

LNT-85

IP68 FLEXIBLE LED NEON SERIES

Project _____

Location _____

Quote/ Ref # _____

The **LNT-85** is a high performance flexible LED fixture that is useful in a wide variety of indoor or outdoor applications where a smooth surface or continuous line of light is desired. It is a flexible strip light that can bend around contours or tight curves horizontally or vertically without being damaged.



SPECIFICATIONS

INPUT VOLTAGE	24V DC Constant Voltage
POWER CONSUMPTION	5.1W
LUMEN OUTPUT	554 Lm./ Ft. (VB) 462 Lm./ Ft. (HB)
CRI	90+
COLOR TEMPERATURE	22K / 27K / 30K / 35K / 40K / 50K
DIMMING/ CONTROL	MLV, ELV, 0-10, and TRIAC
MAXIMUM RUN LENGTH	20 Ft.
CUT INTERVALS	Every 55.6mm (2.19 in)
POWER FACTOR	≤1
STORAGE TEMPERATURE	-40°F (-40°C) to 140°F (60°C)
OPERATING TEMPERATURE	-40°F (-40°C) to 113°F (45°C)
BEAM ANGLE	120°
HUMIDITY	0-95% Non Condensing
IP RATING	IP68
CERTIFICATIONS	UL Listed
LUMEN MAINTENANCE	50,000 Hrs.

FEATURES

- High color consistency
- Smooth illumination
- Continuous run length up to 20 Ft.
- Dimmable with CORE dimmable drivers
- UV Resistant
- UL Listed (US and Canada)

LUMENS

CCT	VERTICAL BEND (Lm/ FT)	HORIZONTAL BEND (Lm/ FT)	CRI
2200K	456	380	90+
2700K	494	412	90+
3000K	494	412	90+
3500K	533	444	90+
4000K	533	444	90+
5000K	554	462	90+

* This product is factory-cut only. Do not field modify.

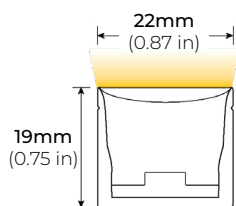


MODEL	SURFACE	CCT	LENGTH	VOLT	INPUT	FEED LENGTH	OUTPUT	FEED LENGTH*
LNT85	HB Horizontal Bend	22K 2200K	Please refer to page 4 for exact lengths with corresponding ordering codes.	24 24V DC	IP68EF End Feed	HW3 3 Ft. Power Feed	IP68EF End Feed	HW3 3 Ft. Power Feed
		27K 2700K			IP68SFL Side Feed Left	HW10 10 Ft. Power Feed	IP68SFL Side Feed Left	HW10 10 Ft. Power Feed
	VB Vertical Bend	30K 3000K			IP68SFR Side Feed Right	HW16 16 Ft. Power Feed	IP68SFR Side Feed Right	HW16 16 Ft. Power Feed
		35K 3500K			IP68BF Bottom Feed	HW30 30 Ft. Power Feed	IP68BF Bottom Feed	HW30 30 Ft. Power Feed
		40K 4000K				HW50 50 Ft. Power Feed		HW50 50 Ft. Power Feed
		50K 5000K						
							EC End Cap	
* Not compatible with End Cap (EC)								

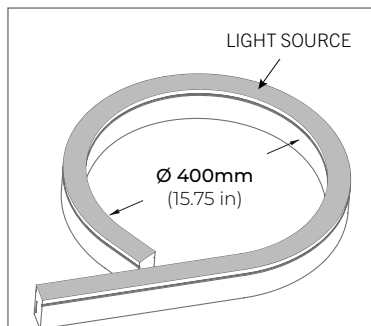
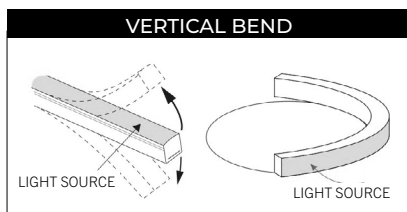
LNT-85

