

LNT-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

Project _____

Location _____

Quote/ Ref # _____

LNT-65 RGBW is a high performance flexible LED fixture designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT-65 RGBW 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	4.5W per Ft.
LUMEN OUTPUT	190 Lm/ Ft.
LED CHIP	NICHIA
CRI	88+
COLOR TEMPERATURE	RGB+27K/ RGB+40K
DIMMING	Through RGBW controller
MAXIMUM RUN LENGTH	32 Ft.
CUT INTERVALS	Every 83.33mm (3.28 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 Listed (US and Canada)
- UL-676 Pool Submersible (IP68CW model)
- Waterproof/ Underwater Submersible

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



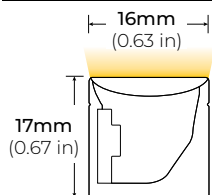
MODEL	LENS	SURFACE	COLOR TEMP	LENGTH	VOLT	RATING	INPUT	LENGTH	OUTPUT	LENGTH*
LNT-65	F Flat	HB Horizontal Bend	RGBW27K RGB+2700K	Please refer to page 6 for exact lengths with corresponding ordering codes.	24 24V DC	IP68 IP67/ 68	BF Bottom Feed	HW3 3 Ft. Power Feed	BF Bottom Feed	HW3 3 Ft. Power Feed
			IP68CW Chlorine Water			SFL Side Feed Left	HW10 10 Ft. Power Feed	SFL Side Feed Left	HW10 10 Ft. Power Feed	
		SFR Side Feed Right				HW15 15 Ft. Power Feed	SFR Side Feed Right	HW15 15 Ft. Power Feed		
		EF End Feed				HW30 30 Ft. Power Feed	EF End Feed	HW30 30 Ft. Power Feed		
						HW50 50 Ft. Power Feed	EC End Cap	HW50 50 Ft. Power Feed		
										* Not compatible with End Cap (EC)

LNT-65 RGBW

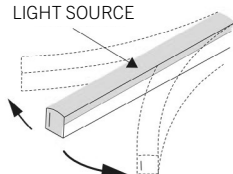
4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

DIMENSIONS

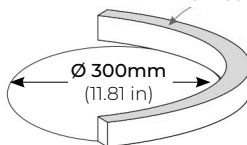
LNT65-HB (HORIZONTAL BEND)



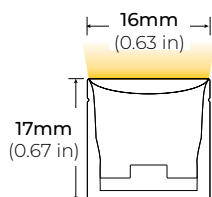
LIGHT SOURCE



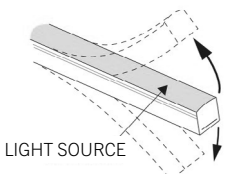
LIGHT SOURCE



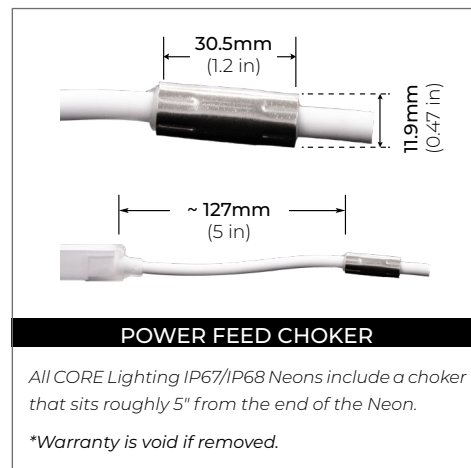
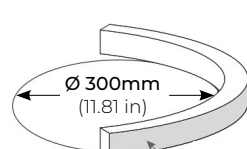
LNT65-VB (VERTICAL BEND)



LIGHT SOURCE



LIGHT SOURCE



POWER FEED CHOKER

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

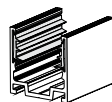
**Warranty is void if removed.*

COMPATIBLE ACCESSORIES

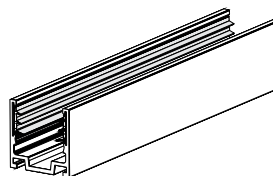
SELF LOCKING ALUMINUM PROFILE

LNT65-AC2
0.78" PROFILE

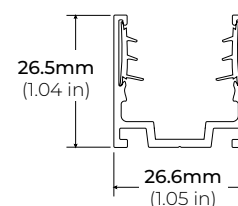
LNT65-AC39
39" PROFILE



LNT65-AC2

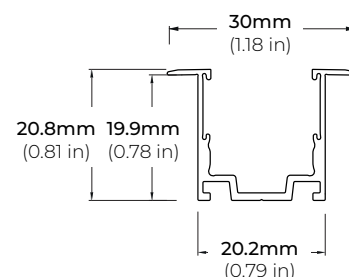
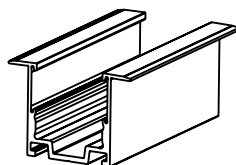


