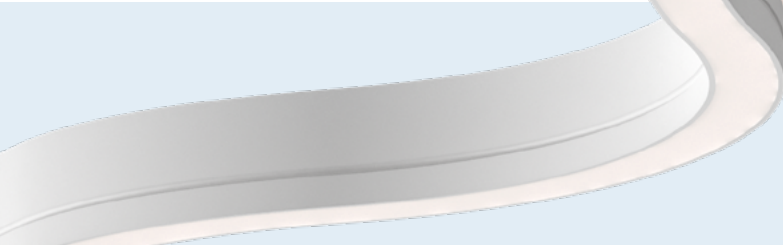
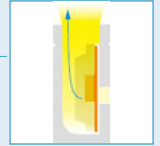


SIDE FLEX NEON FLEX SERIES

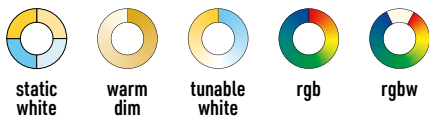
PRODUCT DATA SHEET



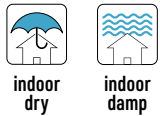
DIMENSIONS		MAX. LENGTH*	MIN. RADIUS
W: 0.47 "	H: 0.81 "	30'	3.54 "
W: 12.0 mm	H: 20.5 mm	9.1 m	90 mm



LED STRIP COLOR OPTIONS



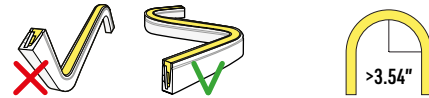
APPLICATIONS



OTHER OPTIONS



BENDING



The Neon Side Flex is a flexible silicone channel that bends side to side on the horizontal axis. With a variety of LED options to choose from it provides a beautifully diffused uniform linear light. Choose from 5 lumen packages and 7 color temperatures. Designed to illuminate downward along curved surfaces, it follows the contours of objects or elements of your décor. Used to highlight bars, shelving, under-cabinet, displays, toe kicks, coves, and anywhere you are looking to add an accent of light.

PRODUCT FEATURES

Flexible sleeve bends side to side on the horizontal axis

Silicone material, resistant to yellowing and high temperature

Uniform light without spots

*Maximum length up to 30 feet with a 1.5w/ft LED. (See table for all max lengths)

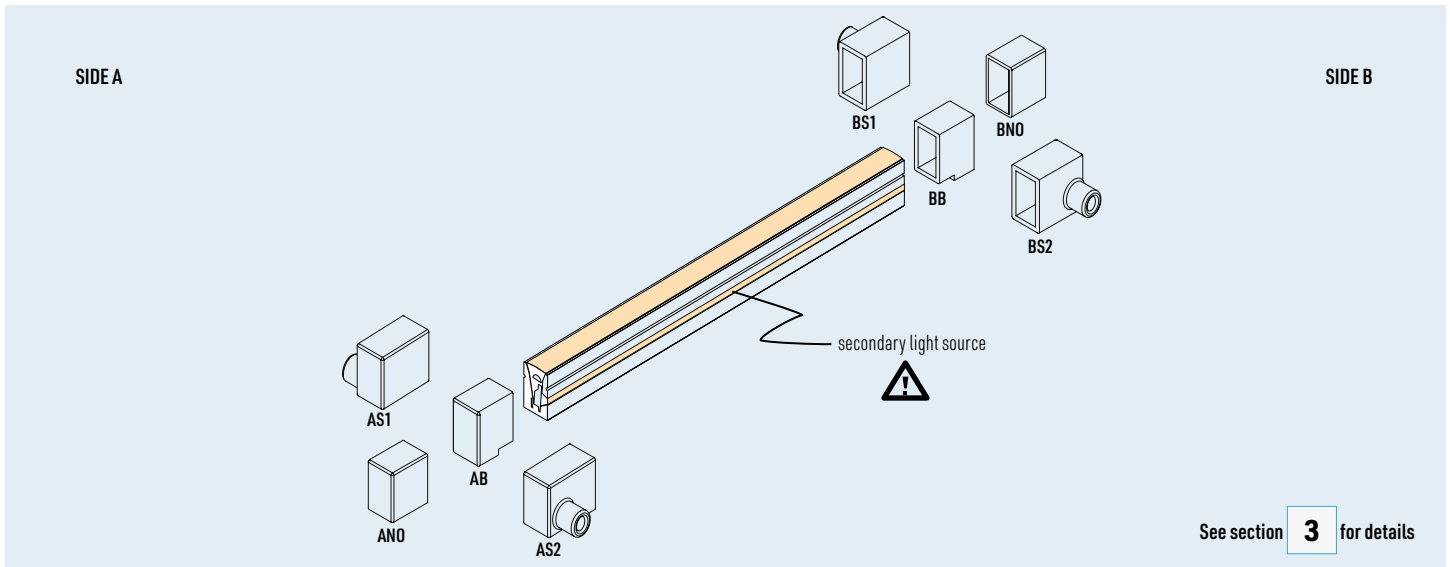
Minimum inner bend radius 90mm (3.54in)

