

# 180 FLEX NEON FLEX SERIES

## PRODUCT DATA SHEET



DIMENSIONS		MAX. LENGTH*	MIN. RADIUS
W: 0.52 "	H: 0.52 "	30'	5"
W: 13.5 mm	H: 13.5 mm	9.1 m	125 mm



### LED STRIP COLOR OPTIONS



static white

### APPLICATIONS



indoor dry



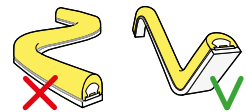
indoor damp

### OTHER OPTIONS



dot-free

### BENDING



The 180 Neon Flex is a flexible silicone channel that bends up and down on the vertical axis. With LED strip embedded inside, it provides 180 degrees of continuous and uniform linear light. Choose from 3 lumen packages and 6 color temperatures. Designed to illuminate 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 up and down on the vertical 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 125mm (5in)

Includes PVC mounting brackets 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
180F - 180 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	E - End feed	E - End feed NO - No feed, closed end cap	Custom length by lumen package, in.: LP1 max. 360" LP2 max. 316" LP3 max. 209"
<b>180F</b>	<b>FL</b> <b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	
SLEEVE MODEL	MOUNTING HARDWARE	CONNECTION TYPE	LEAD-IN	LEAD-OUT	LENGTH

CCT	LUMEN PACKAGE	USAGE	POWER SUPPLY	CONTROLLER
<b>STATIC WHITE TAPE OPTIONS</b> (See <b>Delivered Lumens</b> table in section <b>1</b> for details).				
24 - 2400K 27 - 2700K 30 - 3000K 35 - 3500K 42 - 4200K 62 - 6200K	LP1 - 1.5 W/ft LP2 - 3.0 W/ft LP3 - 4.4 W/ft	I - Indoor dry and damp location	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	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
	<b>1</b>	<b>I</b>		<b>4</b>
COLOR TEMPERATURE	LUMEN PACKAGE	USAGE	CONTROLLER	POWER SUPPLY

TITLE 24 COMPLIANT



**LED TAPES**   

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	<a href="#">🔗</a>	<a href="#">🔗</a>	<a href="#">🔗</a>

\*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
78	131	164

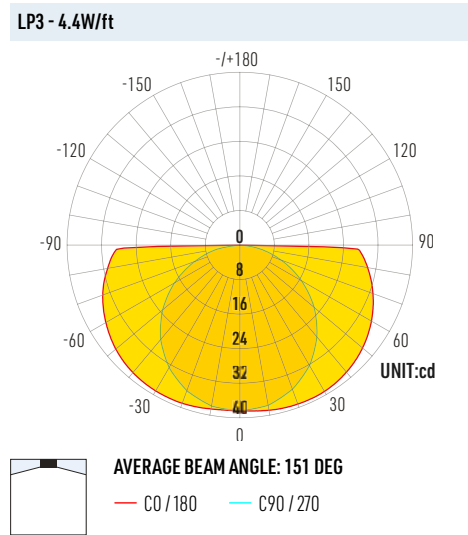
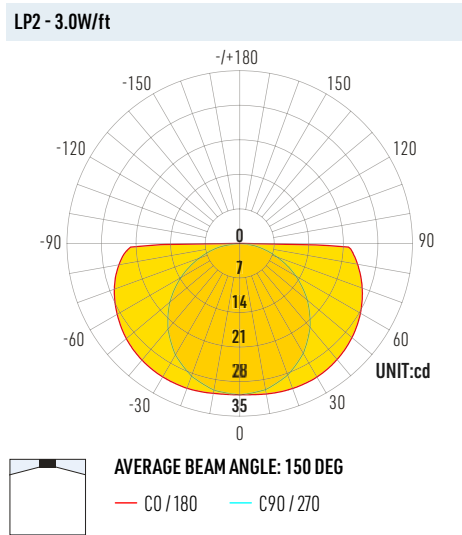
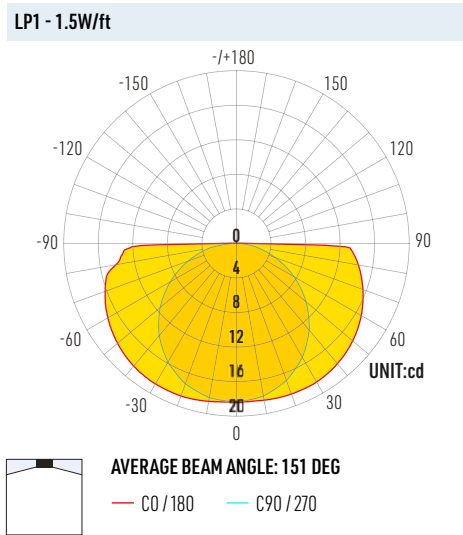
89%	91%	95%	96%	100%	107%
2400K	2700K	3000K	3500K	4200K	6200K

