

LED Dual-Bend AC Series



Features

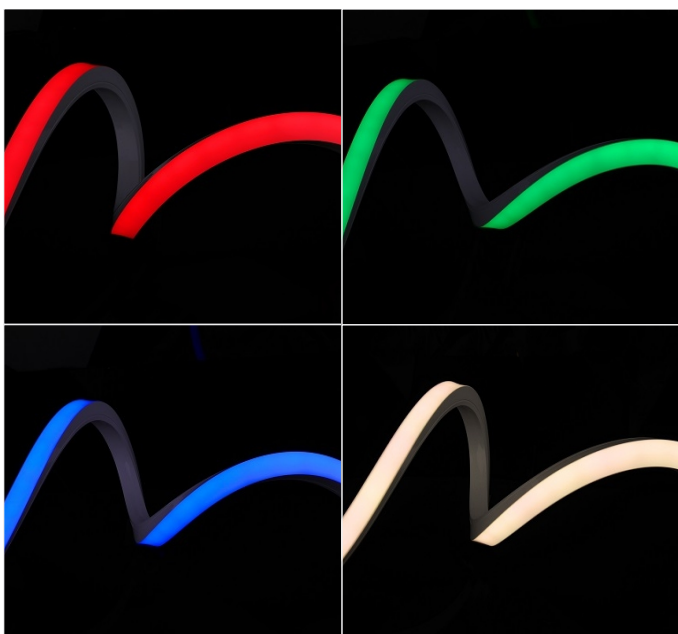
The FSAC-RGBW Flexible dual-bend (both top-bend and side-bend) LED 120V Strip boasts consistent, even illumination at 4.3 watts per foot. The FSAC-RGBW is capable of long run lengths up to 131 feet, with a matte finish, self-cleaning coating, and laser printing. Patented driverless design with onboard constant current IC and rectifier supports direct AC supply and hot plug operation. The FSAC-RGBW is engineered with over-voltage, over-current, and over-temperature protection with an onboard intelligent IC driver.



The extruded, thick, environmentally-friendly silicone jacket provides soft bend flexibility, strong impact resistance, and high weather resistance. Multiple mounting options including flexible aluminum channel. Custom lengths available and cut by factory. IP65 rated for indoor or outdoor wet locations with standard 3-year warranty. LED rated lifespan 36,000 hours, RoHS approved.

Application

The FSAC-RGBW is perfect to create outlines, in coves, to highlight architectural features, and for landscape lighting.



LED Strip Light

General Parameters

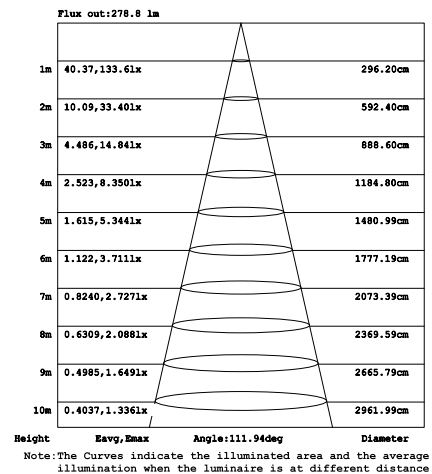
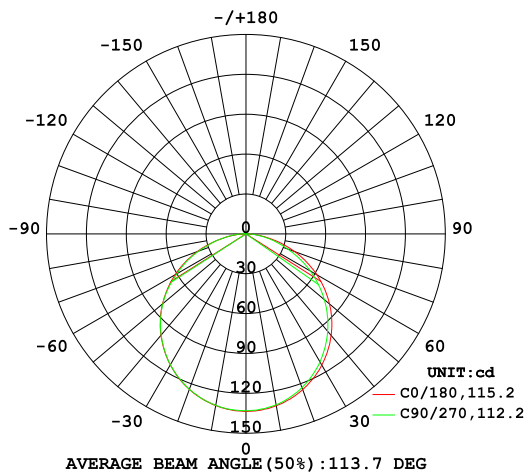
Part No.	Style	Dimension	Max. Length (La)	Strip Increment (L1)	LED Type	LED QTY	IP&IK Rating	Operating Ambient	Lifespan	Warranty
FSAC-RGBW-CU-120	Dual-Bend	W0.91xH0.91in.	131ft.	1ft.	RGBW	28LED/ft.	IP65 [Wet] & IK07	Ta: -4-104°F	L70@3000h Tc≤149°F, (Tc is the temperature of LED pin)	3 years

