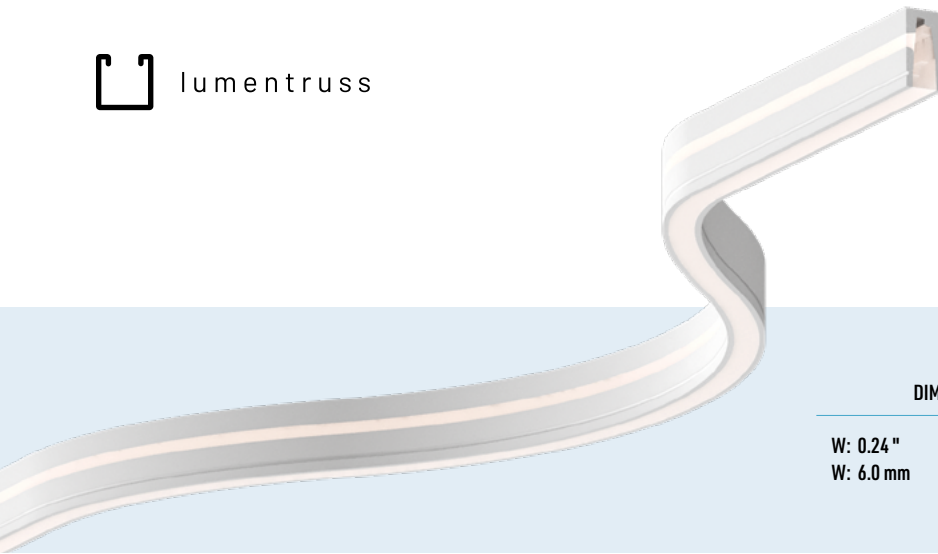
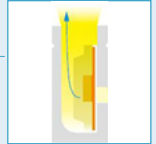


MINI SIDE FLEX NEON FLEX SERIES

PRODUCT DATA SHEET



DIMENSIONS		MAX. LENGTH	MIN. RADIUS
W: 0.24 "	H: 0.47 "	16.4'	3.54 "
W: 6.0 mm	H: 12.0 mm	5 m	90 mm



LED STRIP COLOR OPTIONS



static white

APPLICATIONS



indoor dry



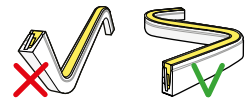
indoor damp

OTHER OPTIONS



dot-free

BENDING



The Neon Mini Side Flex is a flexible silicone channel that bends side to side on the horizontal axis. With LED strip embedded inside, it provides a beautifully diffused uniform linear light. Choose from 3 lumen packages and 6 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

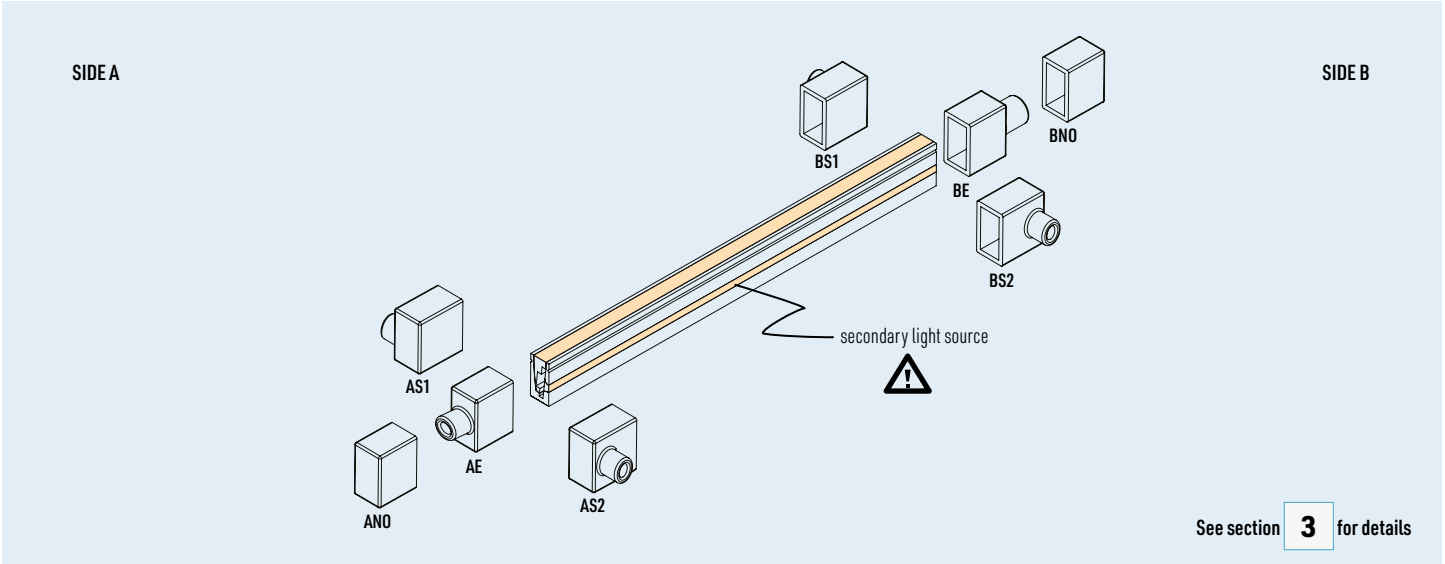
Maximum length up to 16.4 feet (5m)

