

# LNT-65 RGB

## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

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

**LNT-65 RGB** is a high performance flexible LED fixture designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT-65 RGB can bend around contours or tight radiuses without being damaged. It allows for easy installation with its factory sealed terminators and self-locking male and female barrel connectors.



### SPECIFICATIONS

INPUT VOLTAGE	24V DC Constant Voltage
POWER CONSUMPTION	3.4W per Ft.
LUMEN OUTPUT	190 Lm/ Ft.
LED CHIP	NICHIA
CRI	88+
COLOR TEMPERATURE	RGB
DIMMING	Through RGB controller
MAXIMUM RUN LENGTH	32 Ft.
CUTTING POINT	Every 55.6mm (2.19 in)
STORAGE TEMPERATURE	-40°F (-40°C) to 176°F (80°C)
OPERATING TEMPERATURE	-4°F (-20°C) to 113°F (45°C)
BEAM ANGLE	160°
HUMIDITY	0-95% Non Condensing
IP RATING	IP67/IP68   IP68CW
CERTIFICATIONS	UL Listed, UL-676 (IP68CW)
LUMEN MAINTENANCE	50,000 Hrs.

### FEATURES

- High color consistency and smooth illumination
- Multiple CCT options available
- Bottom, Side and End Feed options
- UL-676 Pool Submersible (IP68CW model)
- Waterproof/ Underwater Submersible
- UL Listed (US and Canada)

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



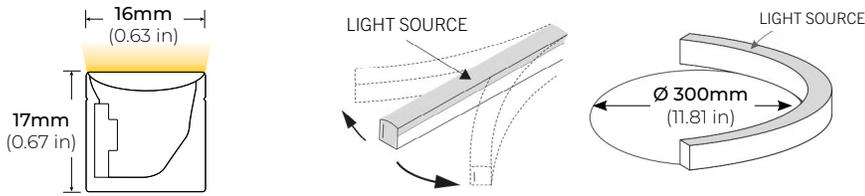
MODEL	LENS	SURFACE	COLOR TEMP	LENGTH (PF)	VOLT	RATING	POWER FEED	FEED LENGTH
LNT-65	F Flat	HB Horizontal Bend	RGB RGB Color Changing	Please refer to pages 6-7 for exact lengths with corresponding ordering codes.	24 24V DC	IP68 IP67/ 68  IP68CW Chlorine Water	BF Bottom Feed	HW3 3 Ft. Power Feed
		VB Vertical Bend					SFL Side Feed Left	HW10 10 Ft. Power Feed
		SFR Side Feed Right					HW15 15 Ft. Power Feed	
		EF End Feed					HW30 30 Ft. Power Feed	
		HW50 50 Ft. Power Feed						

# LNT-65 RGB

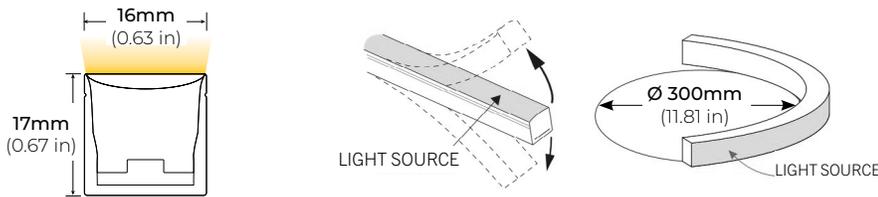
## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

### DIMENSIONS

#### LNT65-HB (HORIZONTAL BEND)



#### LNT65-VB (VERTICAL BEND)

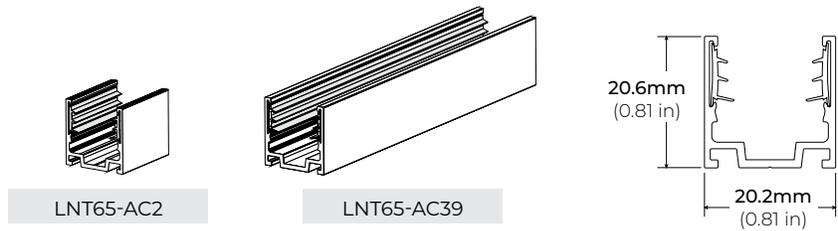


### COMPATIBLE ACCESSORIES

#### SELF LOCKING ALUMINUM PROFILE

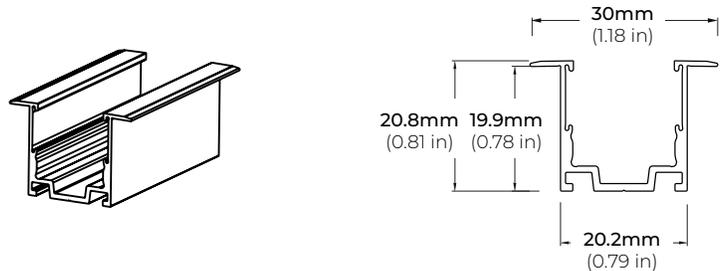
LNT65-AC2  
0.78" PROFILE

LNT65-AC39  
39" PROFILE



#### RECESSED PROFILE

LNT65-RS39  
39" PROFILE



#### FLEXIBLE PROFILE

LNT65-SPX39-WH  
39" PROFILE (WHITE)