Photoelectric Parameters

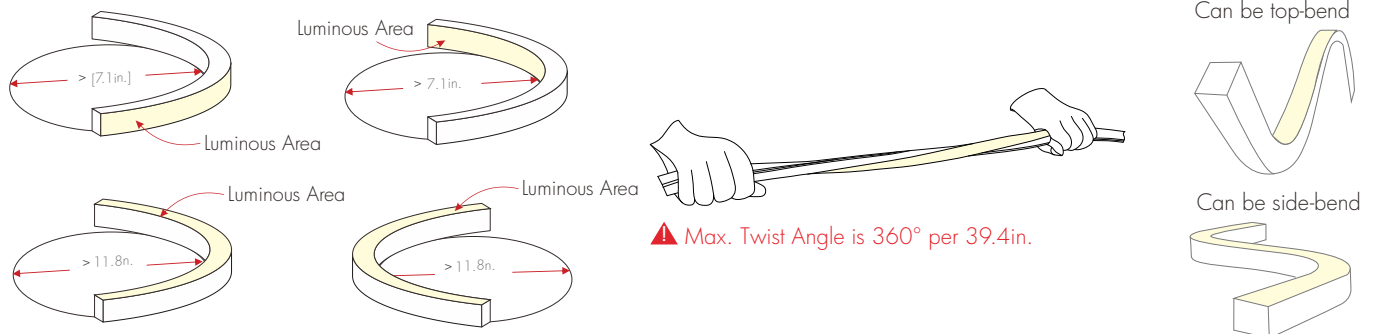
Part No.	Operating Voltage	Power ±10%	Power Factor	Finished Product CCT/ Wavelength	Red Color	Green Color	Blue Color	White Color @CRI90&4000K	Mix Color	Beam Angle
					Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	
FSAC-RGBW-CU-120	120VAC (110-120VAC)	4.3W/ft.	>0.9 (with specified RGBW controller)	Red: 625~630nm (DOM) Green: 520~530nm (DOM) Blue: 465~475nm (DOM) White: 2700~6500K	15lm/ft.	38lm/ft.	7lm/ft.	38lm/ft.	93lm/ft.	120°

Note: (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.

Light Distribution Diagram



FSAC-RGBW-CU-24V



FSAC RGBW SERIES ORDERING INFORMATION

Ordering

Example: FSAC-RGBW-CU-120

Part No.	Color Temp		Length		Voltage	
FSAC	RGBW	DMX RGBW	131	131' Reel	120	110-120VAC
			CU	Custom Length <i>Cut by factory</i> * Max run - 131ft		

Accessories

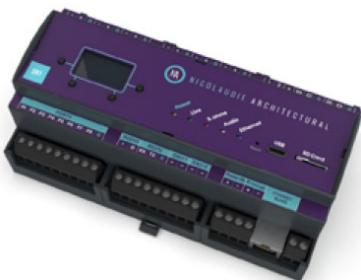
FSAC-RGBW-118-WL	Rear/Bottom/Side Feed Cable with End Cap (1 per Run)
FSAC-RGBW-ENDCAP	End Cap
FDSAC-RGBW-WPFC	Male and Female Connector (waterproof)
FSAC-RGBW-MBKT	Mounting Bracket with Screws (Qty. 2 per)
FSAC-RGBW-FLEXCH	Aluminum Bendable Channel, 32' roll
FSAC-RGBW-INDCH	Aluminum Channel, 39" Section (Indoor)
FSAC-RGBW-OUTCH	Aluminum Channel, 39" Section (Outdoor rated with top clip)