Minimum inner bend radius 90mm (3.54in)

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

Suitable for indoor use in dry and damp locations





SLEEVE MODEL	MOUNTING HARDWARE	CONNECTION TYPE	LEAD IN	LEAD OUT	LENGTH
MSF - Mini Side Flex	FL - Flat bracket	HW3 - Hardwire 3 ft	AE - End feed, side A	BE - End feed, side B	Custom length up to 196 inches (5m).
		HW6 - Hardwire 6 ft	AS1 - Side feed, side A1	BS1 - Side feed, side B1	
		HW9 - Hardwire 9 ft	AS2 - Side feed, side A2	BS2 - Side feed, side B2	
		HWX - Hardwire custom ft		BNO - No feed, closed end cap	
		DC3 - DC plug 3 ft	BE - End feed, side B	AE - End feed, side A	
		DC6 - DC plug 6 ft	BS1 - Side feed, side B1	AS1 - Side feed, side A1	
		DC9 - DC plug 9 ft	BS2 - Side feed, side B2	AS2 - Side feed, side A2	
		DCX - DC plug custom, ft		ANO - No feed, closed end cap	

MSF - SLEEVE MODEL FL - MOUNTING HARDWARE 2 - CONNECTION TYPE 2 - LEAD-IN 3 - LEAD-OUT 3 - LENGTH

CCT	LUMEN PACKAGE	USAGE	POWER SUPPLY	CONTROLLER
STATIC WHITE TAPE OPTIONS (See Delivered Lumens table in section 1 for details.)				
24 - 2400K	LP1 - 1.5 W/ft	I - Indoor dry and damp location	A - Non-dimming	F - DMX
27 - 2700K	LP2 - 3.0 W/ft		E - Non-dimming DC plug-in	
30 - 3000K	LP3 - 4.4 W/ft		B - ELV dimming 120V AC	K - Casambi CBU-TED-CV-Trail edge dim-Bluetooth 120 VAC
35 - 3500K			C - ELV dimming 120/277 VAC (Only available in 96W - 24V driver)	
42 - 4200K			D - 0/10V dimming 120/277 VAC	I - Casambi CBU-A2D-0/10V-DALI-Bluetooth 100/277 VAC
62 - 6200K			G - Lutron - HI-LUME PREMIER 0,1% Eco System 24V/96W	
			NO - No driver	NO - No controller

1 - LUMEN PACKAGE I - USAGE 4 - POWER SUPPLY





PARAMETERS	LP1	LP2	LP3
LED tape width, mm	8	8	8
LED tape increment, in	1.97	1.97	1.31
LED tape increment, mm	50	50	33
LEDs per meter	120	120	180
Light output, Lm / ft*	137	234	335
Efficacy, Lm / W*	91	81	76
CRI 90+	✓	✓	✓
R9 60+	✓	✓	✓
Title24	✓	✓	✓
Technical sheet	🔗	🔗	🔗