LNT65-SPX39-BK  
39" PROFILE (BLACK)



# LNT-65 RGB

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### COMPATIBLE ACCESSORIES

#### RACEWAY PROFILE

LNT65-ARC39-SI  
39" PROFILE (SILVER)

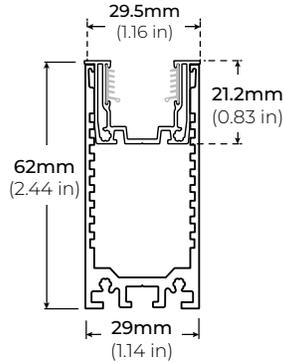
LNT65-ARC39-WH  
39" PROFILE (WHITE)

LNT65-ARC39-BK  
39" PROFILE (BLACK)

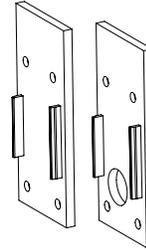
LNT65-ARC-EC  
END CAPS

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

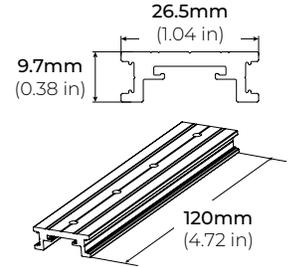
\* Sold Separately



LNT65-ARC39



LNT65-ARC-EC



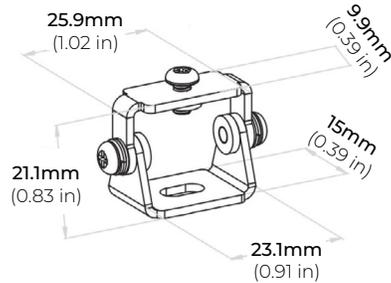
LNT65-ARC-JB

LNT65-ARC-JB  
JOINER BRACKET

\* Sold Separately

LNT65-BKT-ADJ  
ADJUSTABLE BRACKET

\* Only compatible with LNT65-AC2 and LNT65-AC39

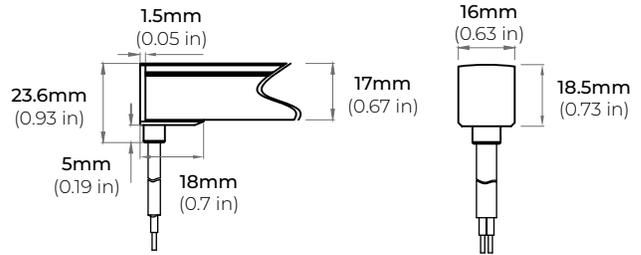


# LNT-65 RGB

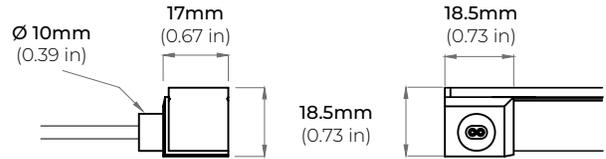
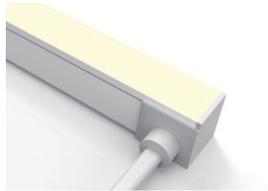
## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

### IP67/68 POWER FEED

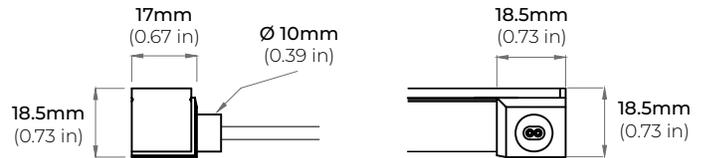
**BF**  
BOTTOM FEED



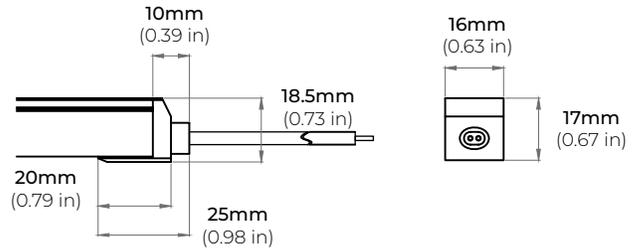
**SFL**  
SIDE FEED LEFT



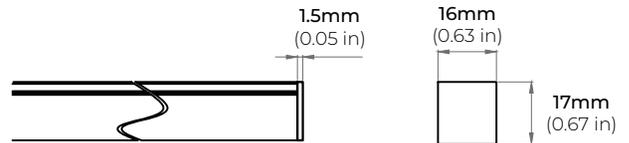
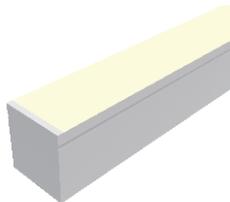
**SFR**  
SIDE FEED RIGHT