LNT65-AC39



RECESSED PROFILE

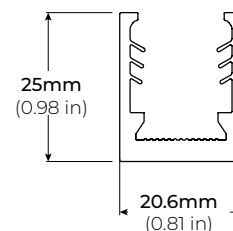
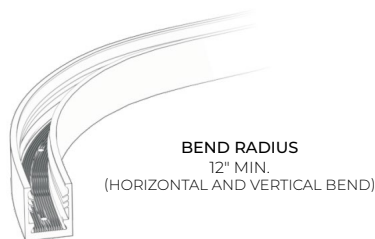
LNT65-RS39
39" PROFILE



FLEXIBLE PROFILE

LNT65-SPX39-WH
39" PROFILE (WHITE)

LNT65-SPX39-BK
39" PROFILE (BLACK)



LNT-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

COMPATIBLE ACCESSORIES

RACEWAY PROFILE

LNT65-ARC39-SI
39" PROFILE (SILVER)

LNT65-ARC39-WH
39" PROFILE (WHITE)

LNT65-ARC39-BK
39" PROFILE (BLACK)

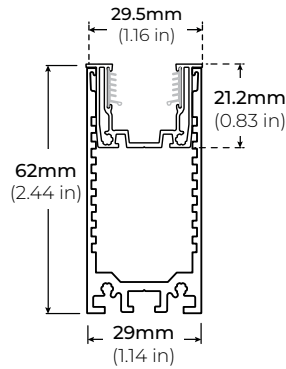
LNT65-ARC-EC
END CAPS

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

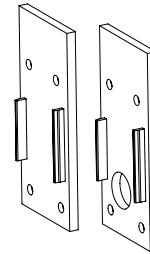
* Sold Separately

LNT65-ARC-JB
JOINER BRACKET

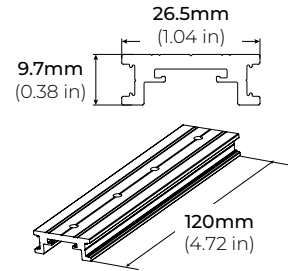
* Sold Separately



LNT65-ARC39



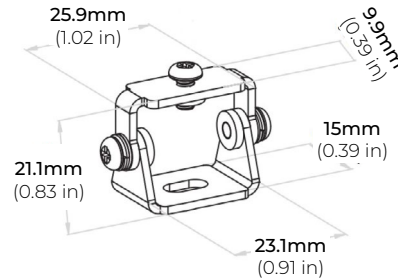
LNT65-ARC-EC



LNT65-ARC-JB

LNT65-BKT-ADJ
ADJUSTABLE BRACKET

* Only compatible with LNT65-AC2 and LNT65-AC39



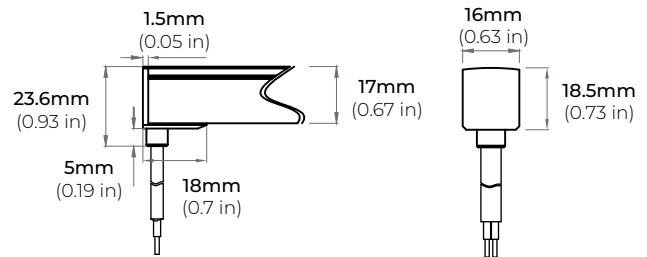
LNT-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

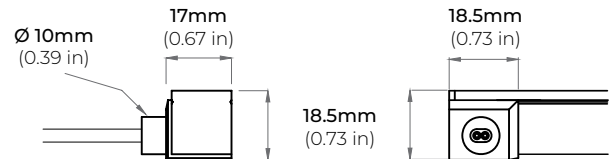
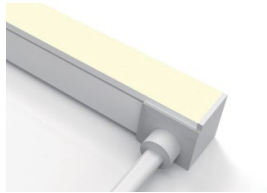
UPDATED: 07.17.26