Available in static white, warm dimming, tunable white, and RGB

Includes mounting brackets of extruded anodized aluminum and screws (1 set every 6 inches)

Suitable for indoor use in dry and damp locations





See section **3** for details

SLEEVE MODEL	MOUNTING HARDWARE	CONNECTION TYPE	LEAD IN	LEAD OUT	LENGTH
SF - Side Flex	FL - Flat bracket	HW3 - Hardwire 3 ft HW6 - Hardwire 6 ft HW9 - Hardwire 9 ft HWX - Hardwire custom ft DC3 - DC plug 3 ft DC6 - DC plug 6 ft DC9 - DC plug 9 ft DCX - DC plug custom, ft	AB - Back feed, side A AS1 - Side feed, side A1 AS2 - Side feed, side A2 BB - Back feed, side B BS1 - Side feed, side B1 BS2 - Side feed, side B2	BB - Back feed, side B BS1 - Side feed, side B1 BS2 - Side feed, side B2 BNO - No feed, closed end cap AB - Back feed, side A AS1 - Side feed, side A1 AS2 - Side feed, side A2 ANO - No feed, closed end cap	Custom length by lumen package, in.: LP1 max. 360" LP2 max. 316" TW1 max. 276" LP3 / WD1 / WD3 / RGB1 max. 209" LP4 / TW2 / RGB2 max. 158" LHP max. 131"

SF - **FL** **2** - **2** - **3** - **3** -

SLEEVE MODEL MOUNTING HARDWARE CONNECTION TYPE LEAD-IN LEAD-OUT LENGTH

CCT	LUMEN PACKAGE	USAGE	POWER SUPPLY	CONTROLLER
STATIC WHITE AND WARM DIM LED TAPE OPTIONS (See <i>Delivered Lumens</i> table in section 1 for details).				
<ul style="list-style-type: none"> 24 - 2400K 27 - 2700K 30 - 3000K 35 - 3500K 42 - 4200K 53 - 5300K (LHP only) 62 - 6200K (LP only) WD1 - 2200-2900K - 4.4 W/ft WD3 - 2700-3500K - 4.4 W/ft 	<ul style="list-style-type: none"> LP1 - 1.5 W/ft LP2 - 3.0 W/ft LP3 - 4.4 W/ft LP4 - 5.8 W/ft LHP - 7.0 W/ft <p>Lumen Package selection is not available for WD color options.</p>	I - Indoor dry and damp location	<ul style="list-style-type: none"> A - Non-dimming E - Non-dimming DC plug-in B - ELV dimming 120V AC C - ELV dimming 120/277 VAC (Only available in 96W - 24V driver) D - 0/10V dimming 120/277 VAC G - Lutron - HI-LUME PREMIER 0,1% Eco System 24V/96W NO - No driver 	<ul style="list-style-type: none"> F - DMX K - Casambi CBU-TED-CV-Trail edge dim-Bluetooth 120 VAC I - Casambi CBU-A2D-0/10V-DALI-Bluetooth 100/277 VAC NO - No controller

