

NEONFLEX PRO-L SERIES

24V DC RGBW Side Bend Neon

Neonflex Pro is the next generation solution for achieving seamless lines of direct view lighting for any architectural-grade install. UV, flame, and saltwater resistant, Neonflex Pro is not only durable, but easy to install. Featuring multiple power feed options, in-field customization makes for a versatile option for any interior or exterior application.

- RGBW lateral (side bend) LED neon
- Lumen output performance up to 97Lm per foot
- Consumes up to 4.57W per foot
- Cuttable every 2.46" with 16.4ft max run
- Quick install field connections: Front, Side, and Bottom feeds
- UV, flame, and saltwater resistant
- IP67 rating featuring sealed silicone jacketing
- Dimmable (5-100%) with most DMX controls
- cULus Listed for indoor and outdoor wet locations
- 54,000 hours rated life

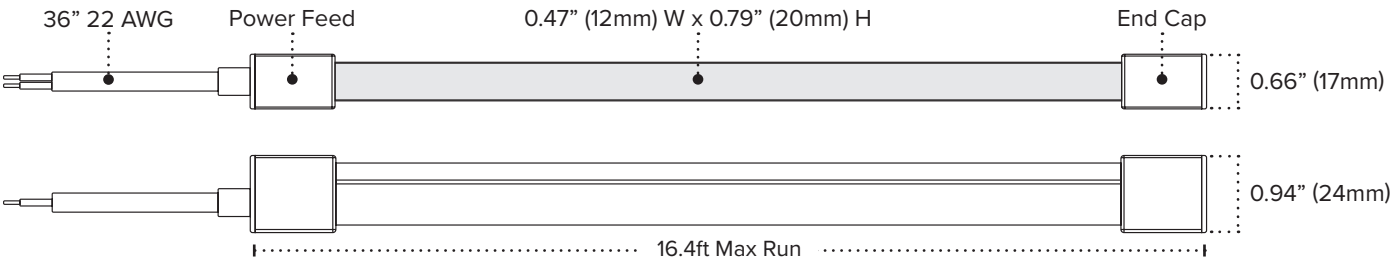


NEONFLEX PRO-L RGBW SERIES QUICK SPECS

VOLTAGE	24V DC
WATTAGE	4.57W / ft
LUMENS	Up to 97Lm / ft
COLOR	RGBW (3000K)
MAX RUN	16.4ft (5m)
CUTTING POINTS	2.46" (62.5mm)
IP RATING	IP67 - Jacketed
DIMMING	(5-100%) Via DMX Controls
DIMENSIONS	0.47" (12mm) W x 0.79" (20mm) H
BEAM ANGLE	120°
STORAGE TEMP	-25°C (-13°F) to 60°C (140°F)**
AMBIENT TEMP	-25°C (-13°F) to 45°C (113°F)**
OPERATING TEMP	-25°C (-13°F) to 45°C (113°F)**
CERTIFICATIONS	cULus Listed - Wet Location
RATED LIFE	54,000 Hours

**Do not install in inclement weather or extreme temperature conditions (i.e. -25°C (-13°F) and below). Recommended to order Custom Cut direct from American Lighting for outdoor installations.

NEONFLEX PRO-L RGBW SERIES QUICK LOOK



PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:



NEONFLEX PRO-L RGBW SERIES CUSTOM CUT ORDERING

Custom Cut Orders - Please Allow Up To 2-4 Weeks Order Processing & Delivery

SERIES

COLOR

LENGTH

NFPROL

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RGBW

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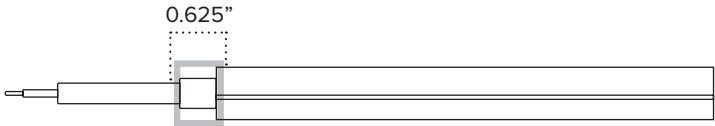
RGBW = RGB+3000K

Custom Cuts: Specify desired length according to cut increment in INCHES. (See page 4 for cut increment chart). Assembly Fee per length of NeonFlex Pro-L RGBW Custom Cut. Custom orders are deemed Final Sale and are not able to be returned or refunded.

