LNT-65 SPA RGBW

2W SAUNA/ STEAM RATED FLEXIBLE LED NEON SERIES

Project _____
Location _____
Quote/ Ref # _____

The **LNT-65 SPA RGBW** is a high performance flexible LED fixture designed for use in a sauna/steam environment. Designed to resist high temperatures with its adaptive constant current control built-in feature. 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	2W per Ft.
LUMEN OUTPUT	242 Lm/ Ft. *(147 Lm/Ft.— RGB)	95 Lm/Ft.— White)*
CRI	88+
COLOR TEMPERATURE	RGBW27K/ RGBW30K/ RGBW40K
DIMMING/ CONTROL	DMX
MAXIMUM RUN LENGTH	32 Ft.
CUTTING POINT	Every 83.31mm (3.28 in)
STORAGE TEMPERATURE	-40°F (-40°C) to 176°F (80°C)
OPERATING TEMPERATURE	-4°F (-20°C) to 194°F (90°C)
BEAM ANGLE	160°
LED CHIP	NICHIA
HUMIDITY	0-95% Non Condensing
IP RATING	IP67
CERTIFICATIONS	UL Listed
LUMEN MAINTENANCE	50,000 Hrs.

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

FEATURES

- Sauna/ Steam rated for use in higher temperatures
- High color consistency and smooth illumination
- Multiple CCT options available
- Continuous run length up to 32 Ft.
- Bottom, Side and End Feed options
- UL Listed (US and Canada)

INDOOR OUTDOOR 88+ CRI RGBW DIMMABLE IP67 50,000 HRS cULus LISTED 5 YEAR WARRANTY

MODEL	SURFACE	COLOR TEMP	VOLT	LENGTH (PF)	POWER FEED	FEED LENGTH
LNT-65SPA	**HB** Horizontal Bend	**RGBW27K** RGB+2700K	**24** 24V DC	Please refer to page 5-6 for exact lengths with corresponding ordering codes.	**BF** Bottom Feed	**HW3** 3 Ft. Power Feed
	VB Vertical Bend	**RGBW30K** RGB+2700K			**SFL** Side Feed Left	**HW10** 10 Ft. Power Feed
		RGBW40K RGB+4000K			**SFR** Side Feed Right	**HW15** 15 Ft. Power Feed
					EF End Feed	**HW30** 30 Ft. Power Feed
						HW50 50 Ft. Power Feed

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DIMENSIONS

LNT65-HB (HORIZONTAL BEND)

16mm (0.63 in)

17mm (0.67 in)

LIGHT SOURCE

LIGHT SOURCE

Ø 100mm (3.94 in)

LNT65-VB (VERTICAL BEND)

16mm (0.63 in)

17mm (0.67 in)

LIGHT SOURCE

Ø 100mm (3.94 in)

LIGHT SOURCE

30.5mm (1.2 in)

11.9mm (0.47 in)

~ 127mm (5 in)

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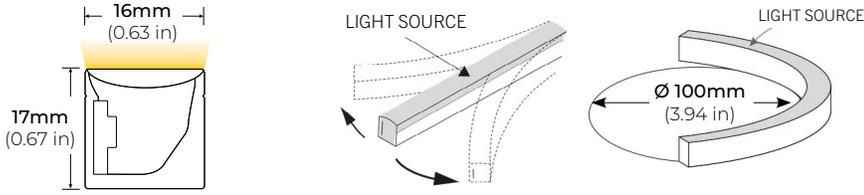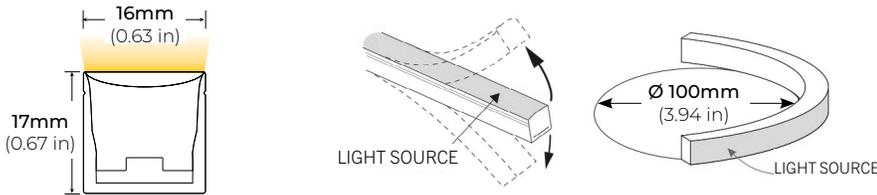
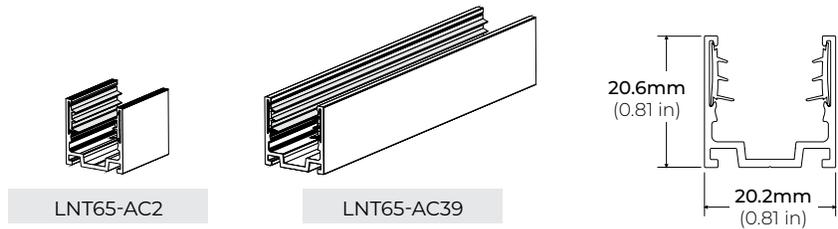*All CORE Lighting IP67/IP68 Neons include a choker that sits roughly 5" from the end of the Neon.*

*Warranty is void if removed.