CCT	LUMEN PACKAGE	USAGE	POWER SUPPLY	CONTROLLER
RGB AND TUNABLE WHITE LED TAPE OPTIONS (See <i>Delivered Lumens</i> table in section 1 for details).				
<ul style="list-style-type: none"> TW1 - Tun. White - 3.5 W/ft TW2 - Tun. White - 5.8 W/ft RGB1 - RGB - 4.4 W/ft RGB2 - RGB - 5.8 W/ft RGBW2 - 3000K 4in1 - 4.4 W/ft 	N/A - Not available with TW and RGB options	I - Indoor dry and damp location	<ul style="list-style-type: none"> A - Non-dimming E - Non-dimming DC plug-in NO - No driver 	<ul style="list-style-type: none"> F - DMX J - Casambi CBU-PWM4-4CH-Bluetooth 100/277VAC NO - No controller

1 - **I** - **4** -

COLOR TEMPERATURE LUMEN PACKAGE USAGE CONTROLLER POWER SUPPLY





PARAMETERS	LP1	LP2	LP3	LP4	LHP	RGB1	RGB2	RGBW2	TW1	TW2	WD1	WD3
LED tape width, mm	8	8	8	10	10	10	10	12	10	10	10	10
LED tape increment, in	1.97	1.97	1.31	0.98	1.31	3.94	2.50	3.94	1.97	1.97	1.97	1.97
LED tape increment, mm	50	50	33	25	33	100	63	100	50	50	50	50
LEDs per meter	120	120	180	240	240	60	112	60	240	240	240	240
Light output, Lm / ft*	137	234	335	488	668	-	-	107	260	427	<192	<202
Efficacy, Lm / W*	91	81	76	84	95	-	-	24	74	74	<44	<46
CRI 90+	✓	✓	✓	✓	✓				✓	✓	✓	✓
R9 60+	✓	✓	✓	✓	✓				✓**	✓**	✓**	✓**
Title24	✓	✓	✓	✓	✓							
Technical sheet	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗

*Average estimate value for 4200K strip without optics or extrusion **At higher CCT value

DELIVERED LUMENS PER LINEAR FOOT

@ FULL LIGHT OUTPUT / 4200K

LP1 - 1.5W/ft	LP2 - 3.0W/ft	LP3 - 4.4W/ft	LP4 - 5.8W/ft	LHP - 7.0W/ft
9	32	61	115	174
89%	91%	95%	96%	100%
2400K	2700K	3000K	3500K	4200K
				6200K

CCT OFFSET

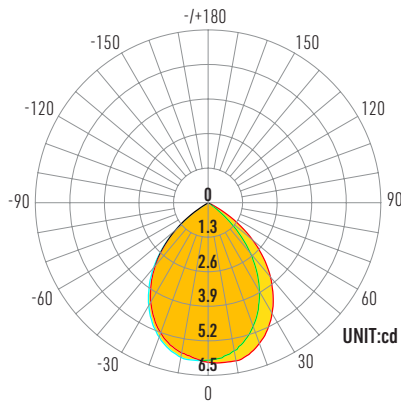
TESTED AT 4200K

LP1	LP2	LP3	LP4	LHP
-9%	-10%	-12%	-13%	-14%



1 - OPTICS: LUMINOUS INTENSITY DISTRIBUTION (PER LENS WITH LP4 - 5.8W/FT LUMEN PACKAGE)