NEONFLEX PRO-L RGBW SERIES ASSEMBLY FEES

ITEM NUMBER	DESCRIPTION
CC-LF-NFPROL-5-F	Lead: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Front
CC-LF-NFPROL-5-SL	Lead: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Side Left
CC-LF-NFPROL-5-SR	Lead: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Side Right
CC-LF-NFPROL-5-B	Lead: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Bottom
CC-LTF-NFPROL-5-F	Lead & Tail: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Front
CC-LTF-NFPROL-5-SL	Lead & Tail: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Side Left
CC-LTF-NFPROL-5-SR	Lead & Tail: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Side Right
CC-LTF-NFPROL-5-B	Lead & Tail: 10ft Cable Conkit, Solder, and Injection Mold Seal for Top Bend 5Pin Bottom
CC-SETUP-NFPRO	1-9 CUT SMALL ORDER SETUP FEE FOR NFPRO

NEONFLEX PRO-L RGBW SERIES CONKIT MEASUREMENTS

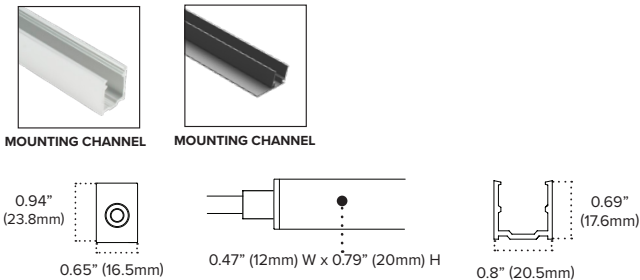


NEONFLEX PRO-L RGBW SERIES SPECIFICATION DETAILS

ITEM NUMBER	VOLTAGE	COLOR	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CUTTING	MAX RUN
NFPROL-RGBW-CC	24V DC	RGBW (3000K)	Custom Cut	97Lm / ft	4.57W / ft	IP67	2.46" (62.5mm)	16.4 ft

NEONFLEX PRO-L SERIES ACCESSORIES

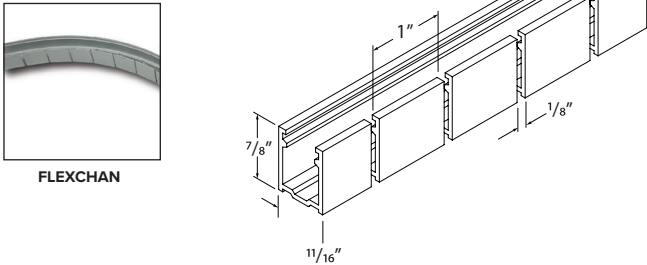
ITEM NUMBER	DESCRIPTION
NFPROL-CHAN-1M	PRO-L 1m Aluminum Channel 17.3mm W x 21.1mm H
NFPROL-FCHAN-1M	PRO-L 1m Black Aluminum "F" Channel 17.3mm W x 21.1mm H + 20mm Flange