IP68 FLEXIBLE LED NEON SERIES

DIMENSIONS

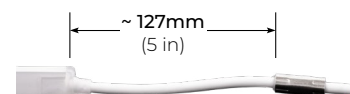
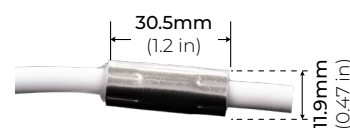


LNT-85-VB



BEND DIAMETER

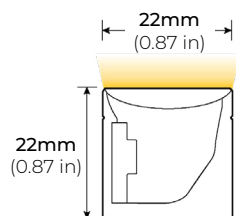
LED strip only bends along horizontal axis. Bending the LED strip vertically (perpendicular) to the light surface risks damage to the LED strip. Do **NOT** bend more than the indicated bend radius (shown above). Doing so will damage the LED strip.



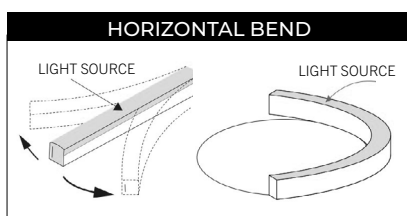
POWER FEED CHOKER

All CORE Lighting IP67/IP68 Neons include a choker that sits roughly 5" from the end of the Neon.

**Warranty is void if removed.*



LNT-85-HB



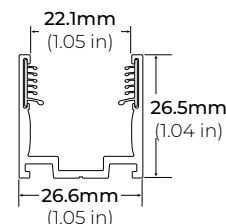
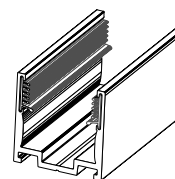
COMPATIBLE ACCESSORIES

ALUMINUM PROFILE

HORIZONTAL BEND

LNT85-HB-AC2-SI
2" PROFILE

LNT85-HB-AC39-SI
39" PROFILE

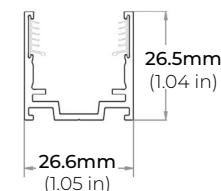
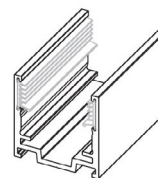


LNT85-HB-AC2/ AC39

VERTICAL BEND

LNT85-VB-AC2-SI
2" PROFILE

LNT85-VB-AC39-SI
39" PROFILE

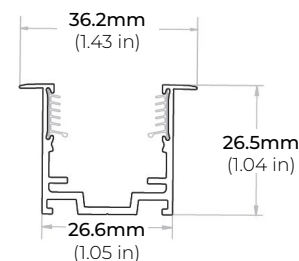
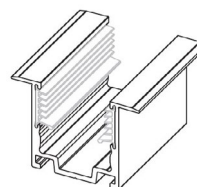


LNT85-VB-AC2/ AC39

FLANGED ALUMINUM PROFILE

VERTICAL BEND

LNT85-VB-RS39-SI
39" PROFILE



LNT-85

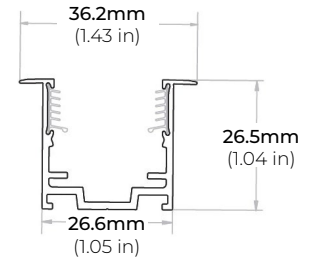
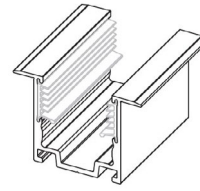
IP68 FLEXIBLE LED NEON SERIES

COMPATIBLE ACCESSORIES

FLANGED ALUMINUM PROFILE

VERTICAL BEND

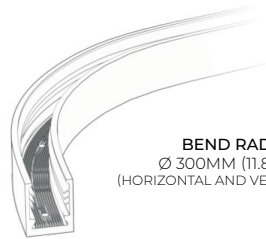
LNT85-VB-RS39-SI
39" PROFILE



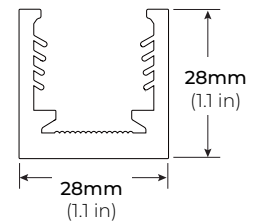
FLEXIBLE PROFILE

LNT85-SPX39-WH
39" PROFILE (WHITE)