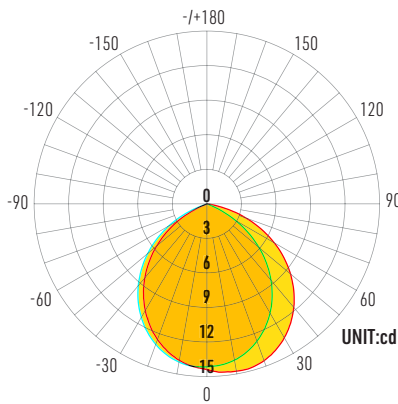
LP1 - 1.5W/ft



AVERAGE BEAM ANGLE: 83 DEG

— C0 / 180 — C90 / 270
lc=6 lc=6

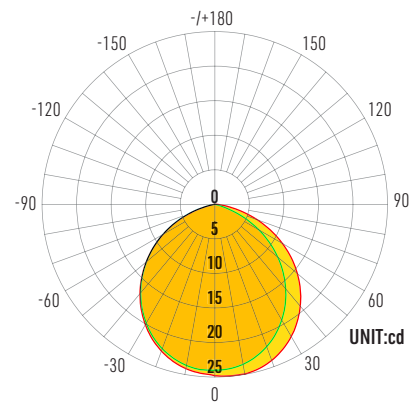
LP2 - 3.0W/ft



AVERAGE BEAM ANGLE: 99 DEG

— C0 / 180 — C90 / 270
lc=15 lc=14

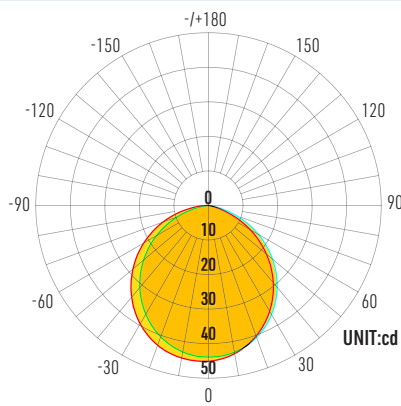
LP3 - 4.4W/ft



AVERAGE BEAM ANGLE: 106 DEG

— C0 / 180 — C90 / 270
lc=25 lc=24

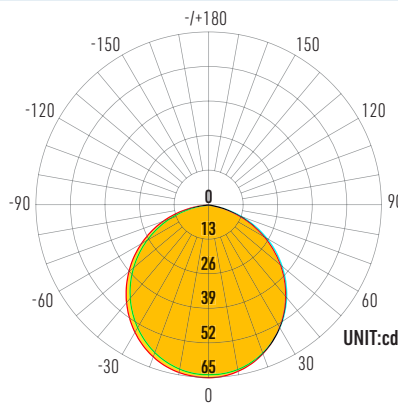
LP4 - 5.8W/ft



AVERAGE BEAM ANGLE: 107 DEG

— C0 / 180 — C90 / 270
lc=45 lc=44

LHP - 7.0W/ft



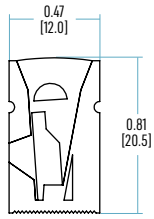
AVERAGE BEAM ANGLE: 110 DEG

— C0 / 180 — C90 / 270
lc=65 lc=64



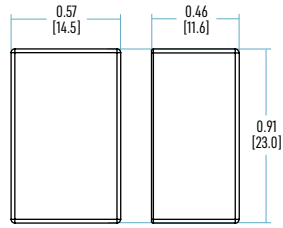
SLEEVE

SIDE FLEX

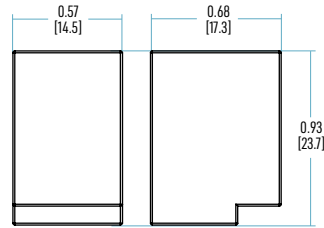


END CAPS

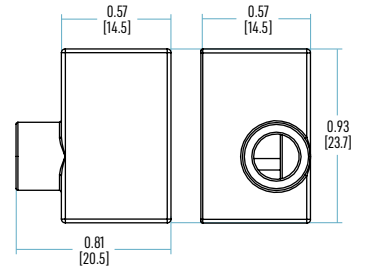
CLOSED (NO HOLE)



BACK FEED (BOTTOM HOLE)



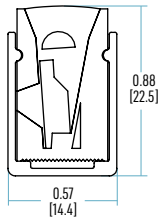
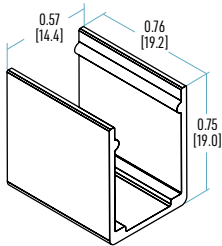
SIDE FEED (SIDE HOLE)



