

LNT-45 RGBW

4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 09.19.26

LNT-45 RGBW is a high performance flexible LED fixture designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT45RGBW easily bends around contours and tight curves 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	4.4W per Ft.
LUMEN OUTPUT	140Lm/ Ft. (Flat) 105Lm/ Ft. (Dome)
CRI	88+
COLOR TEMPERATURE	RGB+27K/ RGB+40K
DIMMING/ CONTROL	Through RGBW Controller
MAXIMUM RUN LENGTH	32 Ft.
MINIMUM RUN LENGTH	6.56 in.
CUT INTERVALS	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
- 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	VOLT	INPUT	FEED LENGTH	OUTPUT	FEED LENGTH*
LNT-45	F Flat	RGBW27K RGB+2700K	Please refer to page 5 for exact lengths with corresponding ordering codes.	24 24V DC	BF Bottom Feed	HW3 3 Ft. Power Feed	BF Bottom Feed	HW3 3 Ft. Power Feed
	D Dome	RGBW40K RGB+4000K			SFL Side Feed Left	HW10 10 Ft. Power Feed	SFL Side Feed Left	HW10 10 Ft. Power Feed
					SFR Side Feed Right	HW16 16 Ft. Power Feed	SFR Side Feed Right	HW16 16 Ft. Power Feed
					EF End Feed	HW32 32 Ft. Power Feed	EF End Feed	HW32 32 Ft. Power Feed
						HW50 50 Ft. Power Feed	EC End Cap	HW50 50 Ft. Power Feed
*Not compatible with End Cap (EC)								

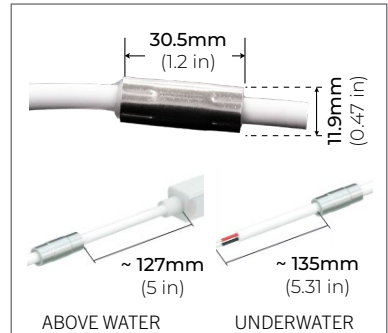
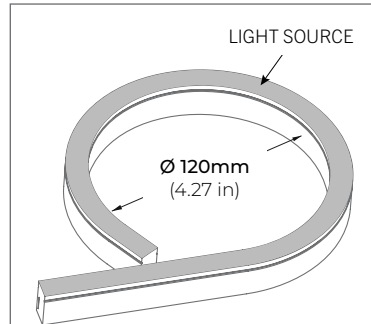
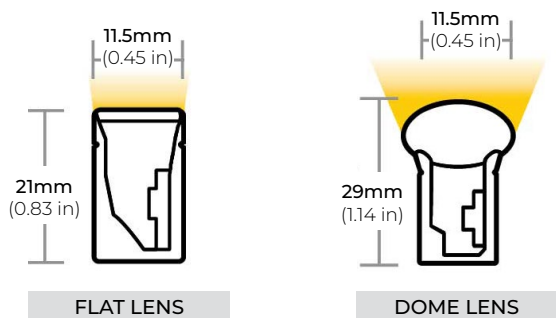
LNT-45 RGBW

4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

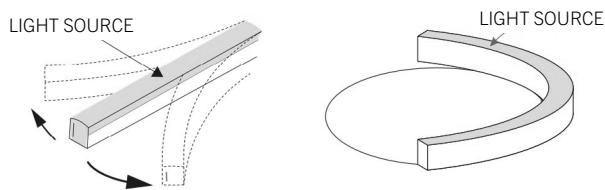
CORE
ARCHITECTURAL
LIGHTING

UPDATED: 09.19.26

DIMENSIONS



HORIZONTAL BEND



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

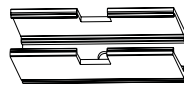
All CORE Lighting IP67/IP68 Neons include a choker that sits roughly 5" from the end of the Neon for above water applications, and roughly 5.31" from the end of the cable for underwater applications.

*Warranty is void if removed.

COMPATIBLE ACCESSORIES

SELF LOCKING ALUMINUM PROFILE

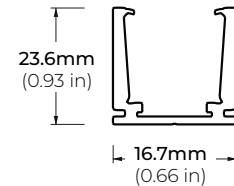
LNT45-AC2
1.38" PROFILE



LNT45-AC2

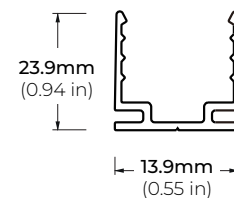


LNT45-AC39



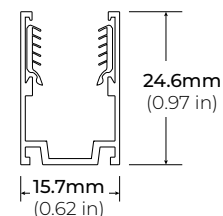
PLASTIC PROFILE

LNT45-PC39
39" PROFILE



FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX
39" CHANNEL



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COMPATIBLE ACCESSORIES

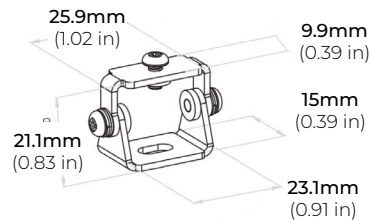
FLEXIBLE PROFILE

LNT45-SPX39-WH
39" PROFILE (WHITE)

LNT45-SPX39-BK
39" PROFILE (BLACK)



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.

