, a strip will consume 20mA for every 3 LED segment.
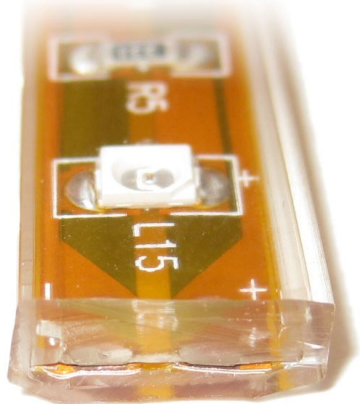
Series I Flexible LED Strips

Our Series I Flexible LED Strips are best suited for most applications that aren't exposed to moisture/contaminants. They are lightweight and very flexible. Series I Strips utilize the best and brightest LED's and are available in 6 colors and RGB (red-green-blue). Our Series I strip also boast the lowest cost.

Series I Specs:	Single Color Strip	RGB Strip
Strip Width:	0.31" (8.0mm)	0.39" (10.0mm)
Strip Height:	0.09" (2.3mm)	0.08" (2.0mm)
LED Spacing:	3 every 1.97" (5.0cm)	3 every 3.94" (10.0cm)
Weight:	1.880oz (53.2g) per 16ft	2.200oz (62.2g) per 16ft

Series IWP Waterproof Flexible LED Strips

Our Series IWP Flexible LED Strips are identical to the Series I but have a protective epoxy coating which makes them waterproof and resistant to chemicals and contaminants. The epoxy coating makes these strips rather heavy so they may not be appropriate for some aircraft, but would be well suited for RC cars as well as general lighting applications for home & business. The epoxy coating is sturdy enough that the strips can be stepped on without damage, and they can easily be wiped clean. Series IWP strips are available in 6 colors and RGB (red-green-blue).

Series IWP Specs:	Single Color Strip	RGB Strip
Strip Width:	0.39" (10.0mm)	0.47" (12.0mm)
Strip Height:	0.17" (4.4mm)	0.15" (3.9mm)
LED Spacing:	3 every 1.97" (5.0cm)	3 every 3.94" (10.0cm)
Weight:	9.560oz (271.0g) per 16ft	11.060oz (313.4g) per 16ft

Series IIWP Waterproof Flexible LED Strips

Our Series IIWP Flexible LED Strips use smaller LED's than the Series I which allows for a much thinner/lighter protective epoxy coating. The coating makes the strip waterproof and resistant chemicals and contaminants. Since these strips are about a third of the weight of the Series IWP strips, they are much more suited for aircraft use. The epoxy coating is sturdy enough that the strips can be stepped on without damage, and they can easily be wiped clean. 16ft lengths will come with a short wire lead already soldered to the end of the strip. Shorter cut lengths may or may not have leads. Series IIWP strips are available in 6 colors.

Series IIWP Specs:	Single Color Strip
Strip Width:	0.32" (8.0mm)
Strip Height:	0.09" (2.4mm)
LED Spacing:	3 every 1.97" (5.0cm)
Weight:	3.840oz (108.8g) per 16ft

Series IIIWP Waterproof Flexible LED Strips – Black Background

Our Series IIIWP Flexible LED Strips are similar to the Series IIWP but have a sleek-looking black background. They use a slightly smaller LED than the Series IIWP and the LED's are spaced a little further apart (240 LED's per reel vs. 300). The protective epoxy coating makes the strip waterproof and resistant to chemicals and contaminants. These strips are a little bit heavier than the IIWP, but are still fine for aircraft use. The epoxy coating is sturdy enough that the strips can be stepped on without damage, and they can easily be wiped clean. 16ft lengths will come with a short wire lead already soldered to the end of the strip. Shorter cut lengths may or may not have leads. Series IIIWP strips are available in 6 colors.
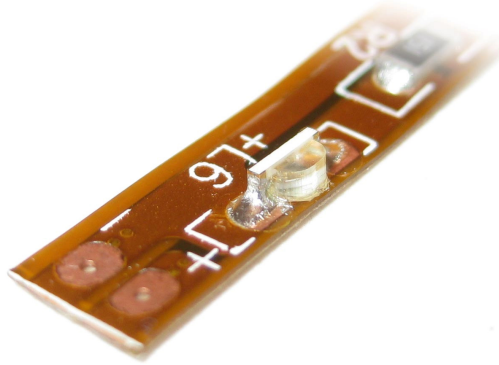
Series IIIWP Specs:	Single Color Strip
Strip Width:	0.43" (11.0mm)
Strip Height:	0.08" (2.0mm)
LED Spacing:	3 every 1.97" (5.0cm)
Weight:	5.770oz (163.6g) per 16ft

Series IV Flexible LED Strips – Sideview LED's

Our Series IV Flexible LED Strips are best suited for most applications that aren't exposed to moisture/contaminants. They are half the weight of our Series I strips (making them the lightest option by far). Series IV Strips utilize sideview LED's, adding variety to your mounting options, and are available in 6 colors. These strips have the advantage of being very light and narrow. The LED's utilized appear very bright when looked at head on. A good way to mount these would be on a wing surface pointing forward. Series IV strips are available in 6 colors.

Series IV Specs:	Single Color Strip
Strip Width:	0.20" (5.0mm)
Strip Height:	0.06" (1.5mm)
LED Spacing:	3 every 1.97" (5.0cm)
Weight:	0.960oz (27.6g) per 16ft

Series V Flexible LED Strips – 5mm Bulb LED's

Our Series V Flexible LED Strips are best suited for most applications that aren't exposed to moisture/contaminants. Series V Strips utilize standard 5mm LED's, adding variety to your mounting options, and are available in 6 colors. An interesting way to mount these would be to put evenly spaced holes in the body and string the strip inside with the LED's pressed into the holes. You could also use these strips to spell out letters and make signs. Unlike our other LED strips, Series V is only available in half-meter (19.7in) lengths, but you can easily solder multiple lengths end to end. Each 19.7in length will come with a short wire lead.

Series V Specs:	Single Color Strip
Strip Width:	0.65" (16.6mm)
Strip Height:	0.23" (5.9mm)
LED Spacing:	3 every 1.97" (5.0cm)
Weight:	0.370oz (10.6g) per 19.7"