



# 6mm RGB LED Flexible Border Tube

AFB6 (Side Bend)



## Overview

Elevate your lighting projects with the vivid colors and sleek aesthetics of Allanson's RGB 6mm LED Flexible Border Tubing. This advanced product is meticulously engineered to deliver vibrant hues through a remarkably slim profile, redefining the standards of modern lighting. Its exceptional flexibility ensures effortless adaptation to a wide range of contours and shapes, offering a versatile and straightforward installation process. Whether enhancing architectural features or creating intricate designs, this LED tubing is the ideal choice for those seeking both beauty and functionality in their lighting solutions.



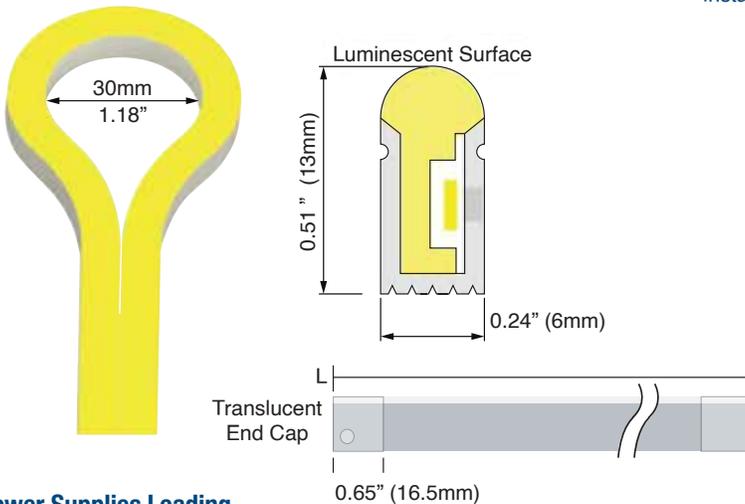
Where to Buy

## Features

- 6mm ultra-slim side-bendable tubing
- 150mm(5.9") power lead with bottom exit end cap on both ends
- RGB color changing
- Consistent and uniform light output
- Easy installation

## Dimensions

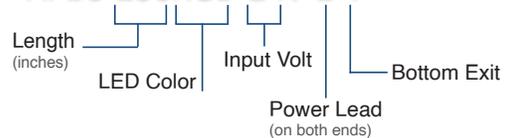
Bending Diameter need to be more than 30mm/1.18".



## Specifications

Operating Temperature.....	-30°C ~ 50°C (-22°F ~ 122°F)
Protection Class.....	IP65 outdoor rated
Voltage.....	24VDC
Rated Power.....	14.4W/M (14.4W/3.28')
Colors.....	RGB
Cut Increments.....	1.97" (50mm)
Packaging.....	0.3m, 1m, 3m and 6m roll (1', 3.28', 9.84' and 19.68')
Warranty.....	3 Years
Part Number.....	AFB6-XXXRGB-24V A B (A: Power Leads/B: Wire Direction)
Installation Hardware.....	Clips & a no exit end cap included but not attached. Type of clips will be determined based on application

- AFB6-012RGB-24V 2 1** — 0.3m Roll (1')
- AFB6-039RGB-24V 2 1** — 1m Roll (3.28')
- AFB6-118RGB-24V 2 1** — 3m Roll (9.84')
- AFB6-236RGB-24V 2 1** — 6m Roll (19.68')



## Power Supplies Loading

	Power Supply Part Number	Output Watts	Input Voltage	Output Volts DC	Max. Capacity
24V	CV244-120-277	96W	120-277	24	21.88' (6.67m)
	CVW244-120-277**	96W	120-277	24	21.88' (6.67m)
	CVW2244-120-277**	192W (96 + 96)	120-277	24	21.88' (6.67m) + 21.88' (6.67m)
	CVW3244-120-277**	288W (96 + 96 + 96)	120-277	24	21.88' (6.67m) + 21.88' (6.67m) + 21.88' (6.67m)

\*Cut Intervals 1.97" (50mm)

\*\*IP68 Rated (Rating for Power Supplies)

\*\*\*Based on 100% load (recommended 80%)



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## Mounting Hardware and Accessories



**PLASTIC CLIP**  
07-979



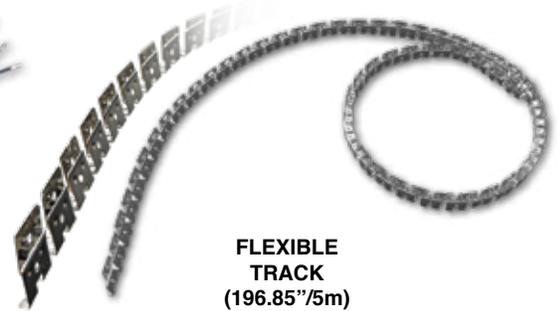
**ALUMINUM CLIP**  
07-978



**ALUMINUM TRACK**  
(39.37"/1m)  
07-986



**PIGTAIL WIRE**  
33-667



**FLEXIBLE TRACK**  
(196.85"/5m)  
07-987

**Note:** Recommended for Indoor Applications



**END CAP NO EXIT**  
29-347A



**END CAP SIDE EXIT (R)**  
29-347B



**END CAP STRAIGHT EXIT**  
29-347C



**END CAP SIDE EXIT (L)**  
29-347D



**END CAP BOTTOM EXIT**  
29-347E

## Warning



1. Follow bending instruction as shown in dimensions.



2. Do not twist the tube. This will damage the PCB.

3. This product adopts low-voltage DC power-supply. It must be used with a class 2 power supply. It is dangerous to connect the product directly with AC main voltage, this will short circuit off the product and may cause electrical shock.



6mm LED FBT Soldering Demo



Wi-Fi Controller Connection Demo

For all your population layout services, please send files to led@allanson.com (acceptable file types include .ai, .eps, .dwg, or .dxf)

