

# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

Project \_\_\_\_\_  
Location \_\_\_\_\_  
Quote/ Ref # \_\_\_\_\_

**LNT-45 RGB** is a high-performance, color-changing, flexible LED fixture designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT45RGB easily bends around contours and tight curves without being damaged. It allows for easy installation with its factory sealed terminators and custom accessories.



### SPECIFICATIONS

INPUT VOLTAGE	24V DC Constant Voltage
POWER CONSUMPTION	4.4W per Ft.
LUMEN OUTPUT	140 Lm/ Ft. (Flat)   105 Lm/ Ft. (Dome)
CRI	88+
COLOR TEMPERATURE	RGB
DIMMING/ CONTROL	Through RGB Controller
MAXIMUM RUN LENGTH	32 Ft.
CUT POINT	Every 83.3mm (3.28 in)
POWER FACTOR	≤ 1
STORAGE TEMPERATURE	-40°F (-40°C) to 140°F (60°C)
OPERATING TEMPERATURE	-40°F (-40°C) to 131°F (55°C)
BEAM ANGLE	160° (Flat)   270° (Dome)
HUMIDITY	0-95% Non Condensing
IP RATING	IP67/ IP68
CERTIFICATIONS	UL Listed
LUMEN MAINTENANCE	50,000 Hrs.

### FEATURES

- High color consistency
- Smooth illumination
- Ideal for Indoor and Outdoor use
- Waterproof, Submersible under water
- Bottom, Side and End Feed options
- Continuous run length up to 32 Ft.
- UL Listed (US and Canada)

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

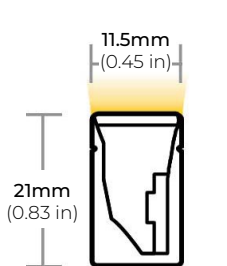
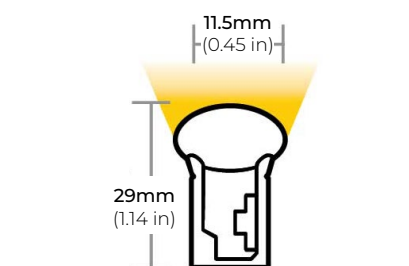
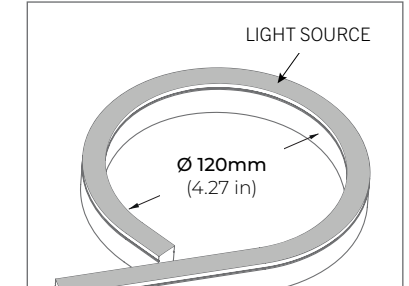
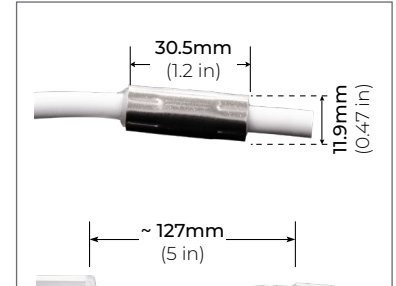
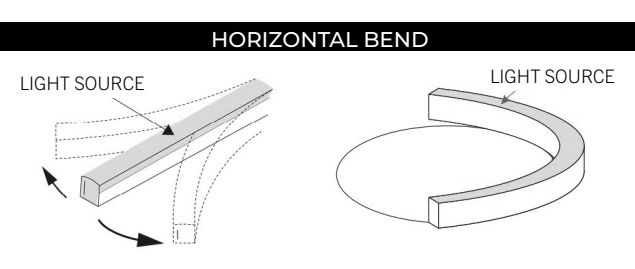


MODEL	LENS	COLOR TEMP	LENGTH (PF)	VOLT	POWER FEED	FEED LENGTH
LNT45	F Flat	RGB RGB Color Changing	Please refer to page 5 for exact lengths with corresponding ordering codes.	24 24V DC	BF Bottom Feed	HW3 3 Ft. power feed
	D Dome				EF End Feed	HW10 10 Ft. power feed
	SFL Side Feed Left				HW16 16 Ft. power feed	
	SFR Side Feed Right				HW32 32 Ft. power feed	
					HW50 50 Ft. power feed	

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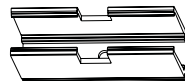
### DIMENSIONS