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

DELIVERED LUMENS PER LINEAR FOOT

@ FULL LIGHT OUTPUT / 4200K

LP1 - 1.5W/ft		LP2 - 3.0W/ft		LP3 - 4.4W/ft	
27		43		49	

89%	91%	95%	96%	100%	107%
2400K	2700K	3000K	3500K	4200K	6200K

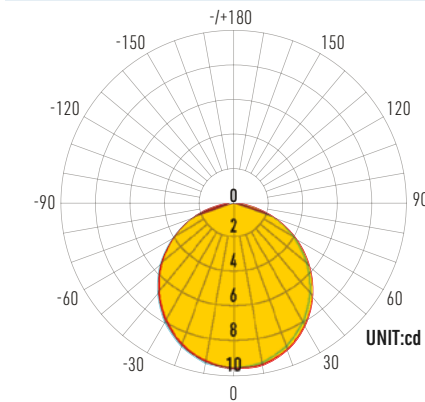
CCT OFFSET

TESTED AT 4200K

LP1	LP2	LP3
-21%	-21%	-19%

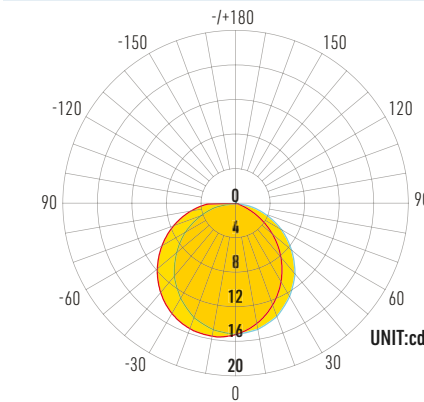
LUMINOUS INTENSITY DISTRIBUTION

LP1 - 1.5W/ft



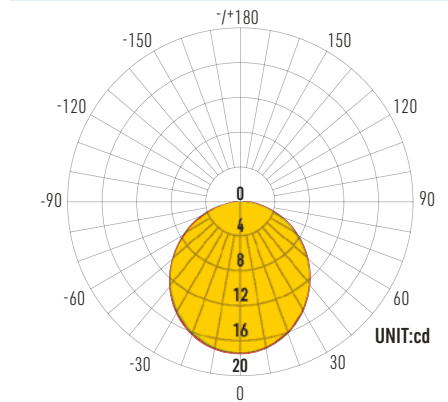
AVERAGE BEAM ANGLE: 143 DEG
 — C0 / 180 — C90 / 270

LP2 - 3.0W/ft



AVERAGE BEAM ANGLE: 111 DEG
 — C0 / 180 — C90 / 270

LP3 - 4.4W/ft

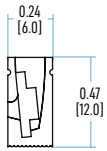


AVERAGE BEAM ANGLE: 112 DEG
 — C0 / 180 — C90 / 270



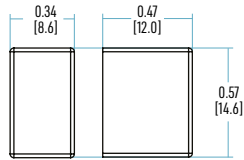
SLEEVE

MINI SIDE FLEX

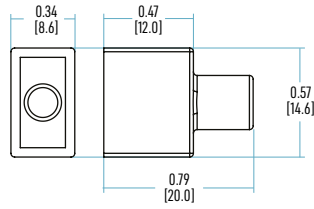


END CAPS

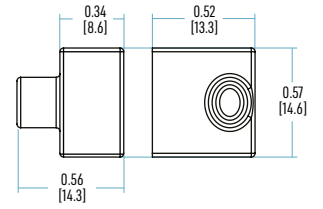
CLOSED (NO HOLE)



END FEED (FRONT HOLE)



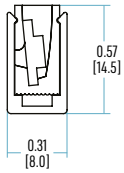
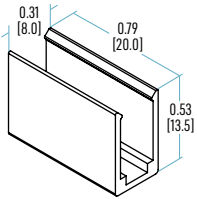
SIDE FEED (SIDE HOLE)