LNT85-SPX39-BK
39" PROFILE (BLACK)



BEND RADIUS
Ø 300MM (11.8") MIN.
(HORIZONTAL AND VERTICAL BEND)

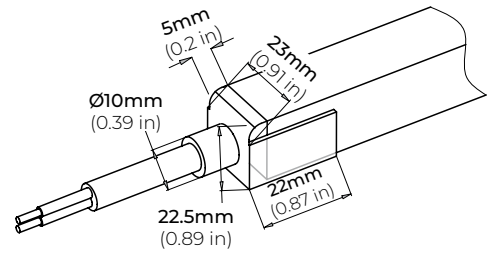


LNT-85

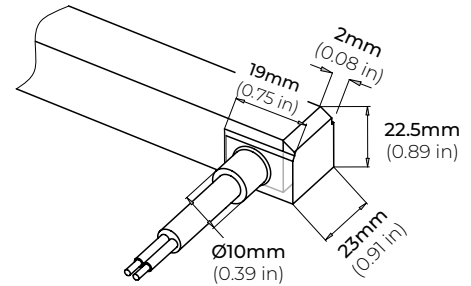
IP68 FLEXIBLE LED NEON SERIES

IP68 POWER FEED

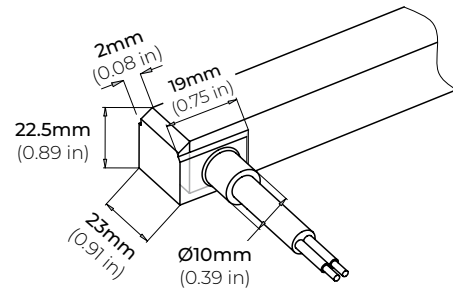
EF
END FEED



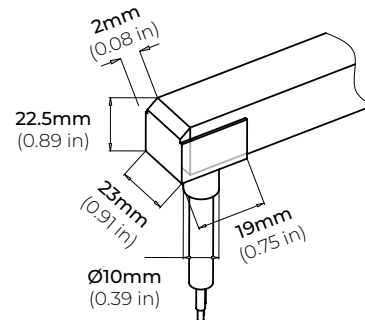
SFL
SIDE FEED LEFT



SFR
SIDE FEED RIGHT



BF
BOTTOM FEED



LNT-85

IP68 FLEXIBLE LED NEON SERIES

CUTTING LENGTH CODES

LNT-85 Series is cuttable every **2.19" (5.56CM)**. Please refer to the chart below to determine actual lengths once LED is cut versus actual lengths required or specified.

Total Length Calculation = Order Code Length + End Feed option Length
Example: 33.45" Total Length = Order Code 15 (32.85") + (0.60") End Feed

POWER FEED OPTION	LENGTH
END FEED	0.60"
SIDE FEED	0.20"
BOTTOM FEED	0.20"

CUTTING LENGTH INCREMENT TABLE

CODE	LENGTH (CM)	LENGTH (IN)
1	5.56	2.19
2	11.12	4.38
3	16.68	6.57
4	22.24	8.76
5	27.8	10.95
6	33.36	13.14
7	38.92	15.33
8	44.48	17.52
9	50.04	19.71
10	55.6	21.9
11	61.16	24.09
12	66.72	26.28
13	72.28	28.47
14	77.84	30.66
15	83.4	32.85
16	88.96	35.04
17	94.52	37.23
18	100.08	39.42
19	105.64	41.61
20	111.2	43.8
21	116.76	45.99
22	122.32	48.18
23	127.88	50.37
24	133.44	52.56
25	139	54.75
26	144.56	56.94
27	150.12	59.13
28	155.68	61.32
29	161.24	63.51
30	166.8	65.7
31	172.36	67.89
32	177.92	70.08
33	183.48	72.27
34	189.04	74.46
35	194.6	76.65
36	200.16	78.84
37	205.72	81.03
38	211.28	83.22
39	216.84	85.41
40	222.4	87.6
41	227.96	89.79
42	233.52	91.98