IP67/68 POWER FEED

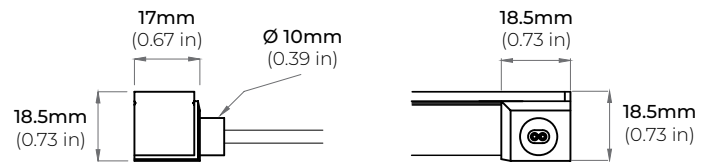
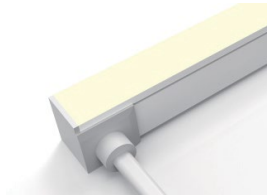
BF
BOTTOM FEED



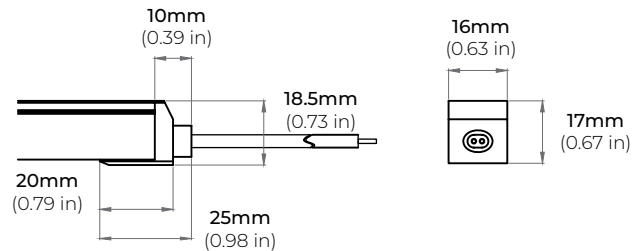
SFL
SIDE FEED LEFT



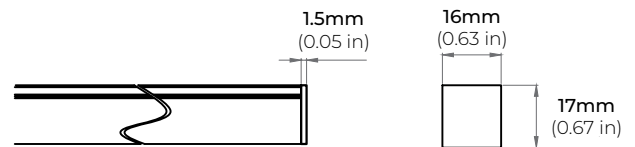
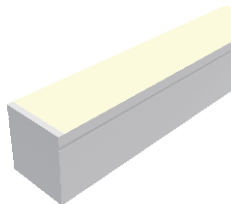
SFR
SIDE FEED RIGHT



EF
END FEED



LNT65-EC
END CAP

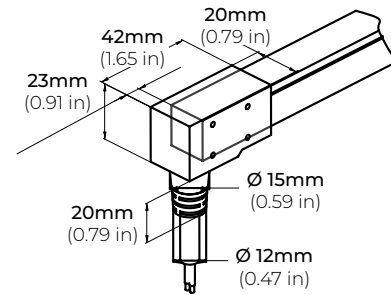


LNT-65 RGBW

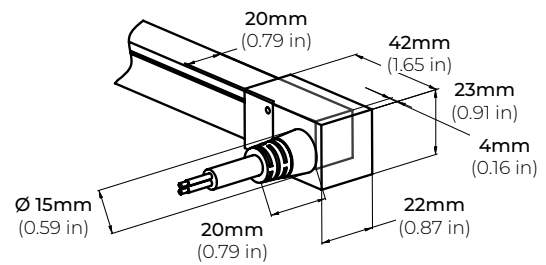
4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

IP68CW POWER FEED

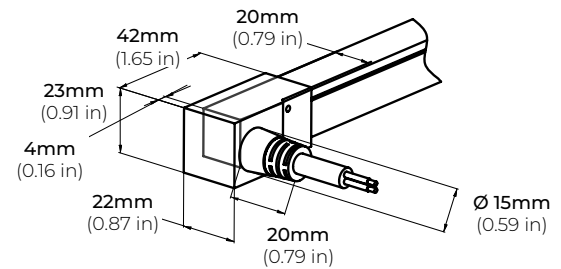
BF
BOTTOM FEED



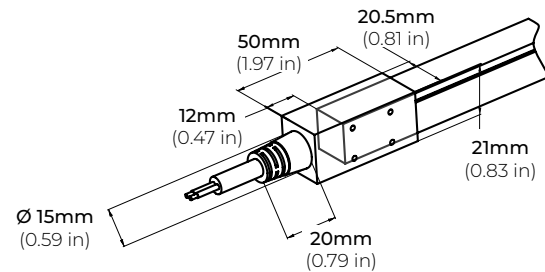
SFL
SIDE FEED LEFT



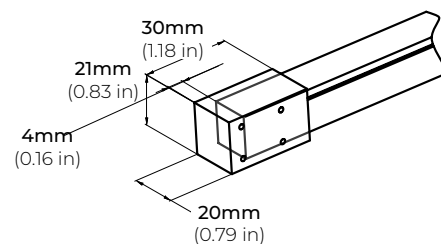
SFR
SIDE FEED RIGHT



EF
END FEED



LNT65-EC
END CAP



LNT-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

CUTTING LENGTH CODES

LNT-65 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

Example: 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)
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

