

LNT-45 RGBW

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

Project _____
Location _____
Quote/ Ref # _____

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. |
| 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
- 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.

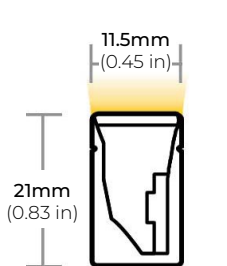
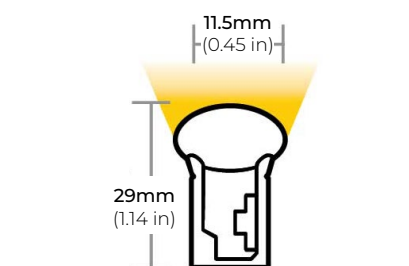
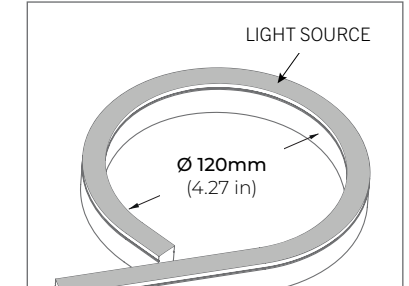
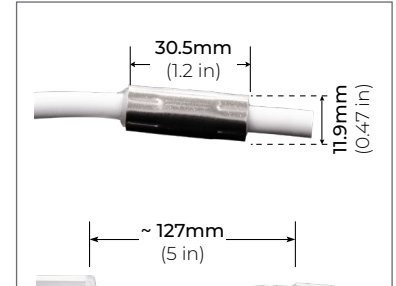
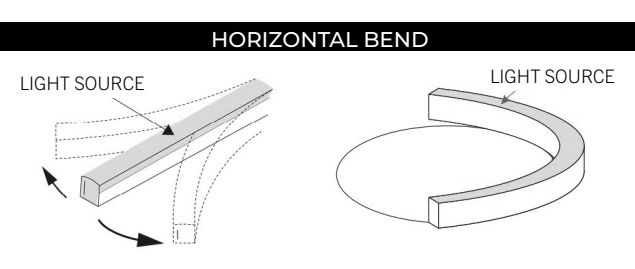


| MODEL | LENS | COLOR TEMP | LENGTH (PF) | VOLTAGE | POWER FEED | FEED LENGTH |
|-------|-----------|----------------------|---|--------------|---------------------------|---------------------------|
| LNT45 | F Flat | RGBW27K RGB+2700K | Please refer to page 5 for exact lengths with corresponding ordering codes. | 24 24V DC | BF Bottom Feed | HW3 3 Ft. power feed |
| | D Dome | RGBW40K RGB+4000K | | | SFL Side Feed Left | HW10 10 Ft. power feed |
| | | | | | SFR Side Feed Right | HW16 16 Ft. power feed |
| | | | | | EF End Feed | HW32 32 Ft. power feed |
| | | | | | HW50 50 Ft. power feed | |

LNT-45 RGBW

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

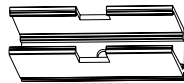
DIMENSIONS

| | | | |
|--|---|--|--|
|  <p>FLAT LENS</p> |  <p>DOME LENS</p> |  <p>BEND DIAMETER</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 NOT bend more than the indicated bend radius (shown above). Doing so will damage the LED strip.</p> |  <p>POWER FEED CHOKER</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>HORIZONTAL BEND</p>  | | | |

COMPATIBLE ACCESSORIES

SELF LOCKING ALUMINUM PROFILE

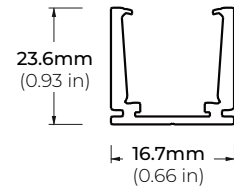
LNT45-AC2
1.38" PROFILE



LNT45-AC2



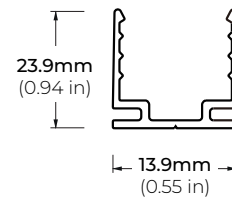
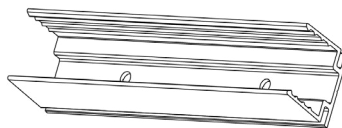
LNT45-AC39



LNT45-AC39
39" PROFILE

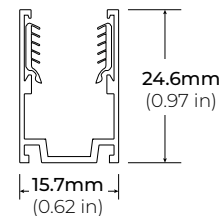
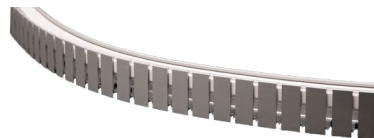
PLASTIC PROFILE

LNT45-PC39
39" PROFILE



FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX
39" CHANNEL

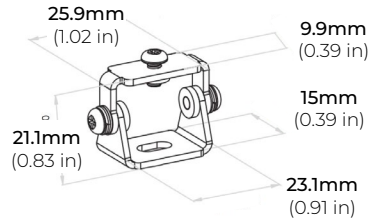


LNT-45 RGBW

4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE 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.