 <p><b>FLAT LENS</b></p>	 <p><b>DOME LENS</b></p>	 <p><b>BEND DIAMETER</b></p> <p>LED strip only bends along horizontal axis. Bending the LED strip vertically (perpendicular) to the light surface risks damage to the LED strip. Do <b>NOT</b> bend more than the indicated bend radius (shown above). Doing so will damage the LED strip.</p>	 <p><b>POWER FEED CHOKER</b></p> <p>All CORE Lighting IP67/IP68 Neons include a choker that sits roughly 5" from the end of the Neon.</p> <p><i>*Warranty is void if removed.</i></p>
<p><b>HORIZONTAL BEND</b></p> 			

### COMPATIBLE ACCESSORIES

#### SELF LOCKING ALUMINUM PROFILE

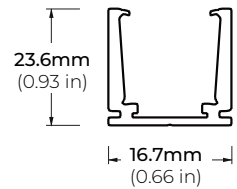
LNT45-AC2  
1.38" PROFILE



LNT45-AC2



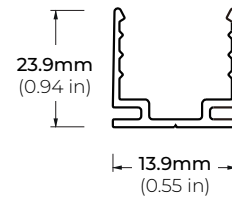
LNT45-AC39



LNT45-AC39  
39" PROFILE

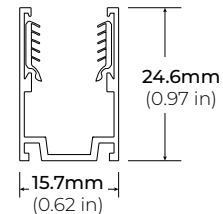
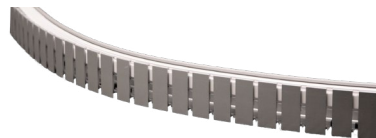
#### PLASTIC PROFILE

LNT45-PC39  
39" PROFILE



#### FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX  
39" CHANNEL

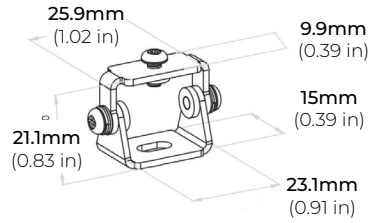


# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

### COMPATIBLE ACCESSORIES

LNT45-BKT-ADJ  
ADJUSTABLE BRACKET



### RACEWAY PROFILE

LNT45-SMR-AC39-SI  
39" PROFILE (SILVER)

LNT45-SMR-AC39-WH  
39" PROFILE (WHITE)

\*Made to Order.

LNT45-SMR-AC39-BK  
39" PROFILE (BLACK)

\*Made to Order.

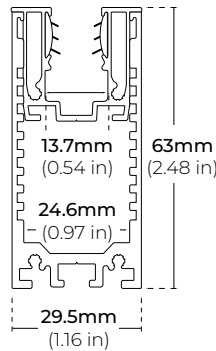
LNT45-SMR-EC  
END CAPS

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

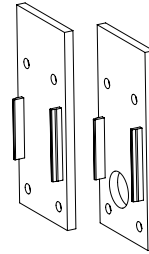
\* Sold Separately

LNT45-SMR-SC  
JOINER BRACKET

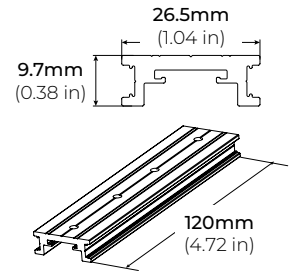
\* Sold Separately



LNT45-SMR-AC39



LNT45-SMR-EC



LNT45-SMR-JB

# LNT-45 RGB

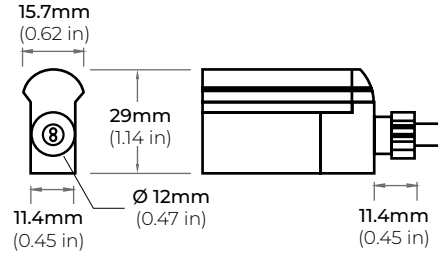
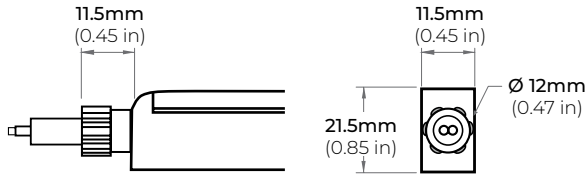
## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