CODE	LENGTH (CM)	LENGTH (IN)
43	239.08	94.17
44	244.64	96.36
45	250.2	98.55
46	255.76	100.74
47	261.32	102.93
48	266.88	105.12
49	272.44	107.31
50	278	109.5
51	283.56	111.69
52	289.12	113.88
53	294.68	116.07
54	300.24	118.26
55	305.8	120.45
56	311.36	122.64
57	316.92	124.83
58	322.48	127.02
59	328.04	129.21
60	333.6	131.4
61	339.16	133.59
62	344.72	135.78
63	350.28	137.97
64	355.84	140.16
65	361.4	142.35
66	366.96	144.54
67	372.52	146.73
68	378.08	148.92
69	383.64	151.11
70	389.2	153.3
71	394.76	155.49
72	400.32	157.68
73	405.88	159.87
74	411.44	162.06
75	417	164.25
76	422.56	166.44
77	428.12	168.63
78	433.68	170.82
79	439.24	173.01
80	444.8	175.2
81	450.36	177.39
82	455.92	179.58
83	461.48	181.77
84	467.04	183.96

CODE	LENGTH (CM)	LENGTH (IN)
85	472.6	186.15
86	478.16	188.34
87	483.72	190.53
88	489.28	192.72
89	494.84	194.91
90	500.4	197.1
91	505.96	199.29
92	511.52	201.48
93	517.08	203.67
94	522.64	205.86
95	528.2	208.05
96	533.76	210.24
97	539.32	212.43
98	544.88	214.62
99	550.44	216.81
100	556	219
101	561.56	221.19
102	567.12	223.38
103	572.68	225.57
104	578.24	227.76
105	583.8	229.95
106	589.36	232.14
107	594.92	234.33
108	600.48	236.52
109	606.04	238.71

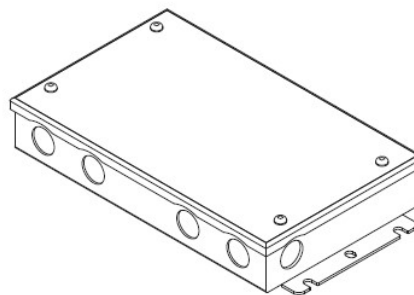
LNT-85

IP68 FLEXIBLE LED NEON SERIES

COMPATIBLE TRANSFORMERS

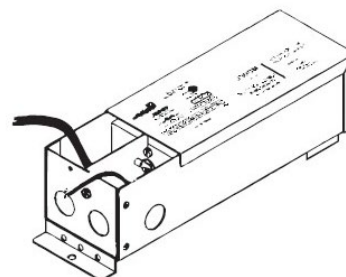
PSDL SERIES TRIAC DIMMABLE

PSDL-30W-24V	CLASS 2	6.5" X 3.63" X 1.58"
PSDL-60W-24V	CLASS 2	7.4" X 3.63" X 1.58"
PSDL-96W-24V	CLASS 2	8.67" X 3.67 X 1.62"
PSDL-150W-24V		10.25" X 4.06" X 1.82"
PSDL-192W-24V	CLASS 2	11" X 4" X 1.82"
PSDL-200W-24V		10.25" X 4.06" X 1.82"
PSDL-288W-24V	CLASS 2	11.85" X 4.25" X 1.82"
PSDL-300W-24V		10.25" X 4.06" X 1.82"



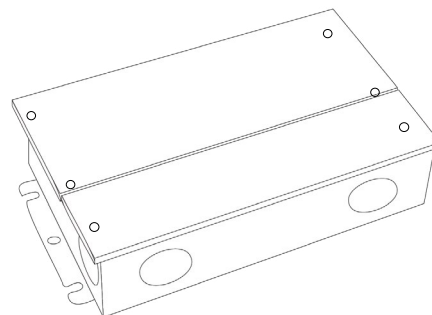
PSDH SERIES HIGH PERFORMANCE MAGNETIC LOW VOLTAGE (MLV)

PSDH-48W-24V	CLASS 2	11.25" X 3.38" X 3.38"
PSDH-96W-24V	CLASS 2	11.25" X 3.38" X 3.37"