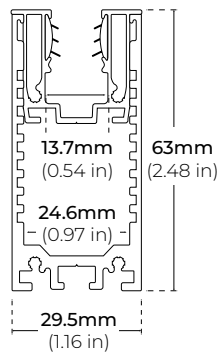
LNT45-SMR-EC
END CAPS

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

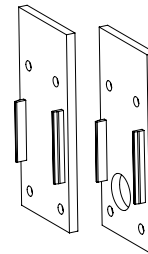
* Sold Separately

LNT45-SMR-SC
JOINER BRACKET

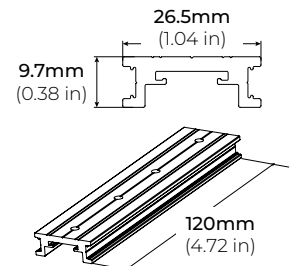
* Sold Separately



LNT45-SMR-AC39



LNT45-SMR-EC

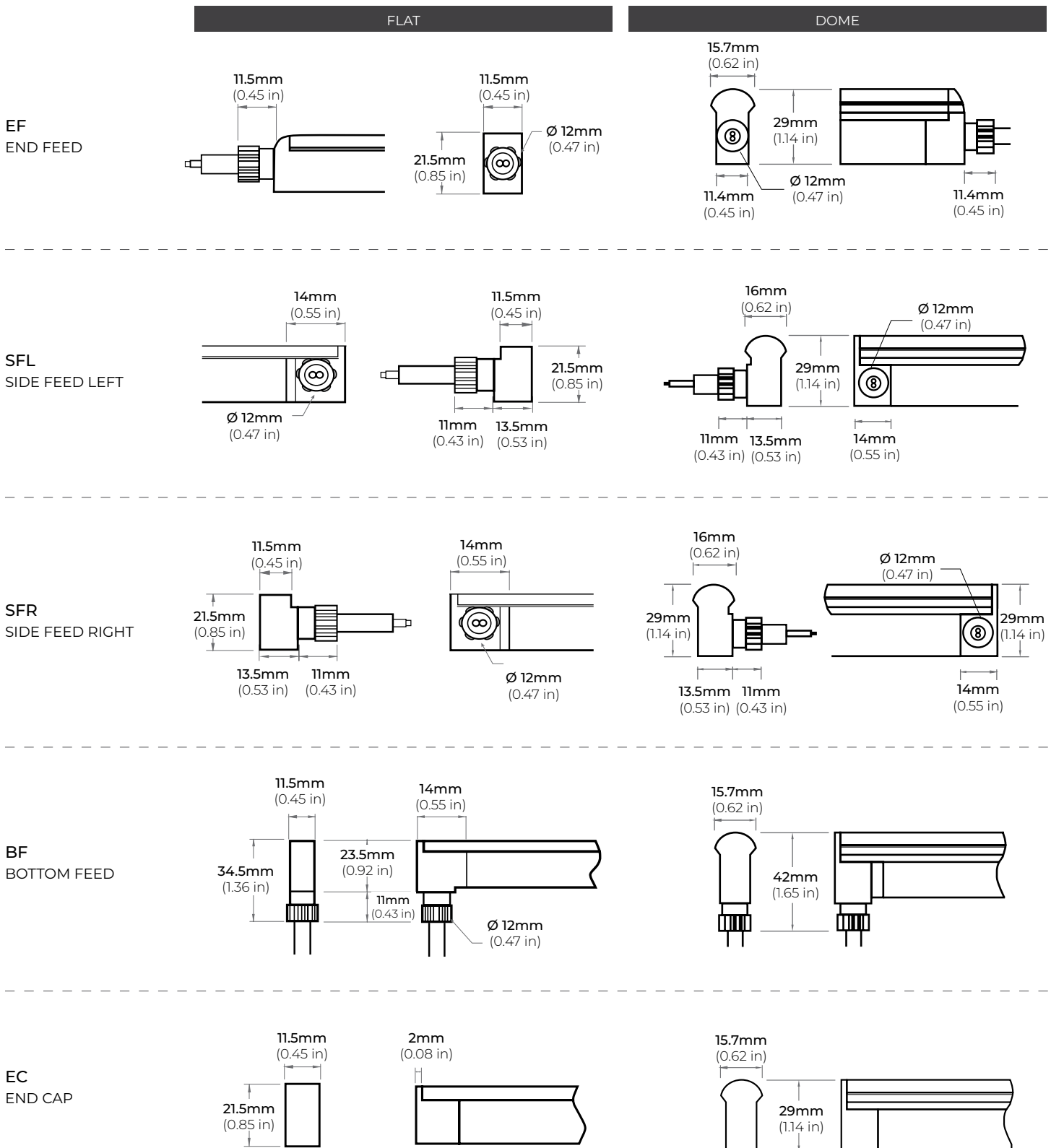


LNT45-SMR-JB

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IP67/68 POWER FEED



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CUTTING LENGTH CODES

LNT-45 RGBW 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

* Minimum Run Length is 6.56".

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

CUTTING LENGTH INCREMENT TABLE

CODE	LENGTH (CM)	LENGTH (IN)
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
41	341.53	134.48

CODE	LENGTH (CM)	LENGTH (IN)
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
81	674.73	265.68

CODE	LENGTH (CM)	LENGTH (IN)
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

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4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

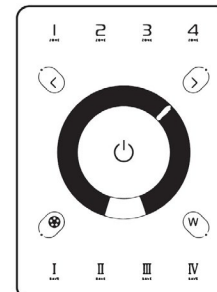
DMX CONTROLLERS

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

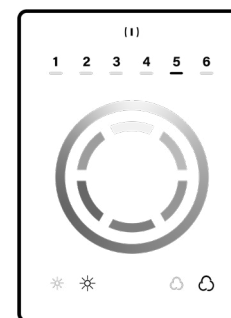
INPUT VOLTAGE	5V DC, 1A
OUTPUT SIGNAL	RF 2.4GHZ + DMX512
CONTROL	4 ZONES
COLOR OPTIONS	Black/ White
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.19"x7.08"x1.38")



RGB-SCW4

WiFi DMX WALL CONTROLLER

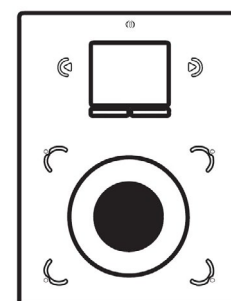
INPUT VOLTAGE	5 - 10V DC, 06A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ 8dry contact ports/ Open drain output (for relay)