BRACKETS

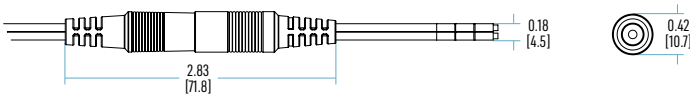
FLAT BRACKET

(extruded anodized aluminum)



CONNECTIONS AND WIRING

DC CONNECTORS (2 pin static white LED tape only)



HARDWIRE

2PIN TEW 22 AWG



2 PIN TR64 22 AWG



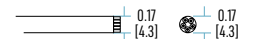
3 PIN (Tunable White)



4 PIN (RGB)



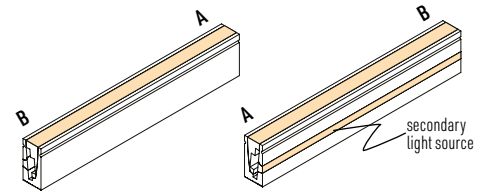
5 PIN (RGBW)



3 - WIRING OPTIONS

SIDE FLEX

IMPORTANT INFORMATION: Side Flex is an asymmetric sleeve and has a secondary light source on one side. Follow the diagram below to correctly identify end cap types and positions when making your selection (the default position of the sleeve is with main light source upwards, secondary light source towards you).



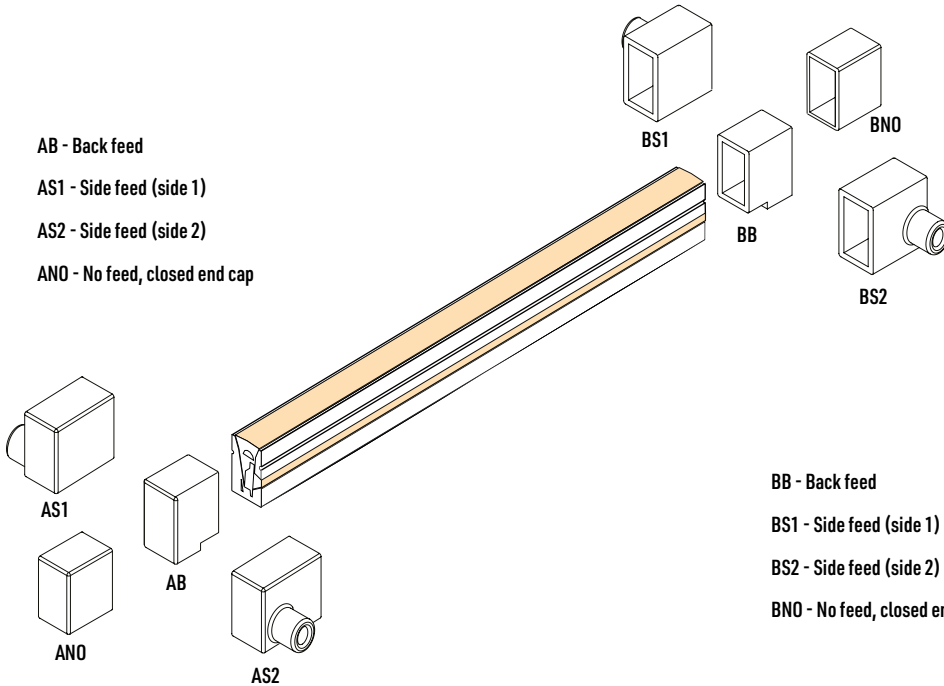
END CAP AND WIRE POSITION

AB - Back feed

AS1 - Side feed (side 1)

AS2 - Side feed (side 2)