NEONFLEX PRO-L SERIES SPECIAL ORDER ACCESSORIES

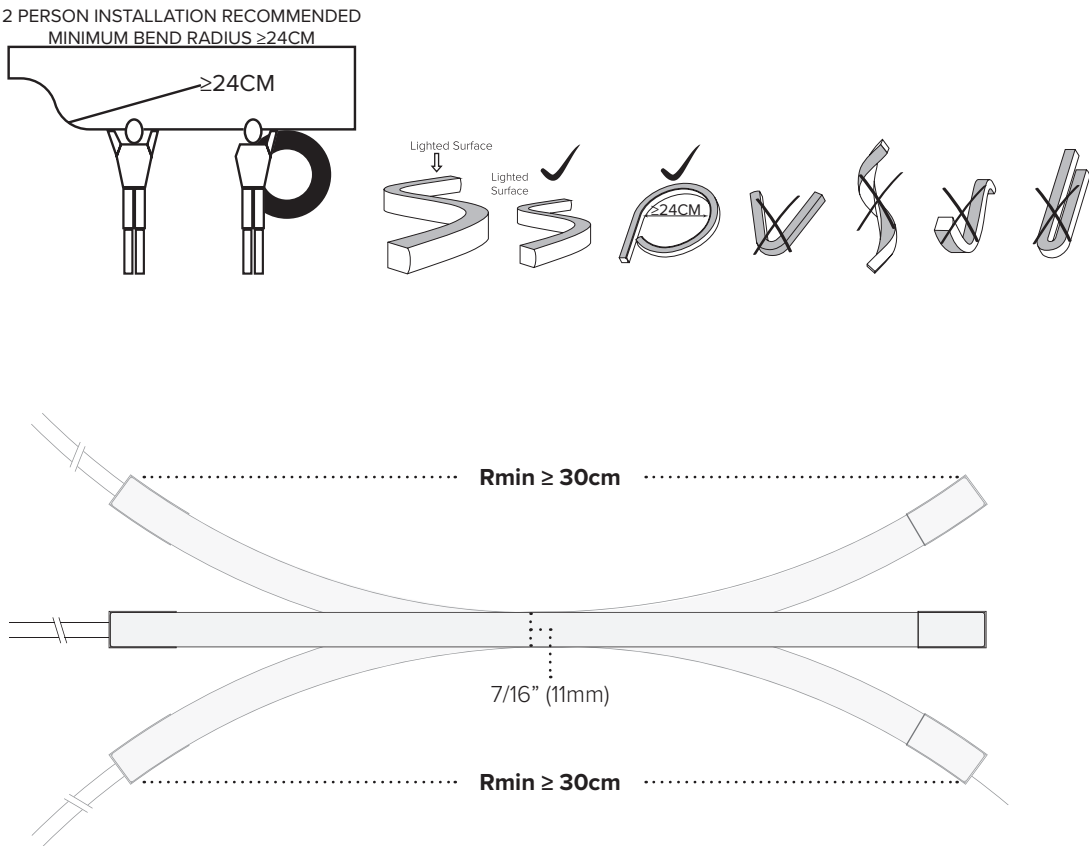
ITEM NUMBER	DESCRIPTION
NFPROL-FLEXCHAN-2M	PRO-L 2m Flexible Aluminum Channel 17.3mm W x 21.1mm H

Special Orders - Please Allow Up To 2-4 Weeks Order Processing & Delivery



RECOMMENDED POWER SUPPLIES				*Phase Dimming Compatible With Most MLV, ELV, and TRIAC Dimmers*		
ITEM NUMBER	DESCRIPTION	MAX / MIN LOAD	INPUT VOLTAGE	OUTPUT VOLTAGE	DIMMABLE	DIMENSIONS
ADPT-DRJ-30-24	Adaptive Series 30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
ADPT-DRJ-60-24	Adaptive Series 60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
ADPT-DRJ-96-24	Adaptive Series 96W	96W / 9.6W	100-277V AC	24V DC	Yes*	8.66"L x 3.6"W x 1.61"H
ADPT-DRJ-192-24	Adaptive Series 192W (2 x 96W)	192W / 19.2W	100-277V AC	24V DC	Yes*	10.94"L x 4.25"W x 1.8"H
ADPT-DRJ-288-24	Adaptive Series 288W (3 x 96W)	288W / 28.8W	100-277V AC	24V DC	Yes*	11.85"L x 4.25"W x 1.8"H