**CCT OFFSET**

TESTED AT 4200K

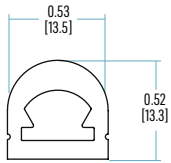
LP1	LP2	LP3
-10%	-10%	-10%

**LUMINOUS INTENSITY DISTRIBUTION**



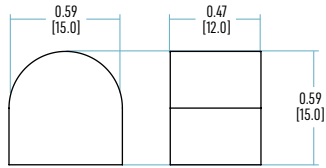
**SLEEVE**

180 FLEX

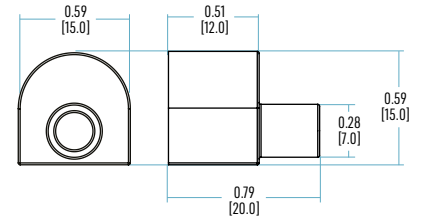


**END CAPS**

CLOSED (NO HOLE)

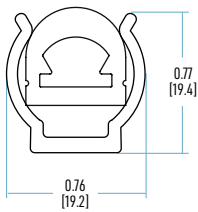
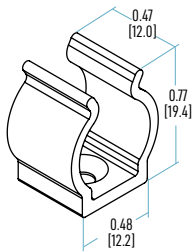


END FEED (FRONT HOLE)



**BRACKETS**

FLAT BRACKET  
(PVC)



**CONNECTIONS AND WIRING**

DC CONNECTORS (2 pin static white LED tape only)

HARDWIRE

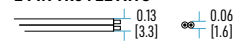
IP22 INDOOR APPLICATIONS



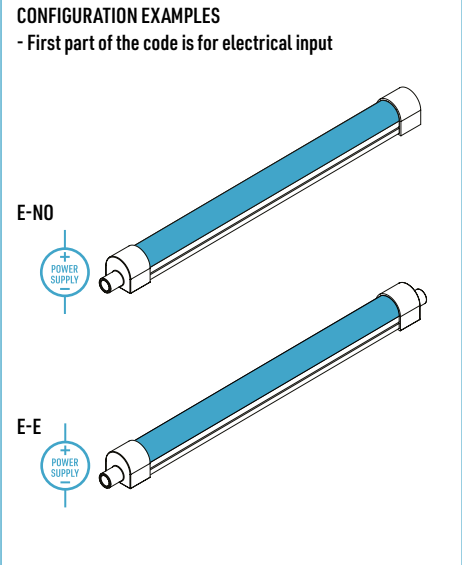
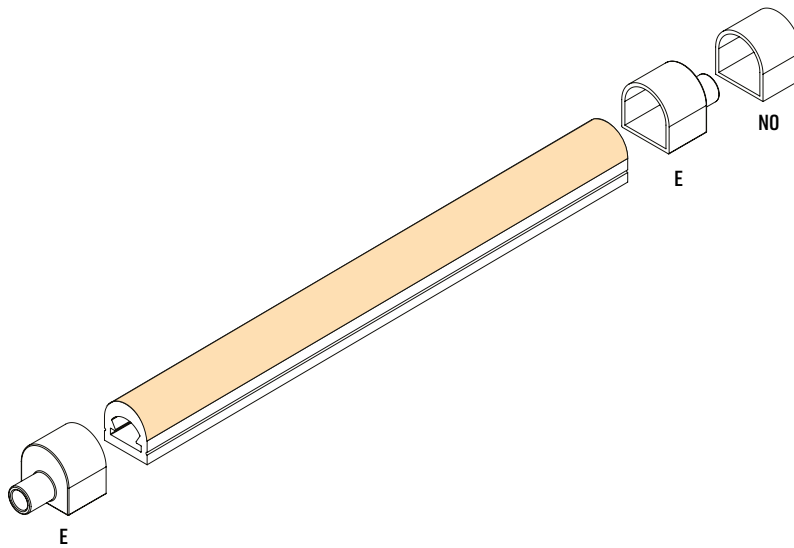
2PIN TEW 22 AWG



2 PIN TR64 22 AWG



END CAP AND WIRE POSITION



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
<b>A</b> - 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	<a href="#">Link</a>
<b>B</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	<a href="#">Link</a>
<b>B</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	<a href="#">Link</a>
<b>B</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	<a href="#">Link</a>
<b>C</b> - 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	<a href="#">Link</a>
<b>D</b> - 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	<a href="#">Link</a>
<b>E</b> - 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	<a href="#">Link</a>
<b>E</b> - 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	<a href="#">Link</a>
<b>E</b> - 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	<a href="#">Link</a>
<b>G</b> - 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	<a href="#">Link</a>

\*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.