ANO - No feed, closed end cap



BB - Back feed

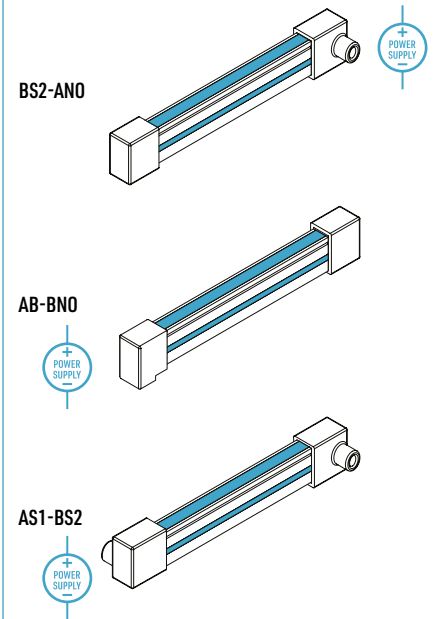
BS1 - Side feed (side 1)

BS2 - Side feed (side 2)

BNO - No feed, closed end cap

CONFIGURATION EXAMPLES

- First part of the code is for electrical input



4 - POWER SUPPLIES 24V

ORDERING CODE	POWER	DIMMING TYPE	RATING*	CERTIFICATIONS	APPLICATION	DIMENSIONS (L x W x H), in	DIMENSIONS (L x W x H), mm	DOC. LINK
A - Non-dimming, hardwire	96W	No dimming	Class2	CE, Class P, cULus, FCC, RoHS	Dry, Damp	8.66 x 3.74 x 1.57	220 x 95 x 40	Link
B - ELV dimming 120 VAC, hardwire	25W	ELV / MLV	Class2	ETL, FCC, RoHS	Dry, Damp	13.62 x 3.07 x 1.48	346 x 78 x 37.5	Link
B - ELV dimming 120 VAC, hardwire	50W	ELV / MLV	Class2	ETL, FCC, RoHS	Dry, Damp	13.62 x 3.07 x 1.48	346 x 78 x 37.5	Link
B - ELV dimming 120 VAC, hardwire	96W	ELV / MLV	Class2	ETL, FCC, RoHS	Dry, Damp, Wet	14.96 x 3.03 x 2.24	380 x 77 x 57	Link
C - ELV dimming 120/277 VAC, hardwire	96W	ELV / MLV	Class2	Class P, cULus, FCC, RoHS	Dry, Damp, Wet	8.66 x 3.66 x 1.61	220 x 93 x 41	Link
D - 0-10V dimming 120/277 VAC, hardwire	96W	0 - 10V	Class2	cULus, FCC, RoHS	Dry, Damp, Wet	8.66 x 3.66 x 1.61	220 x 93 x 41	Link
E - Non-dimming, DC plug	24W	No dimming	Class2	cULus, FCC, RoHS	Dry	2.42 x 1.47 x 1.16	61.4 x 37.4 x 29.4	Link
E - Non-dimming, DC plug	60W	No dimming	Class2	ETL, FCC, RoHS	Dry	4.59 x 2.04 x 1.38	116.5 x 51.7 x 35	Link
E - Non-dimming, DC plug	96W	No dimming	Class2	cULus, FCC, RoHS	Dry	6.06 x 2.44 x 1.50	154 x 62 x 38	Link
G - Lutron - HI-LUME PREMIER	96W	0 - 10V	Class2	cULus, FCC, RoHS	Dry	10.51 x 5.51 x 2.01	267 x 140 x 51	Link

*A Class 2 LED driver is designed to deliver a limited amount of electrical power to LED lighting fixtures. It refers to a set of safety standards established by the Canadian Electric Code (CEC) and the National Electrical Code (NEC), which governs the use of low-voltage power sources in buildings.

Class 2 LED drivers are important because they provide a safe and reliable power source for LED lighting systems. These drivers are designed to limit the amount of electrical current and voltage that is delivered to the LED fixtures, which helps to prevent electrical shock hazards and minimize the risk of fire or other electrical hazards.

Additionally, Class 2 LED drivers are typically more energy-efficient than other types of power supplies, which can help to reduce energy consumption and lower operating costs for LED lighting systems.