COMPATIBLE ACCESSORIES
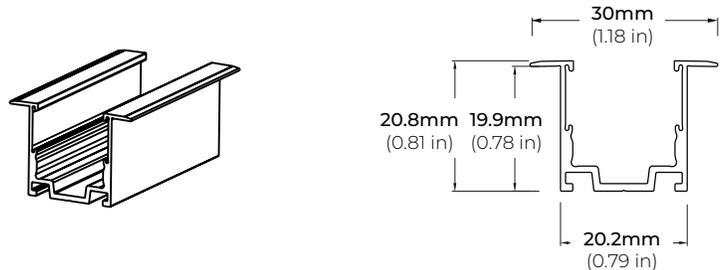
SELF LOCKING ALUMINUM PROFILE
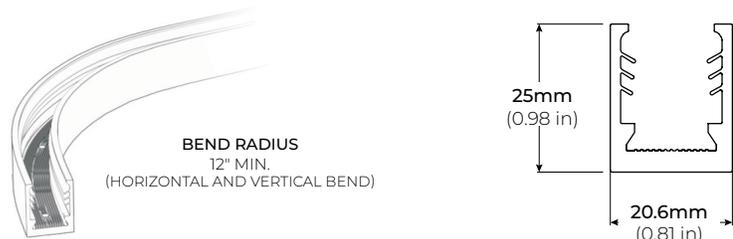
LNT65-AC2
0.78" PROFILE

LNT65-AC39
39" PROFILE

LNT65-AC2

LNT65-AC39

20.6mm (0.81 in)

20.2mm (0.81 in)

RECESSED PROFILE

LNT65-RS39
39" PROFILE

30mm (1.18 in)

20.8mm (0.81 in)   19.9mm (0.78 in)

20.2mm (0.79 in)

FLEXIBLE PROFILE

LNT65-SPX39-WH
39" PROFILE (WHITE)

LNT65-SPX39-BK
39" PROFILE (BLACK)

BEND RADIUS
12" MIN.
(HORIZONTAL AND VERTICAL BEND)

25mm (0.98 in)

20.6mm (0.81 in)

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COMPATIBLE ACCESSORIES

RACEWAY PROFILE

LNT65-ARC39-SI
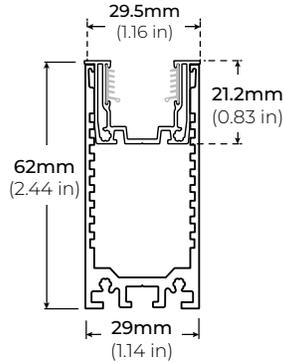39" PROFILE (SILVER)

LNT65-ARC39-WH
39" PROFILE (WHITE)
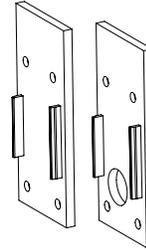
LNT65-ARC39-BK
39" PROFILE (BLACK)

LNT65-ARC-EC
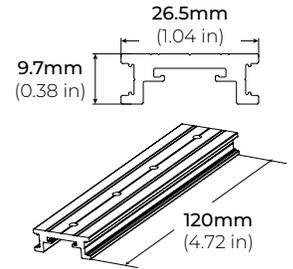END CAPS

* Set of 2 (1 with Hole and 1 without Hole)

* Sold Separately

LNT65-ARC-JB
JOINER BRACKET

* Sold Separately

29.5mm (1.16 in)

21.2mm (0.83 in)

62mm (2.44 in)

29mm (1.14 in)

26.5mm (1.04 in)

9.7mm (0.38 in)

120mm (4.72 in)

| LNT65-ARC39 | LNT65-ARC-EC | LNT65-ARC-JB |

LNT65-BKT-ADJ
ADJUSTABLE BRACKET

* Only compatible with LNT65-AC2 and LNT65-AC39

25.9mm (1.02 in)

9.9mm (0.39 in)

15mm (0.59 in)

21.1mm (0.83 in)