RECOMMENDED HANDLING



NEONFLEX PRO-L RGBW SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)	Length Adder Conkit (Inches)	Length Adder End (Inches)	Total Overall Length - Lead Only (Inches)	Length Adder Conkit & Tail (Inches)	Total Overall Length - Lead & Tail (Inches)
1	62.5	2.46	0.21	0.25	0.125	2.84	0.5	2.96
2	125	4.92	0.41	0.25	0.125	5.30	0.5	5.42
3	187.5	7.38	0.62	0.25	0.125	7.76	0.5	7.88
4	250	9.84	0.82	0.25	0.125	10.22	0.5	10.34
5	312.5	12.30	1.03	0.25	0.125	12.68	0.5	12.80
6	375	14.76	1.23	0.25	0.125	15.14	0.5	15.26
7	437.5	17.22	1.44	0.25	0.125	17.60	0.5	17.72
8	500	19.69	1.64	0.25	0.125	20.06	0.5	20.19
9	562.5	22.15	1.85	0.25	0.125	22.52	0.5	22.65
10	625	24.61	2.05	0.25	0.125	24.98	0.5	25.11
11	687.5	27.07	2.26	0.25	0.125	27.44	0.5	27.57
12	750	29.53	2.46	0.25	0.125	29.90	0.5	30.03
13	812.5	31.99	2.67	0.25	0.125	32.36	0.5	32.49
14	875	34.45	2.87	0.25	0.125	34.82	0.5	34.95
15	937.5	36.91	3.08	0.25	0.125	37.28	0.5	37.41
16	1000	39.37	3.28	0.25	0.125	39.75	0.5	39.87
17	1062.5	41.83	3.49	0.25	0.125	42.21	0.5	42.33
18	1125	44.29	3.69	0.25	0.125	44.67	0.5	44.79
19	1187.5	46.75	3.90	0.25	0.125	47.13	0.5	47.25
20	1250	49.21	4.10	0.25	0.125	49.59	0.5	49.71
21	1312.5	51.67	4.31	0.25	0.125	52.05	0.5	52.17
22	1375	54.13	4.51	0.25	0.125	54.51	0.5	54.63
23	1437.5	56.59	4.72	0.25	0.125	56.97	0.5	57.09
24	1500	59.06	4.92	0.25	0.125	59.43	0.5	59.56
25	1562.5	61.52	5.13	0.25	0.125	61.89	0.5	62.02
26	1625	63.98	5.33	0.25	0.125	64.35	0.5	64.48
27	1687.5	66.44	5.54	0.25	0.125	66.81	0.5	66.94
28	1750	68.90	5.74	0.25	0.125	69.27	0.5	69.40
29	1812.5	71.36	5.95	0.25	0.125	71.73	0.5	71.86
30	1875	73.82	6.15	0.25	0.125	74.19	0.5	74.32
31	1937.5	76.28	6.36	0.25	0.125	76.65	0.5	76.78
32	2000	78.74	6.56	0.25	0.125	79.12	0.5	79.24
33	2062.5	81.20	6.77	0.25	0.125	81.58	0.5	81.70
34	2125	83.66	6.97	0.25	0.125	84.04	0.5	84.16
35	2187.5	86.12	7.18	0.25	0.125	86.50	0.5	86.62
36	2250	88.58	7.38	0.25	0.125	88.96	0.5	89.08
37	2312.5	91.04	7.59	0.25	0.125	91.42	0.5	91.54
38	2375	93.50	7.79	0.25	0.125	93.88	0.5	94.00
39	2437.5	95.96	8.00	0.25	0.125	96.34	0.5	96.46
40	2500	98.43	8.20	0.25	0.125	98.80	0.5	98.93
41	2562.5	100.89	8.41	0.25	0.125	101.26	0.5	101.39
42	2625	103.35	8.61	0.25	0.125	103.72	0.5	103.85
43	2687.5	105.81	8.82	0.25	0.125	106.18	0.5	106.31
44	2750	108.27	9.02	0.25	0.125	108.64	0.5	108.77
45	2812.5	110.73	9.23	0.25	0.125	111.10	0.5	111.23
46	2875	113.19	9.43	0.25	0.125	113.56	0.5	113.69
47	2937.5	115.65	9.64	0.25	0.125	116.02	0.5	116.15
48	3000	118.11	9.84	0.25	0.125	118.49	0.5	118.61
49	3062.5	120.57	10.05	0.25	0.125	120.95	0.5	121.07
50	3125	123.03	10.25	0.25	0.125	123.41	0.5	123.53