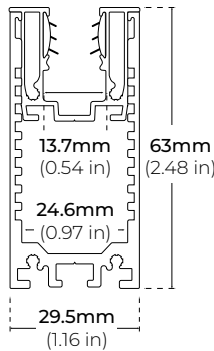
LNT45-SMR-EC
END CAPS

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

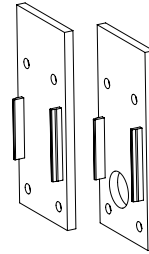
* Sold Separately

LNT45-SMR-SC
JOINER BRACKET

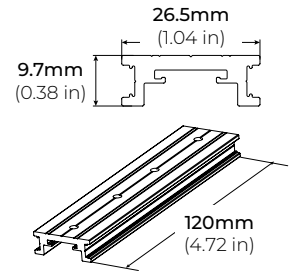
* Sold Separately



LNT45-SMR-AC39



LNT45-SMR-EC



LNT45-SMR-JB

LNT-45 RGBW

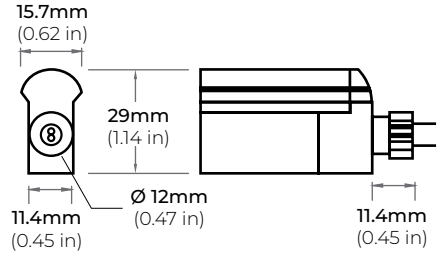
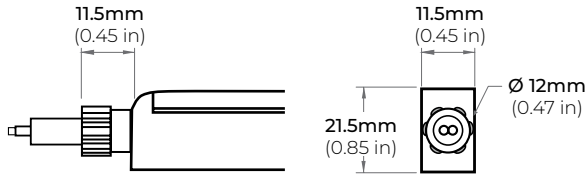
4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

IP67/68 POWER FEED

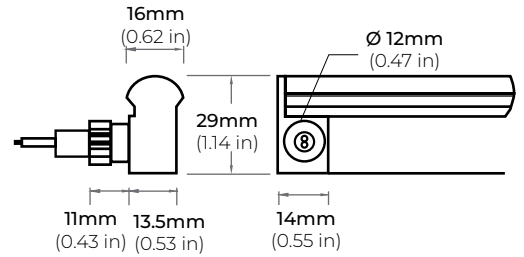
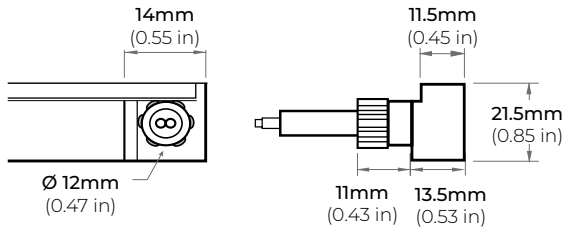
FLAT

DOME

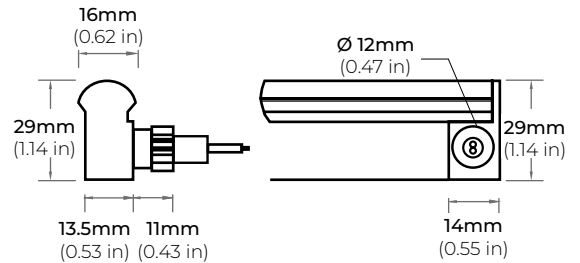
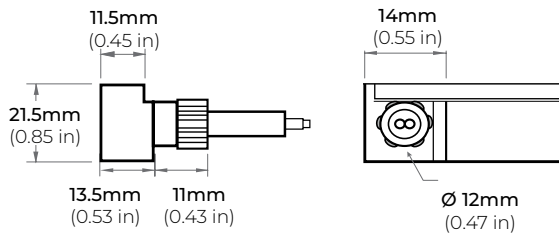
EF
END FEED



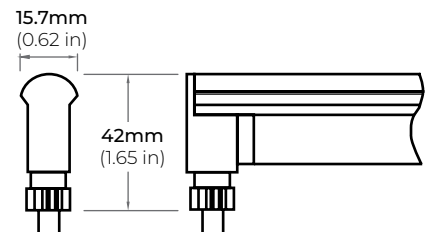
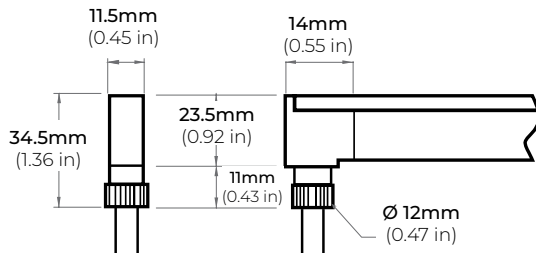
SFL
SIDE FEED LEFT