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-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

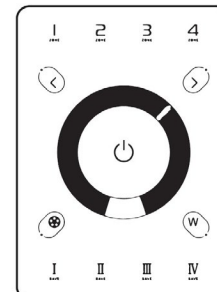
DMX CONTROLLERS

*All DMX Controllers require a DMX Decoder and Non-Dimming Driver.
Please refer for page 8 and 10 for compatible options.*

RGB CT600

MULTI-FUNCTION RGBW WALL CONTROLLER

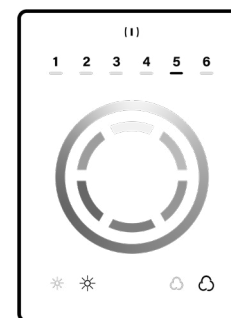
INPUT VOLTAGE	5V DC, 1A
OUTPUT SIGNAL	RF 2.4GHZ + DMX512
CONTROL	4 ZONES
COLOR OPTIONS	Black/ White
WORKING TEMP	-20°C ~ 40°C
DIMENSIONS	LxWxH (5.19"x7.08"x1.38")



RGB-SCW4

WiFi DMX WALL CONTROLLER

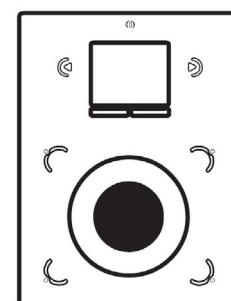
INPUT VOLTAGE	5 - 10V DC, 06A
OUTPUT SIGNAL	DMX512 (x2)
PROGRAMMABILITY	PC/ MAC
COLOR OPTIONS	Black/ White
CONNECTIONS	USB/ 8dry contact ports/ Open drain output (for relay)
MEMORY	Built-In Flash
WORKING TEMP	-10°C ~ 45°C
DIMENSIONS	LxWxH (5.75"x4.17"x0.43")



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-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

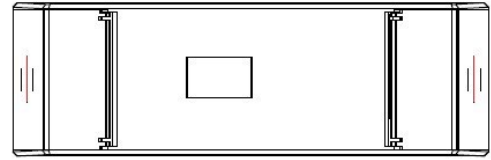
DMX DECODERS

*All DMX Decoders require a DMX Controller and Non-Dimming Driver.
Please refer for page 7 and 10 for compatible options.*

RGB-DMX-4C-RJ45

4-CHANNEL DMX DECODER

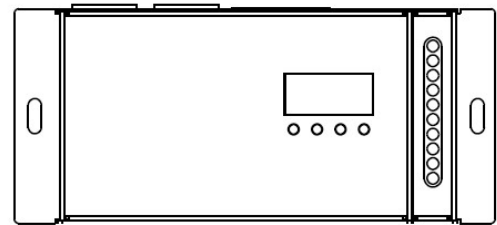
INPUT VOLTAGE	12V-24V DC
OUTPUT CURRENT	8A X 4CH
OUTPUT WATTAGE	4 x (96W ~ 288W)
OUTPUT CHANNELS	4
DIMENSIONS	LxWxH (6.5"x2.38"x1.27")



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-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

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")

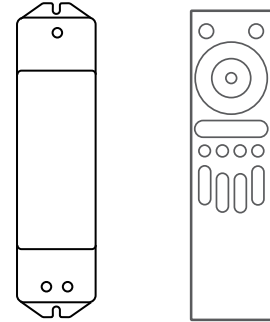
** Paired with RGB-CT550-RX (Sold Separately)*

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)*



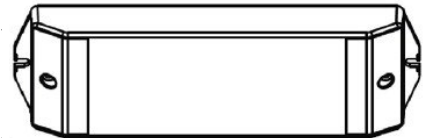
** RGB-CT550-RX
(Sold Separately)*

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)*

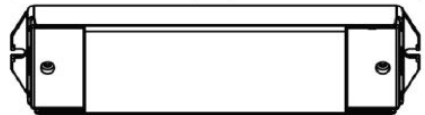


RGB-CT705ZR

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-65 RGBW

4.5W IP67/68 COLOR CHANGING + WHITE 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 x 1.2")

** 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"