BRACKETS

FLAT BRACKET

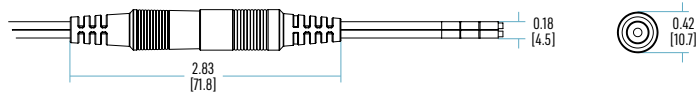
(extruded anodized aluminum)



CONNECTIONS AND WIRING

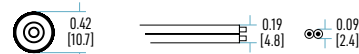
DC CONNECTORS (2 pin static white LED tape only)

IP22 INDOOR APPLICATIONS

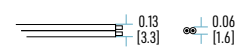


HARDWIRE

2PIN TEW 22 AWG



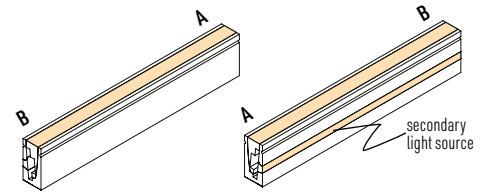
2 PIN TR64 22 AWG



3 - WIRING OPTIONS

MINI SIDE FLEX

IMPORTANT INFORMATION: Mini 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).



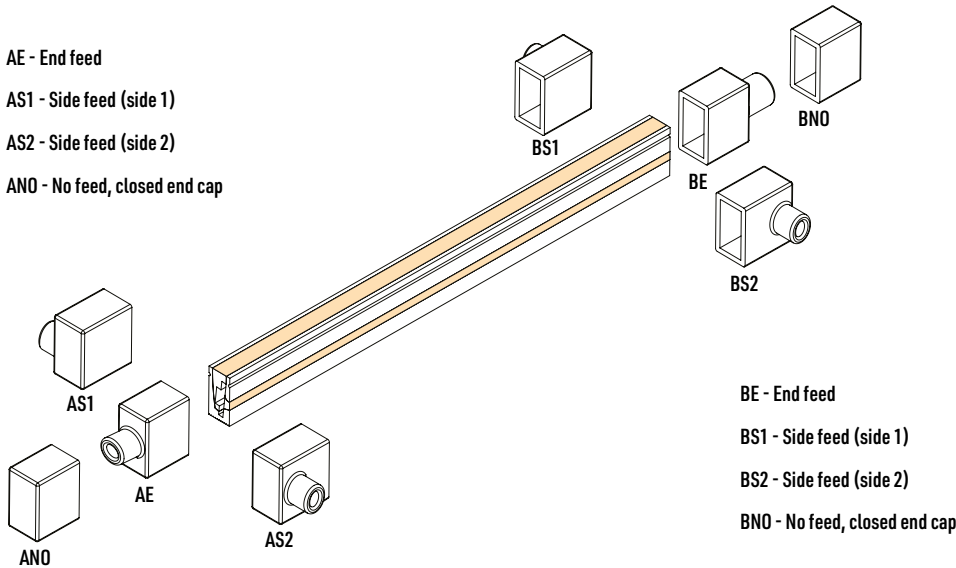
END CAP AND WIRE POSITION

AE - End feed

AS1 - Side feed (side 1)

AS2 - Side feed (side 2)

ANO - No feed, closed end cap



BE - End feed

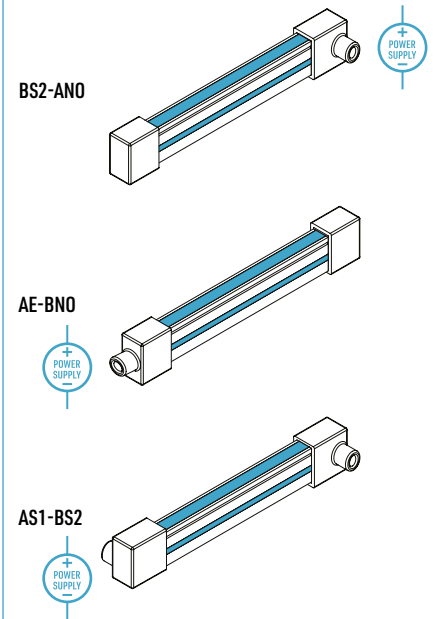
BS1 - Side feed (side 1)

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.