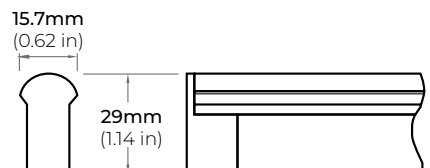
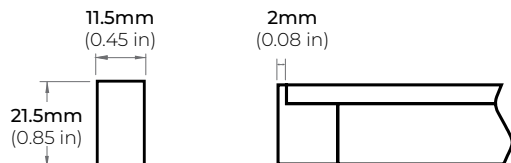
SFR
SIDE FEED RIGHT



BF
BOTTOM FEED



EC
END CAP



LNT-45 RGBW

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

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

| 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 RGBW

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

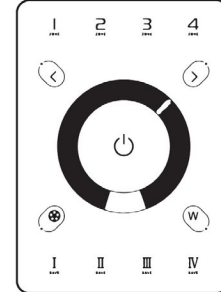
DMX CONTROLLERS

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

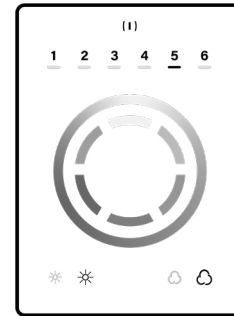
| | |
|---------------|---------------------------|
| INPUT VOLTAGE | 5V DC, 1A |
| OUTPUT SIGNAL | RF 2.4GHZ + DMX512 |
| CONTROL | 4 ZONES |
| COLOR OPTIONS | Black/ White |
| WORKING TEMP | -20°C ~ 40°C |
| DIMENSIONS | LxWxH (5.19"x7.08"x1.38") |



RGB-SCW4

WiFi DMX WALL CONTROLLER

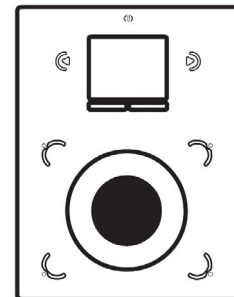
| | |
|-----------------|--|
| INPUT VOLTAGE | 5 - 10V DC, 06A |
| OUTPUT SIGNAL | DMX512 (x2) |
| PROGRAMMABILITY | PC/ MAC |
| COLOR OPTIONS | Black/ White |
| CONNECTIONS | USB/ 8dry contact ports/ Open drain output (for relay) |
| MEMORY | Built-In Flash |
| WORKING TEMP | -10°C ~ 45°C |
| DIMENSIONS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

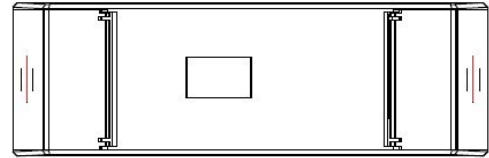
4.4W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

DMX DECODERS

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

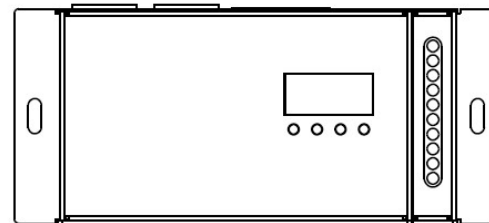
RGB-DMX-4C-RJ45 4-CHANNEL DMX DECODER

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")



LNT-45 RGBW

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

UPDATED: 03.18.26

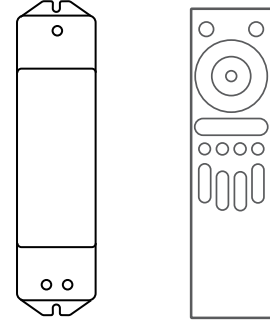
NON-DMX CONTROLLERS

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. |

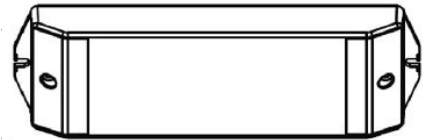
* Paired with RGB-CT550 (Sold Separately)

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)

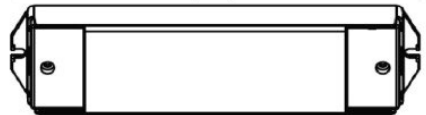


RGB-CT705ZR

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

UPDATED: 03.18.26

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

UPDATED: 03.18.26

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" |