DMX Control

FSAC-RGBW-RDMDMX 1 required per run, AC DMX512+RDM Controller



NIC-DMX-STICK-DE3 - 1,024 Channels, 2 Universes, 10 Zones



NIC-DMX-DINA-DR1 - 3,072 Channels, 6 Universes, 20 Zones

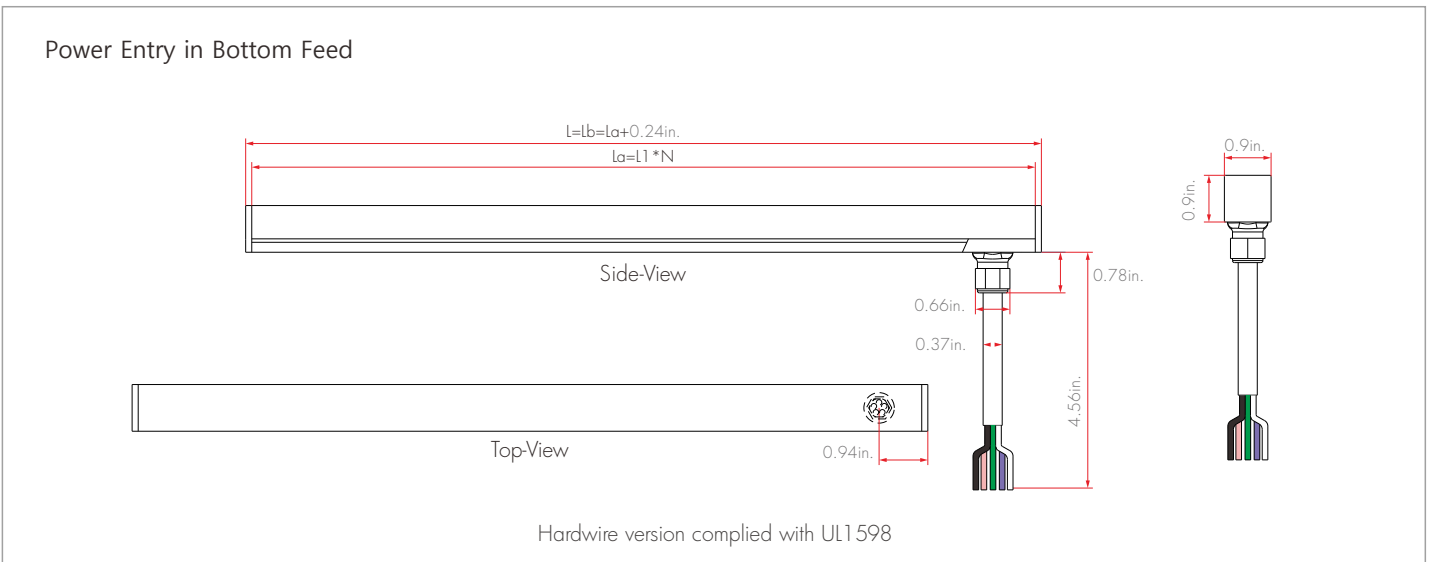
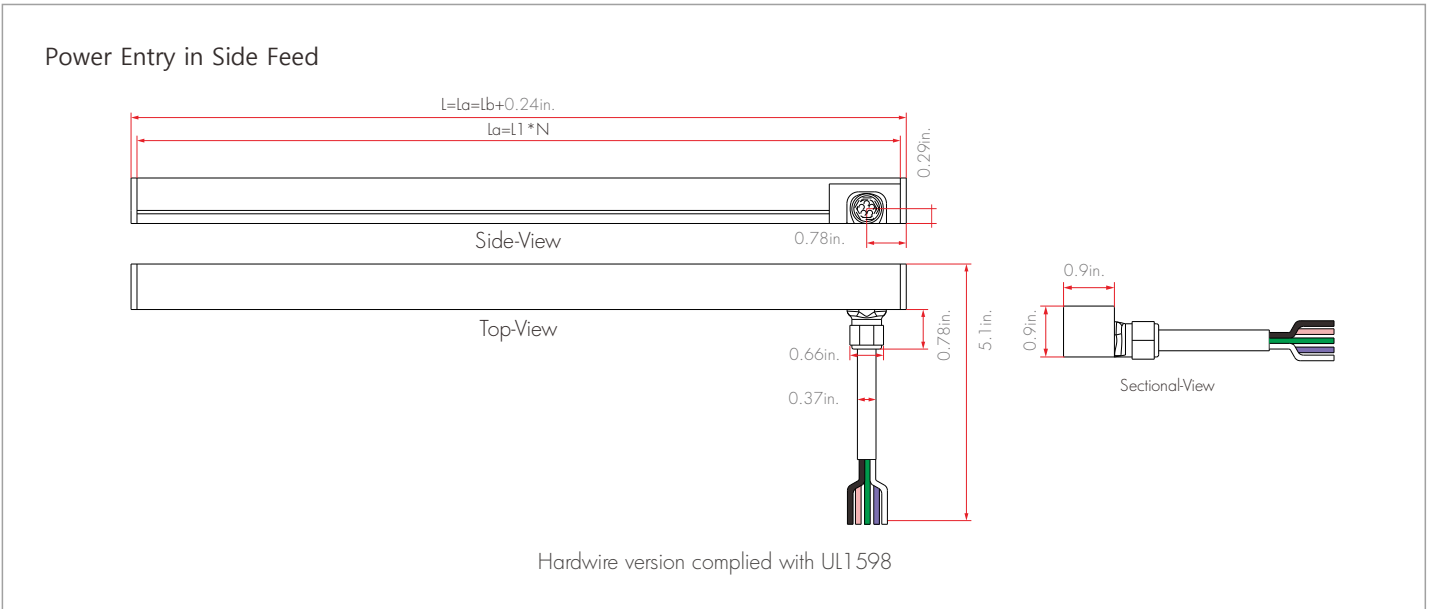
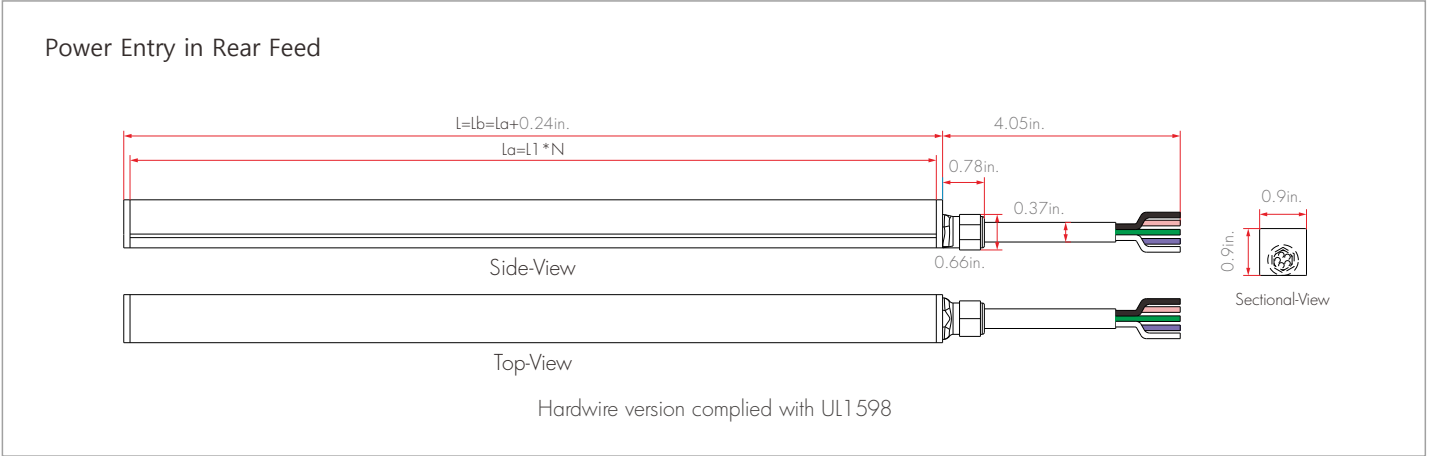
**Additional DMX Control Systems Available. Please Contact Factory.*