23.1mm (0.91 in)
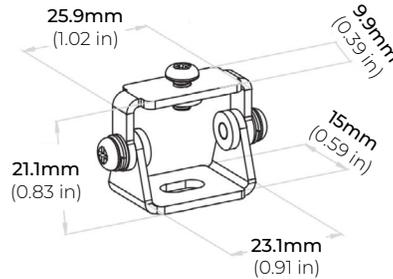
LNT-65 SPA RGBW

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POWER FEED

BF
BOTTOM FEED
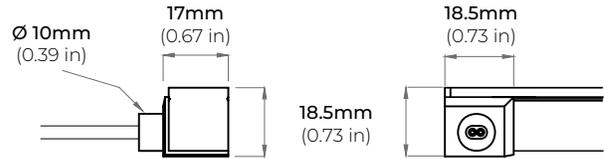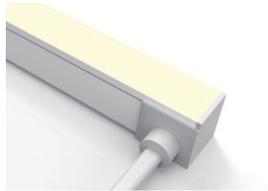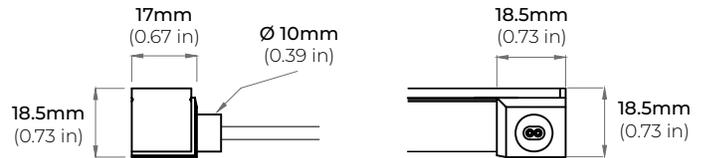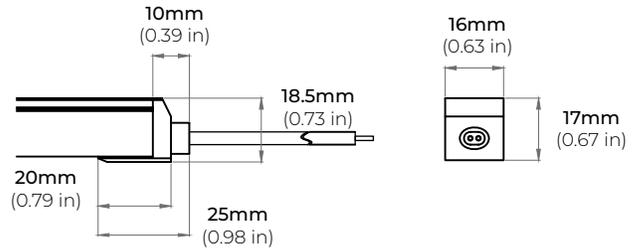
23.6mm (0.93 in)
1.5mm (0.05 in)
17mm (0.67 in)
5mm (0.19 in)
18mm (0.7 in)
16mm (0.63 in)
18.5mm (0.73 in)

SFL
SIDE FEED LEFT

Ø 10mm (0.39 in)
17mm (0.67 in)
18.5mm (0.73 in)
18.5mm (0.73 in)

SFR
SIDE FEED RIGHT

17mm (0.67 in)
Ø 10mm (0.39 in)
18.5mm (0.73 in)
18.5mm (0.73 in)
18.5mm (0.73 in)

EF
END FEED

10mm (0.39 in)
18.5mm (0.73 in)
20mm (0.79 in)
25mm (0.98 in)
16mm (0.63 in)
17mm (0.67 in)

LNT65-EC
END CAP

1.5mm (0.05 in)
16mm (0.63 in)
17mm (0.67 in)

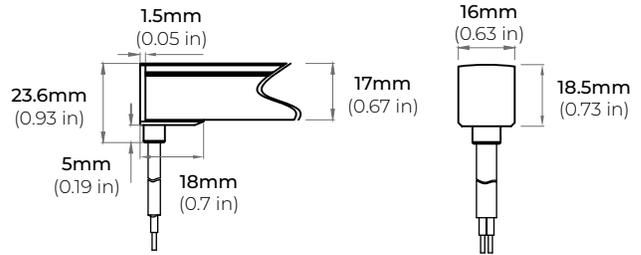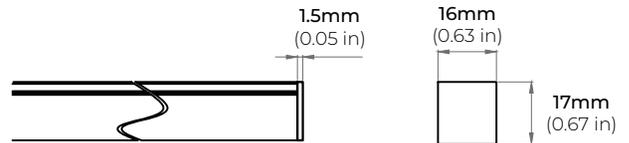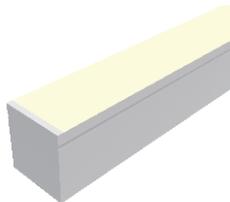# LNT-65 SPA RGBW

2W SAUNA/ STEAM RATED FLEXIBLE LED NEON SERIES

CUTTING LENGTH CODES

LNT-65 Spa RGBW is cuttable every **3.28" (8.33CM)**. 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
98.6" Total Length = Order Code 30 (98.4") + (0.20") Side Feed

*Optional lead wire lengths available: **3Ft., 10Ft., 16Ft., 32Ft., 50Ft.***

POWER FEED OPTION	
END FEED	1.1"
BOTTOM FEED	0.20"
SIDE FEED	0.20"