### IP67/68 POWER FEED

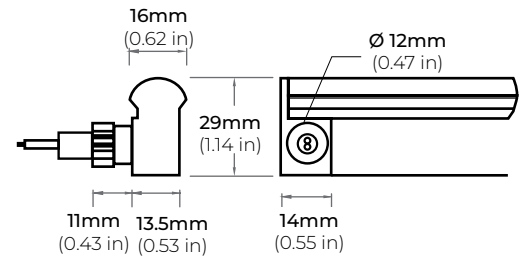
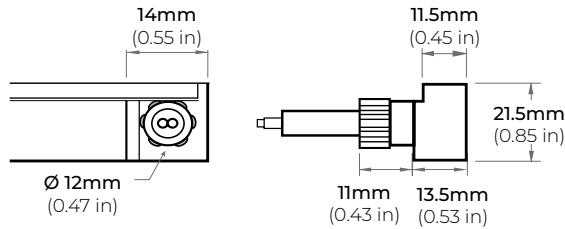
#### FLAT

#### DOME

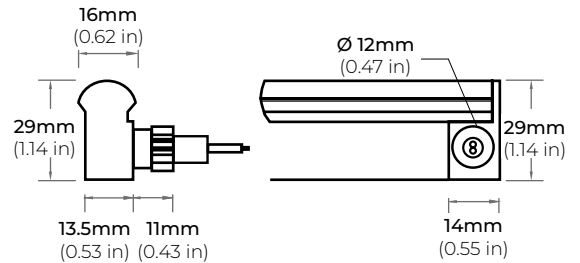
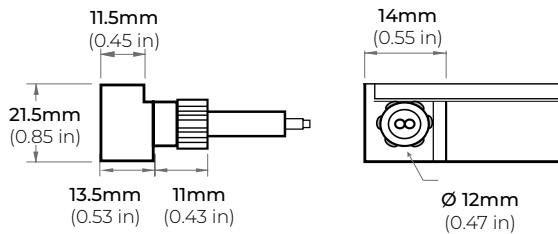
EF  
END FEED



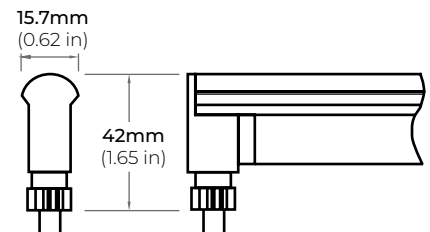
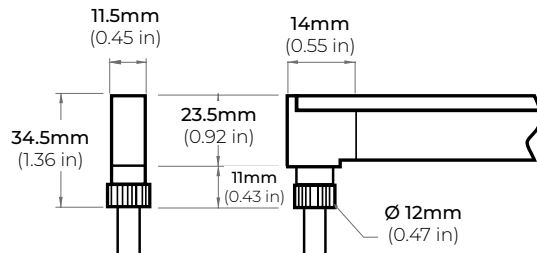
SFL  
SIDE FEED LEFT



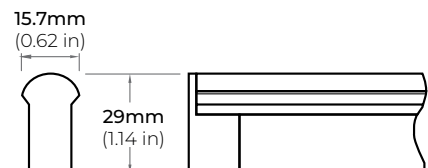
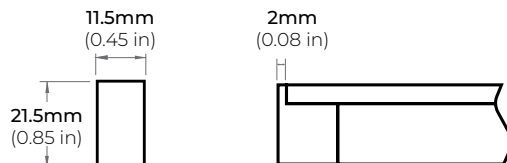
SFR  
SIDE FEED RIGHT



BF  
BOTTOM FEED



EC  
END CAP



# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

### CUTTING LENGTH CODES

LNT-45 RGB Series 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

**Example: 50.3" Total Length = Order Code 15 (49.2") + (1.1") End Feed**

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

### CUTTING LENGTH INCREMENT TABLE

CODE	LENGTH (CM)	LENGTH (IN)
1	8.33	3.28
2	16.66	6.56
3	24.99	9.84
4	33.32	13.12
5	41.65	16.4
6	49.98	19.68
7	58.31	22.96
8	66.64	26.24
9	74.97	29.52
10	83.3	32.8
11	91.63	36.08
12	99.96	39.36
13	108.29	42.64
14	116.62	45.92
15	124.95	49.2
16	133.28	52.48
17	141.61	55.76
18	149.94	59.04
19	158.27	62.32
20	166.6	65.6
21	174.93	68.88
22	183.26	72.16
23	191.59	75.44
24	199.92	78.72
25	208.25	82
26	216.58	85.28
27	224.91	88.56
28	233.24	91.84
29	241.57	95.12
30	249.9	98.4
31	258.23	101.68
32	266.56	104.96
33	274.89	108.24
34	283.22	111.52
35	291.55	114.8
36	299.88	118.08
37	308.21	121.36
38	316.54	124.64
39	324.87	127.92
40	333.2	131.2