LED Strip Light

Diagram (End cap sealed by die-casting process)

L: Total length
 Lb: Luminous surface length
 N: Number ex. 1, 2, 3,.....

La: LED strip length
 L1: LED strip increment



LED Strip Light

Installation

<p>Option 1: Fixed by bracket and screw</p>	<p>FSAC-RGBW-MBKT</p>	<p>Groove size is shown as below</p> <p>Surface Mounting & Flush Mounting</p>
<p>Option 2: Fixed by aluminum profile and screw</p>	<p>FSAC-RGBW-INDCH</p>	<p>Groove size is shown as below</p> <p>Surface Mounting & Flush Mounting</p>
<p>Option 3: Fixed by bendable bracket and screw</p>	<p>FSAC-RGBW-FLEXCH</p>	<p>Groove size is shown as below</p> <p>Surface Mounting & Flush Mounting</p>
<p>Option 4: Fixed by outdoor exclusive kit with aluminum channel and clip</p>	<p>FSAC-RGBW-OUTCH</p>	<p>Groove size is shown as below</p> <p>Surface Mounting</p>

Note: It's also support flush mounting into groove by gluing process.

Connection

5-core of AWG18 cable in SJOW	
Black color	120V+
Pink color	Red-
Green color	Green-
Purple color	Blue-
White color	White-

Controller Type	Input Voltage	Output Voltage	Output Current	Max. Load	Size(L*W*H)	Ambient Temp.
DMX/RDM High Volt LED Strip Controller	110~120VAC	110~120VDC	Max. 4x1.5A	660W@110V	7.1*2.9*1.5in.	-20°C~+50°C

LED Strip Light

- Hardwire version complied with UL1598 -

IMPORTANT SAFETY INSTRUCTIONS

- READ AND FOLLOW ALL SAFETY INSTRUCTIONS
- Do not cover this product as the covering may cause the flexible light to overheat and melt or ignite.
- Do not operate with the flexible light tightly coiled.
- Do not puncture, cut, shorten, or splice the flexible lighting.
- Do not route the cord or flexible lighting through walls, doors, windows or any like part of the building structure
- Do not use if there is any damage to the light or cord insulation. Inspect periodically.
- Do not submerge flexible light in liquids, or use the product in the vicinity of standing water or other liquids.
- Secure this flexible light using only the hangers or clips provided. Do not secure this product or its cord with staples, nails, or like means that may damage the insulation or permanently attach to the building structure.

GFCI PRECAUTION

WARNING:

When using outdoor use portable lighting products, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlet to be used for the outdoor use flexible lighting product. Receptacles are available having built-in GFCI protection for this measure of safety.

Caution