**EF**  
END FEED



**LNT65-EC**  
END CAP



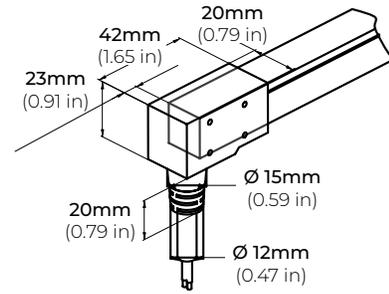
# LNT-65 RGB

## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

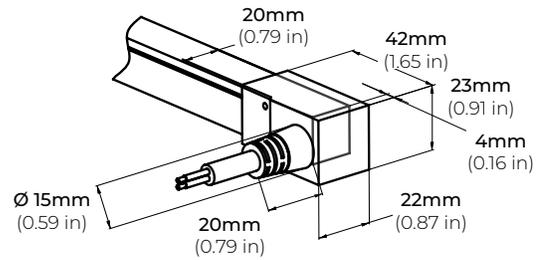
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### IP68CW POWER FEED

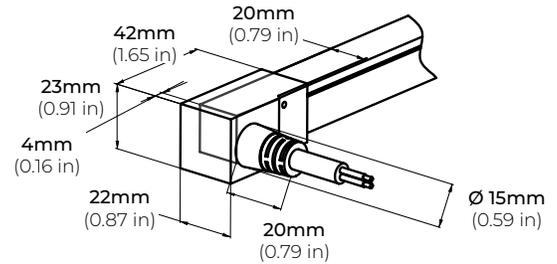
BF  
BOTTOM FEED



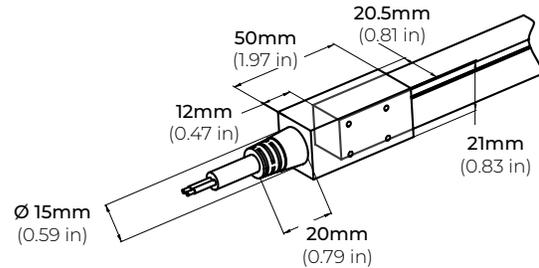
SFL  
SIDE FEED LEFT



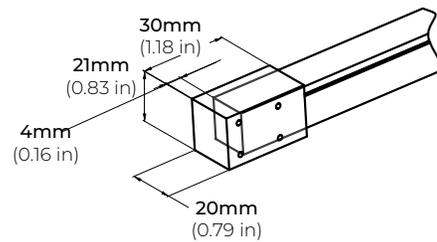
SFR  
SIDE FEED RIGHT



EF  
END FEED



EC  
END CAP



# LNT-65 RGB

## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

### CUTTING LENGTH CODES

LNT-65 RGB 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: 65.9" Total Length = Order Code 30 (65.7") + (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)
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	21.90
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	43.80
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	65.70
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	87.60
41	227.96	89.79
42	233.52	91.94

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	109.50
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	131.40
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	153.30
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	175.20
81	450.36	177.39
82	455.92	179.58

CODE	LENGTH (CM)	LENGTH (IN)
83	461.48	181.77
84	467.04	183.96
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	197.10
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	219.00
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
110	611.6	240.90
111	617.16	243.09
112	622.72	245.28
113	628.28	247.47
114	633.84	249.66
115	639.4	251.85
116	644.96	254.04
117	650.52	256.23
118	656.08	258.42
119	661.64	260.61
120	667.2	262.80
121	672.76	264.99
122	678.32	267.18