CODE	LENGTH (CM)	LENGTH (IN)
41	341.53	134.48
42	349.86	137.76
43	358.19	141.04
44	366.52	144.32
45	374.85	147.6
46	383.18	150.88
47	391.51	154.16
48	399.84	157.44
49	408.17	160.72
50	416.5	164
51	424.83	167.28
52	433.16	170.56
53	441.49	173.84
54	449.82	177.12
55	458.15	180.4
56	466.48	183.68
57	474.81	186.96
58	483.14	190.24
59	491.47	193.52
60	499.8	196.8
61	508.13	200.08
62	516.46	203.36
63	524.79	206.64
64	533.12	209.92
65	541.45	213.2
66	549.78	216.48
67	558.11	219.76
68	566.44	223.04
69	574.77	226.32
70	583.1	229.6
71	591.43	232.88
72	599.76	236.16
73	608.09	239.44
74	616.42	242.72
75	624.75	246
76	633.08	249.28
77	641.41	252.56
78	649.74	255.84
79	658.07	259.12
80	666.4	262.4

CODE	LENGTH (CM)	LENGTH (IN)
81	674.73	265.68
82	683.06	268.96
83	691.39	272.24
84	699.72	275.52
85	708.05	278.8
86	716.38	282.08
87	724.71	285.36
88	733.04	288.64
89	741.37	291.92
90	749.7	295.2
91	758.03	298.48
92	766.36	301.76
93	774.69	305.04
94	783.02	308.32
95	791.35	311.6
96	799.68	314.88
97	808.01	318.16
98	816.34	321.44
99	824.67	324.72
100	833	328
101	841.33	331.28
102	849.66	334.56
103	857.99	337.84
104	866.32	341.12
105	874.65	344.4
106	882.98	347.68
107	891.31	350.96
108	899.64	354.24
109	907.97	357.52
110	916.3	360.8
111	924.63	364.08
112	932.96	367.36
113	941.29	370.64
114	949.62	373.92
115	957.95	377.2
116	966.28	380.48
117	974.61	383.76

# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

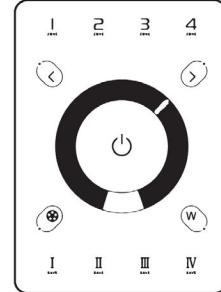
### DMX CONTROLLERS

All DMX Controllers require a DMX Decoder and Non-Dimming Driver.  
Please refer for page 7 and 10 for compatible options.

#### RGB CT600

MULTI-FUNCTION RGBW WALL CONTROLLER

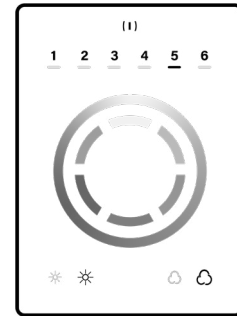
INPUT VOLTAGE	5V DC, 1A
OUTPUT SIGNAL	RF 2.4GHZ + DMX512
CONTROL	4 ZONES
COLOR OPTIONS	Black/ White
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.19"x7.08"x1.38")



#### RGB-SCW4

WiFi DMX WALL CONTROLLER

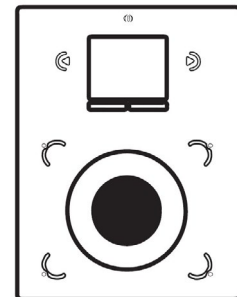
INPUT VOLTAGE	5 - 10V DC, 06A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ 8dry contact ports/ Open drain output (for relay)
MEMORY	Built-In Flash
WORKING TEMP	-10°C ~ 45°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")



#### 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")



# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

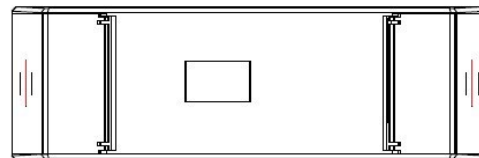
### DMX DECODERS

All DMX Decoders require a DMX Controller and Non-Dimming Driver.  
Please refer for page 6 and 10 for compatible options.