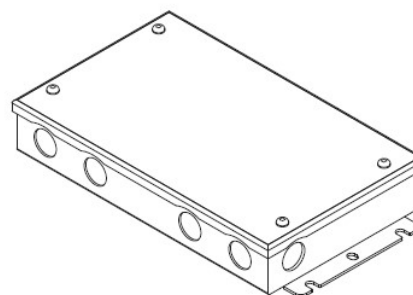
PSRX SERIES 4-IN-1 DIMMING DRIVER

PSRX-30W-24V	CLASS 2	6.5" X 3.72" X 1.57"
PSRX-60W-24V	CLASS 2	7.4" X 3.72" X 1.57"
PSRX-96W-24V	CLASS 2	8.66" X 3.72" X 1.57"
PSRX-150W-24V		10.24" X 4.13" X 1.77"
PSRX-192W-24V	CLASS 2	11" X 4" X 1.82"
PSRX-200W-24V		10.24" X 4.13" X 1.77"
PSRX-288W-24V	CLASS 2	11.85" X 4.25" X 1.82"
PSRX-300W-24V		10.94" X 4.33" X 1.77"



PSVT SERIES 0-10V DIMMING WITH JUNCTION BOX

PSVT-60W-24V-UNV-010	CLASS 2	7.4" X 3.72" X 1.57"
PSVT-96W-24V-UNV-010	CLASS 2	8.66" X 3.72" X 1.57"
PSVT-200W-24V-UNV-010		10.24" X 4.13" X 1.77"
PSVT-288W-24V-UNV-010	CLASS 2	11.85" X 4.25" X 1.81"
PSVT-300W-24V-UNV-010		10.94" X 4.33" X 1.77"



LNT-85

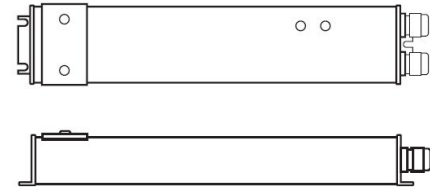
IP68 FLEXIBLE LED NEON SERIES

COMPATIBLE TRANSFORMERS

PSDE SERIES

0-10V DIMMING W/ JUNCTION BOX

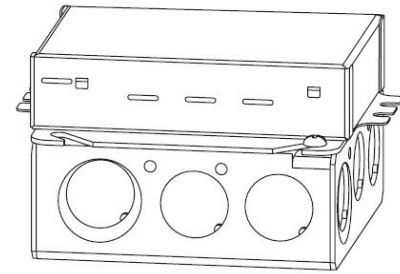
PSDE-60W-24V-010-JB	CLASS 2	12.1" X 2.36" X 1.4"
PSDE-96W-24V-010-JB	CLASS 2	12.1" X 2.36" X 1.4"



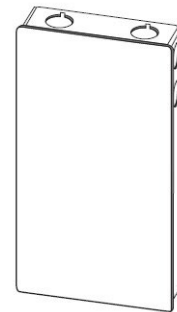
LUTRON 1%

3-WIRE DIMMING

L3DA4U1UKL-CV240	CLASS 2	4.89" X 4" X 2.62"
------------------	---------	--------------------



PSDE-96W-24V-ECO	CLASS 2	10.5" X 3.0" X 2.0"
------------------	---------	---------------------



NON-DIMMING DRIVERS (COMPATABLE WITH ALL SYSTEMS)

PSHK SERIES

NON-DIMMING CONSTANT VOLTAGE WITH JUNCTION BOX

PSHK-30W-24V	CLASS 2	6.5" X 3.6" X 1.02"
PSHK-60W-24V	CLASS 2	7.4" X 3.62" X 1.02"
PSHK-96W-24V	CLASS 2	8.66" X 3.66" X 1.61"
PSHK-150W-24V		10.24" X 4.06" X 1.81"
PSHK-200W-24V		10.24" X 4.06" X 1.81"
PSHK-288W-24V	CLASS 2	11.85" X 4.25" X 1.82"
PSHK-300W-24V		10.24" X 4.25" X 1.81"