MEMORY	Built-In Flash
WORKING TEMP	-10°C ~ 45°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")



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 RGBW

4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

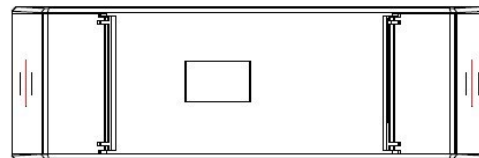
DMX DECODERS

*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

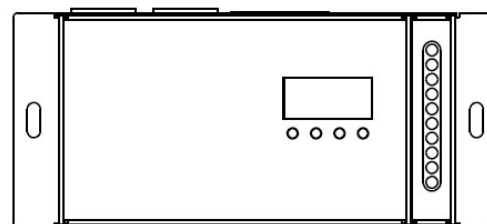
INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	8A X 4CH
OUTPUT WATTAGE	4 x (96W ~ 288W)
OUTPUT CHANNELS	4
DIMENSIONS	LxWxH (6.5"x2.38"x1.27")



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")



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4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

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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")

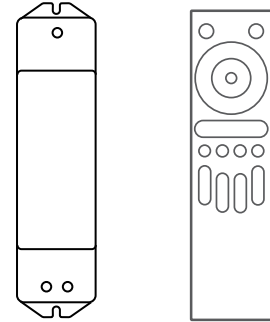
** Paired with RGB-CT550-RX (Sold Separately)*

RGB-CT550-RX

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)*



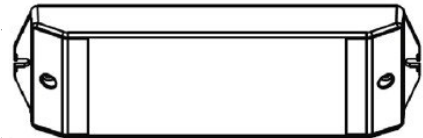
** RGB-CT550-RX
(Sold Separately)*

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)*

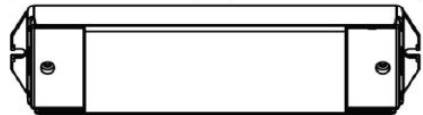


RGB-CT705ZR

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 RGBW

4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

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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 RGBW

4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

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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"