#### RGB-DMX-4C-RJ45

4-CHANNEL DMX DECODER

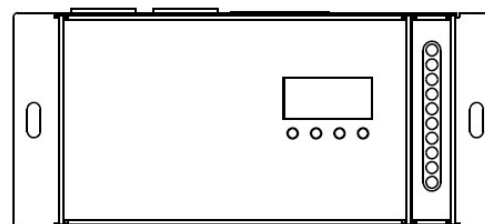
INPUT VOLTAGE 12V-24V DC  
OUTPUT CURRENT 8A X 4CH  
OUTPUT WATTAGE 4 x (96W ~ 288W)  
OUTPUT CHANNELS 4  
DIMENSIONS LxWxH (6.5"x2.38"x1.27")



#### 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-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

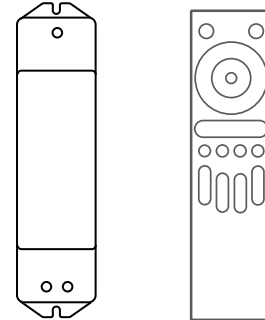
### NON-DMX CONTROLLERS

#### RGB-CT550

RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM

INPUT VOLTAGE	DC5V ~ DC24V
POWER CAPACITY	100W (5V)   240W (12V)   480W (24V)
OUTPUT CURRENT	5A per Channel (20A Total)
WORKING TEMP	-30°C~55°C (-22°F~131°F)
DIMENSIONS	LxWxH (6.89"x1.73"x1.18")

\* Paired with RGB-CT550-RX (Sold Separately)



\* RGB-CT550-RX  
(Sold Separately)

#### RGB-CT550-RX

RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM (REMOTE)

REMOTE DISTANCE	100 Ft. (Line of Sight)
FREQUENCY	2.4 GHz
DIMENSIONS	LxWxH (6.38"x1.65"x0.59")
WEIGHT	0.44lbs.

\* Paired with RGB-CT550 (Sold Separately)

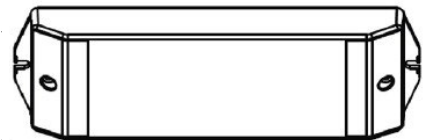
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#### RGB-CT700

MASTER RGBW WIFI CONTROLLER

INPUT VOLTAGE	12-24V DC
OUTPUT TYPE	Constant Voltage
POWER CAPACITY	288W (12V)   384W (24V)
OUTPUT CURRENT	5A per Channel (20A Total)
WORKING TEMP	-4°F (-20°C) ~ 122°F (50°C)
DIMENSIONS	LxWxH (7 x1.8 x 0.8")

\* Paired with RGB-CT705ZR (Sold Separately)



#### RGB-CT705ZR

SLAVE RGBW WIFI CONTROLLER

INPUT VOLTAGE	12-24V DC
OUTPUT TYPE	Constant Voltage
POWER CAPACITY	288W (12V)   384W (24V)
OUTPUT CURRENT	5A per Channel (20A Total)
WORKING TEMP	-4°F (-20°C) ~ 122°F (50°C)
DIMENSIONS	LxWxH (7 x0.63 x 0.71")

\* Paired with RGB-CT700 (Sold Separately)



# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

### NON-DMX CONTROLLERS (CONTINUED)

#### RGB-CT840 BLUETOOTH TOUCH PANEL WALL CONTROLLER

INPUT VOLTAGE	12-24V DC
ZONES	4
CONTROL MODE	RGB   RGBW
WIRELESS PROTOCOL	Bluetooth 5.0 SIG Mesh
WORKING TEMP	-20°C ~ 55°C
DIMENSIONS	LxWxH (4.7"x3"x1.2")

*\* Paired with RGB-CT800-RC (Sold Separately)*



#### RGB-CT800-RC BLUETOOTH CONSTANT VOLTAGE LED RECEIVER

INPUT VOLTAGE	12V   24V
OUTPUT CURRENT	4Ax5CH / 5Ax4CH (20A Max)
POWER CAPACITY	240W (12V)   480W (24V)
PROGRAMMABILITY	iOS and Android
WORKING TEMP	-20°C ~ 55°C
DIMENSIONS	LxWxH (6.9 x1.7 x 1.2")

*\* Paired with RGB-CT840 (Sold Separately)*



# LNT-45 RGB

## 4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

### 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"