CUTTING LENGTH INCREMENT TABLE

CODE	LENGTH (CM)	LENGTH (IN)	CODE	LENGTH (CM)	LENGTH (IN)	CODE	LENGTH (CM)	LENGTH (IN)
3	24.99	9.84	43	358.19	141.04	83	691.39	272.24
4	33.32	13.12	44	366.52	144.32	84	699.72	275.52
5	41.65	16.4	45	374.85	147.6	85	708.05	278.8
6	49.98	19.68	46	383.18	150.88	86	716.38	282.08
7	58.31	22.96	47	391.51	154.16	87	724.71	285.36
8	66.64	26.24	48	399.84	157.44	88	733.04	288.64
9	74.97	29.52	49	408.17	160.72	89	741.37	291.92
10	83.3	32.8	50	416.5	164	90	749.7	295.2
11	91.63	36.08	51	424.83	167.28	91	758.03	298.48
12	99.96	39.36	52	433.16	170.56	92	766.36	301.76
13	108.29	42.64	53	441.49	173.84	93	774.69	305.04
14	116.62	45.92	54	449.82	177.12	94	783.02	308.32
15	124.95	49.2	55	458.15	180.4	95	791.35	311.6
16	133.28	52.48	56	466.48	183.68	96	799.68	314.88
17	141.61	55.76	57	474.81	186.96	97	808.01	318.16
18	149.94	59.04	58	483.14	190.24	98	816.34	321.44
19	158.27	62.32	59	491.47	193.52	99	824.67	324.72
20	166.6	65.6	60	499.8	196.8	100	833	328
21	174.93	68.88	61	508.13	200.08	101	841.33	331.28
22	183.26	72.16	62	516.46	203.36	102	849.66	334.56
23	191.59	75.44	63	524.79	206.64	103	857.99	337.84
24	199.92	78.72	64	533.12	209.92	104	866.32	341.12
25	208.25	82	65	541.45	213.2	105	874.65	344.4
26	216.58	85.28	66	549.78	216.48	106	882.98	347.68
27	224.91	88.56	67	558.11	219.76	107	891.31	350.96
28	233.24	91.84	68	566.44	223.04	108	899.64	354.24
29	241.57	95.12	69	574.77	226.32	109	907.97	357.52
30	249.9	98.4	70	583.1	229.6	110	916.3	360.8
31	258.23	101.68	71	591.43	232.88	111	924.63	364.08
32	266.56	104.96	72	599.76	236.16	112	932.96	367.36
33	274.89	108.24	73	608.09	239.44	113	941.29	370.64
34	283.22	111.52	74	616.42	242.72	114	949.62	373.92
35	291.55	114.8	75	624.75	246	115	957.95	377.2
36	299.88	118.08	76	633.08	249.28	116	966.28	380.48
37	308.21	121.36	77	641.41	252.56	117	974.61	383.76
38	316.54	124.64	78	649.74	255.84	118	982.94	387.04
39	324.87	127.92	79	658.07	259.12	119	991.27	390.32
40	333.2	131.2	80	666.4	262.4	120	999.6	393.6
41	341.53	134.48	81	674.73	265.68	121	1007.93	396.88
42	349.86	137.76	82	683.06	268.96	122	1016.26	400.16

LNT-65 SPA RGBW

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CUTTING LENGTH CODES (CONT.)

*LNT-65 Spa RGBW is cuttable every **3.28" (8.33CM)**. 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
98.6" Total Length = Order Code 30 (98.4") + (0.20") Side Feed

** Optional lead wire lengths available: **3Ft., 10Ft., 16Ft., 32Ft., 50Ft.***

POWER FEED OPTION	
END FEED	1.1"
BOTTOM FEED	0.20"
SIDE FEED	0.20"