# LNT-65 RGB

## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

### CUTTING LENGTH CODES (CONT.)

LNT-65 RGB 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: 65.9" Total Length = Order Code 30 (65.7") + (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)
123	683.88	269.37
124	689.44	271.56
125	695	273.75
126	700.56	275.94
127	706.12	278.13
128	711.68	280.32
129	717.24	282.51
130	722.8	284.70
131	728.36	286.89
132	733.92	289.08
133	739.48	291.27
134	745.04	293.46
135	750.6	295.65
136	756.16	297.84
137	761.72	300.03
138	767.28	302.22
139	772.84	304.41
140	778.4	306.60
141	783.96	308.79
142	789.52	310.98
143	795.08	313.17
144	800.64	315.36
145	806.2	317.55
146	811.76	319.74
147	817.32	321.93
148	822.88	324.12
149	828.44	326.31
150	834	328.50
151	839.56	330.69
152	845.12	332.88
153	850.68	335.07
154	856.24	337.26
155	861.8	339.45
156	867.36	341.64
157	872.92	343.83
158	878.48	346.02
159	884.04	348.21
160	889.6	350.40
161	895.16	352.59
162	900.72	354.78

CODE	LENGTH (CM)	LENGTH (IN)
163	906.28	356.97
164	911.84	359.16
165	917.4	361.35
166	922.96	363.54
167	928.52	365.73
168	934.08	367.92
169	939.64	370.11
170	945.2	372.30
171	950.76	374.49
172	956.32	376.68
173	961.88	378.87
174	967.44	381.06
175	973	383.25
176	978.56	385.44
177	984.12	387.63
178	989.68	389.82
179	995.24	392.01
180	1000.8	394.20

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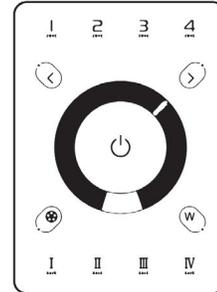
### DMX CONTROLLERS

All DMX Controllers require a DMX Decoder and Non-Dimming Driver.  
Please refer for page 9 and 11 for compatible options.

#### RGB CT600

MULTI-FUNCTION RGBW WALL CONTROLLER

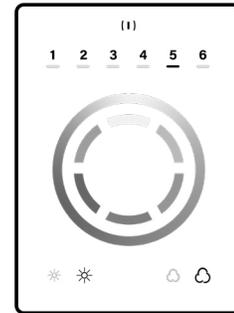
INPUT VOLTAGE	5V DC, 1A
OUTPUT SIGNAL	RF 2.4GHZ + DMX512
CONTROL	4 ZONES
COLOR OPTIONS	Black/ White
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.19"x7.08"x1.38")



#### RGB-SCW4

WiFi DMX WALL CONTROLLER

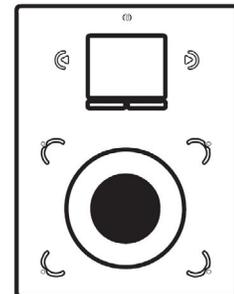
INPUT VOLTAGE	5 - 10V DC, 06A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ 8dry contact ports/ Open drain output (for relay)
MEMORY	Built-In Flash
WORKING TEMP	-10°C ~ 45°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")



#### 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-65 RGB

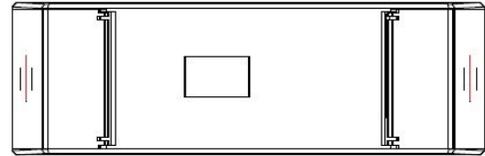
## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

### DMX DECODERS

All DMX Decoders require a DMX Controller and Non-Dimming Driver.  
Please refer for page 8 and 11 for compatible options.

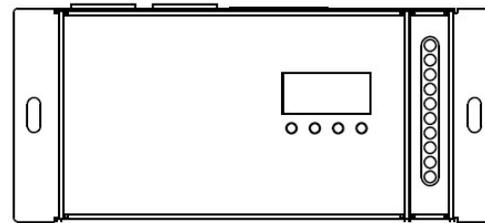
#### RGB-DMX-4C-RJ45 4-CHANNEL DMX DECODER

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 RGB

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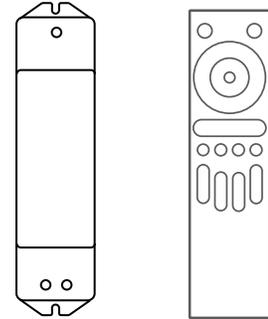
### NON-DMX CONTROLLERS

#### 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)

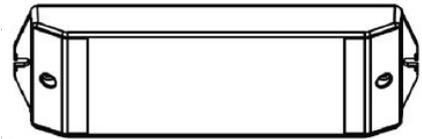
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#### RGB-CT700

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)

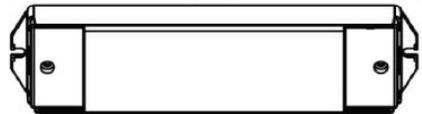


#### RGB-CT705ZR

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-65 RGB

## 3.4W IP67/68 COLOR CHANGING LED NEON SERIES

### 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 x1.2")

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



### NON-DIMMING DRIVERS

#### 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"