NEONFLEX PRO-L RGBW SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)	Length Adder Conkit (Inches)	Length Adder End (Inches)	Total Overall Length - Lead Only (Inches)	Length Adder Conkit & Tail (Inches)	Total Overall Length - Lead & Tail (Inches)
51	3187.5	125.49	10.46	0.25	0.125	125.87	0.5	125.99
52	3250	127.95	10.66	0.25	0.125	128.33	0.5	128.45
53	3312.5	130.41	10.87	0.25	0.125	130.79	0.5	130.91
54	3375	132.87	11.07	0.25	0.125	133.25	0.5	133.37
55	3437.5	135.33	11.28	0.25	0.125	135.71	0.5	135.83
56	3500	137.80	11.48	0.25	0.125	138.17	0.5	138.30
57	3562.5	140.26	11.69	0.25	0.125	140.63	0.5	140.76
58	3625	142.72	11.89	0.25	0.125	143.09	0.5	143.22
59	3687.5	145.18	12.10	0.25	0.125	145.55	0.5	145.68
60	3750	147.64	12.30	0.25	0.125	148.01	0.5	148.14
61	3812.5	150.10	12.51	0.25	0.125	150.47	0.5	150.60
62	3875	152.56	12.71	0.25	0.125	152.93	0.5	153.06
63	3937.5	155.02	12.92	0.25	0.125	155.39	0.5	155.52
64	4000	157.48	13.12	0.25	0.125	157.86	0.5	157.98
65	4062.5	159.94	13.33	0.25	0.125	160.32	0.5	160.44
66	4125	162.40	13.53	0.25	0.125	162.78	0.5	162.90
67	4187.5	164.86	13.74	0.25	0.125	165.24	0.5	165.36
68	4250	167.32	13.94	0.25	0.125	167.70	0.5	167.82
69	4312.5	169.78	14.15	0.25	0.125	170.16	0.5	170.28
70	4375	172.24	14.35	0.25	0.125	172.62	0.5	172.74
71	4437.5	174.70	14.56	0.25	0.125	175.08	0.5	175.20
72	4500	177.17	14.76	0.25	0.125	177.54	0.5	177.67
73	4562.5	179.63	14.97	0.25	0.125	180.00	0.5	180.13
74	4625	182.09	15.17	0.25	0.125	182.46	0.5	182.59
75	4687.5	184.55	15.38	0.25	0.125	184.92	0.5	185.05
76	4750	187.01	15.58	0.25	0.125	187.38	0.5	187.51
77	4812.5	189.47	15.79	0.25	0.125	189.84	0.5	189.97
78	4875	191.93	15.99	0.25	0.125	192.30	0.5	192.43
79	4937.5	194.39	16.20	0.25	0.125	194.76	0.5	194.89
80	5000	196.85	16.40	0.25	0.125	197.23	0.5	197.35



AMERICAN LIGHTING WARRANTY

LIMITED WARRANTY FOR LED PRODUCTS: 3 YEARS

LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed. Warranty periods begin from the date of shipment from American Lighting Inc's warehouse to the original purchaser. Products that prove to be defective during their specific warranty period will be either repaired or replaced, at the sole discretion of American Lighting Inc. Claims for defective products must be submitted in writing to American Lighting Inc's RGA Department within the warranty period. Upon approval of such return, American Lighting Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion, has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and/or damages for personal injury and/or property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty does not apply to any product that has not been properly installed in accordance with current local codes and/or the National Electrical Code. Products that require a transformer, driver, or power supply must be used in conjunction with American Lighting Inc's recommended power supply to ensure safety and retain product warranty.

PRODUCT SPECIFICATIONS

For the latest product information, updates, instructions and details concerning specifications, colors, finishes, performance, installation and design, visit www.americanlighting.com.

Color may vary from the color printed herein due to limitations in photographic and printing processes. American Lighting Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength characteristics and lumen output are subject to production limitations and may vary.

LED technology is changing rapidly, and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% more for a particular project on the same initial order where white LED color temperatures must be maintained over project and product life. Eventual product replacement should be considered at layout and design stages. Best practices also include testing connections and product performance prior to mounting and/or installing.

AVERAGE LIFE

Average incandescent lamp life, rated life and average life are terms used to describe the number of hours at which half of the lamps have failed. For LEDs, the hours of rated life specify the point where 70% of original lumen output is reached. Below this point, the effective life is over, however, the LED may still emit light. Individual results may vary with actual environmental conditions including, but not limited to, proper installation, ambient temperature and/or input voltage fluctuations.