CUTTING LENGTH INCREMENT TABLE

CODE	LENGTH (CM)	LENGTH (IN)		CODE	LENGTH (CM)	LENGTH (IN)
123	1024.59	403.44		163	1357.79	534.64
124	1032.92	406.72		164	1366.12	537.92
125	1041.25	410		165	1374.45	541.2
126	1049.58	413.28		166	1382.78	544.48
127	1057.91	416.56		167	1391.11	547.76
128	1066.24	419.84		168	1399.44	551.04
129	1074.57	423.12		169	1407.77	554.32
130	1082.9	426.4		170	1416.1	557.6
131	1091.23	429.68		171	1424.43	560.88
132	1099.56	432.96		172	1432.76	564.16
133	1107.89	436.24		173	1441.09	567.44
134	1116.22	439.52		174	1449.42	570.72
135	1124.55	442.8		175	1457.75	574
136	1132.88	446.08		176	1466.08	577.28
137	1141.21	449.36		177	1474.41	580.56
138	1149.54	452.64		178	1482.74	583.84
139	1157.87	455.92		179	1491.07	587.12
140	1166.2	459.2		180	1499.4	590.4
141	1174.53	462.48				
142	1182.86	465.76				
143	1191.19	469.04				
144	1199.52	472.32				
145	1207.85	475.6				
146	1216.18	478.88				
147	1224.51	482.16				
148	1232.84	485.44				
149	1241.17	488.72				
150	1249.5	492				
151	1257.83	495.28				
152	1266.16	498.56				
153	1274.49	501.84				
154	1282.82	505.12				
155	1291.15	508.4				
156	1299.48	511.68				
157	1307.81	514.96				
158	1316.14	518.24				
159	1324.47	521.52				
160	1332.8	524.8				
161	1341.13	528.08				
162	1349.46	531.36				

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CORE
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LIGHTING

UPDATED: 02.16.26

DMX CONTROLLERS

All DMX Controllers require a DMX Decoder and Non-Dimming Driver.
*Please refer for page 8 and 9 for compatible options.*

RGB CT600
MULTI-FUNCTION RGBW WALL CONTROLLER

INPUT VOLTAGE	5V DC, 1A
OUTPUT SIGNAL	RF 2.4GHZ + DMX512
CONTROL	4 ZONES
COLOR OPTIONS	Black/ White
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.19"x7.08"x1.38")
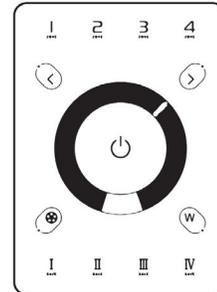
RGB-SCW4
WiFi DMX WALL CONTROLLER

INPUT VOLTAGE	5 - 10V DC, 06A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ 8dry contact ports/ Open drain output (for relay)
MEMORY	Built-In Flash
WORKING TEMP	-10°C ~ 45°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")
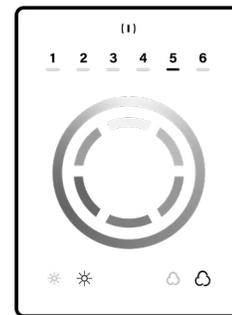
RGB-SDE3
WiFi DMX WALL CONTROLLER

|	
INPUT VOLTAGE	6V DC, 0.6A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC/ Tablet/ Smartphone
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ Ethernet/ RS232/ CLock/ 8dry contact ports/ 5V output relay
MEMORY	MicroSD Card
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")
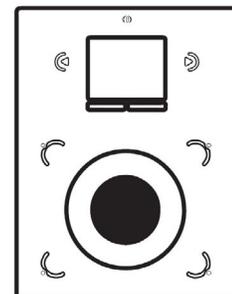
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2W SAUNA/ STEAM RATED FLEXIBLE LED NEON SERIES

DMX DECODERS

All DMX Decoders require a DMX Controller and Non-Dimming Driver.
*Please refer for page 7 and 9 for compatible options.*

RGB-DMX-4C-RJ45
4-CHANNEL DMX DECODER

INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	8A X 4CH
OUTPUT WATTAGE	4 x (96W ~ 288W)
OUTPUT CHANNELS	4
DIMENSIONS	LxWxH (6.5"x2.38"x1.27")
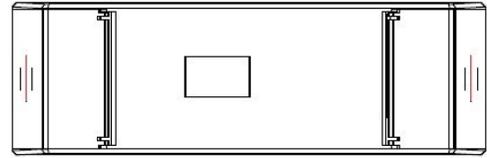
RGB-DMX-5C-XLR
5-CHANNEL DMX DECODER

INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	8A X 5CH
OUTPUT WATTAGE	5 x (96W ~ 192W)
OUTPUT CHANNELS	5
DIMENSIONS	LxWxH (6.45"x2.87"x1.5")
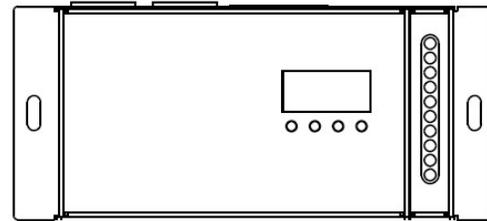
LNT-65 SPA RGBW

2W SAUNA/ STEAM RATED FLEXIBLE LED NEON SERIES

NON-DIMMING DRIVERS (COMPATIBLE 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"