

# 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.                        |
| MINIMUM RUN LENGTH    | 9.84 in.                      |
| 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.



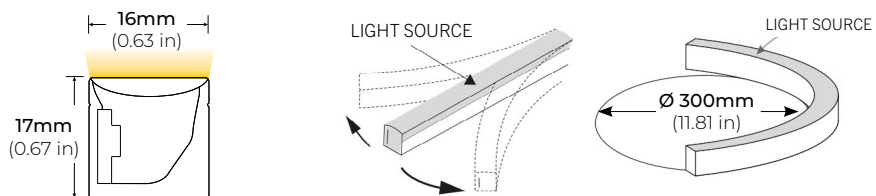
| MODEL                                       | LENS      | SURFACE                  | COLOR TEMP                   | LENGTH                                                                                        | VOLT         | RATING                      | INPUT                        | LENGTH                       | OUTPUT                       | LENGTH*                      |
|---------------------------------------------|-----------|--------------------------|------------------------------|-----------------------------------------------------------------------------------------------|--------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| LNT-65                                      | F<br>Flat | HB<br>Horizontal<br>Bend | RGBW27K<br>RGB+2700K         | Please refer<br>to page 6<br>for exact<br>lengths with<br>corresponding<br>ordering<br>codes. | 24<br>24V DC | IP68<br>IP67/ 68            | BF<br>Bottom<br>Feed         | HW3<br>3 Ft. Power<br>Feed   | BF<br>Bottom<br>Feed         | HW3<br>3 Ft. Power<br>Feed   |
|                                             |           | VB<br>Vertical<br>Bend   | RGBW40K<br>RGB+4000K         |                                                                                               |              | IP68CW<br>Chlorine<br>Water | SFL<br>Side Feed<br>Left     | HW10<br>10 Ft. Power<br>Feed | SFL<br>Side Feed<br>Left     | HW10<br>10 Ft. Power<br>Feed |
|                                             |           |                          | SFR<br>Side Feed<br>Right    |                                                                                               |              |                             | HW15<br>15 Ft. Power<br>Feed | SFR<br>Side Feed<br>Right    | HW15<br>15 Ft. Power<br>Feed |                              |
|                                             |           |                          | EF<br>End Feed               |                                                                                               |              |                             | HW30<br>30 Ft. Power<br>Feed | EF<br>End Feed               | HW30<br>30 Ft. Power<br>Feed |                              |
|                                             |           |                          | HW50<br>50 Ft. Power<br>Feed |                                                                                               |              |                             | EC<br>End Cap                | HW50<br>50 Ft. Power<br>Feed |                              |                              |
|                                             |           |                          |                              |                                                                                               |              |                             |                              |                              |                              |                              |
| * Not<br>compatible<br>with End Cap<br>(EC) |           |                          |                              |                                                                                               |              |                             |                              |                              |                              |                              |

# LNT-65 RGBW

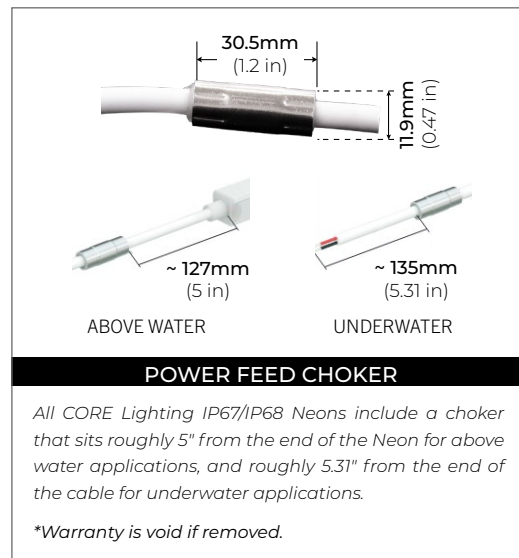
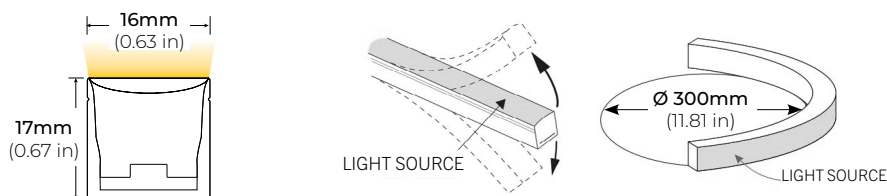
## 4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

### DIMENSIONS

#### LNT65-HB (HORIZONTAL BEND)



#### LNT65-VB (VERTICAL BEND)

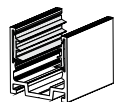


### COMPATIBLE ACCESSORIES

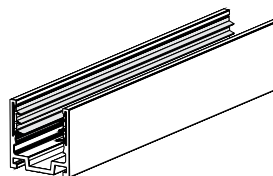
#### SELF LOCKING ALUMINUM PROFILE

LNT65-AC2  
0.78" PROFILE

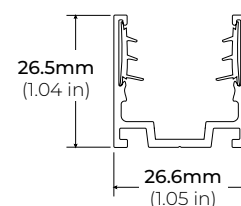
LNT65-AC39  
39" PROFILE



LNT65-AC2

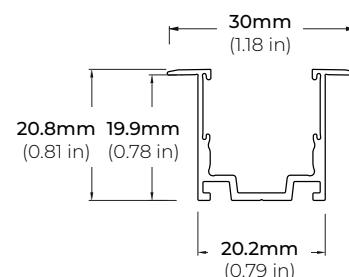
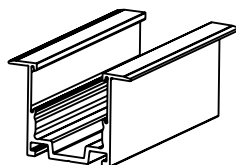


LNT65-AC39



#### RECESSED PROFILE

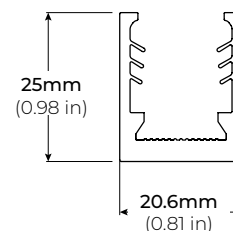
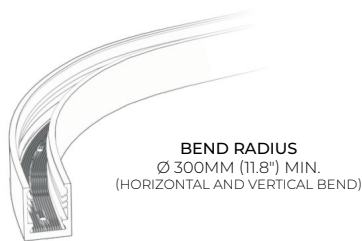
LNT65-RS39  
39" PROFILE



#### 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)

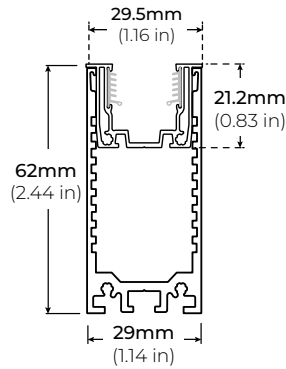
**LNT65-ARC-EC**  
END CAPS

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

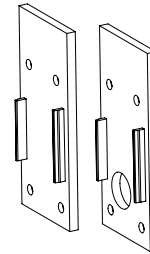
\* Sold Separately

**LNT65-ARC-JB**  
JOINER BRACKET

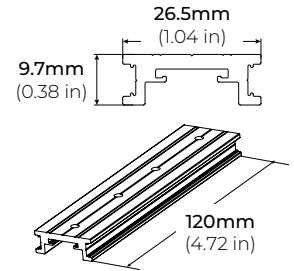
\* Sold Separately



LNT65-ARC39



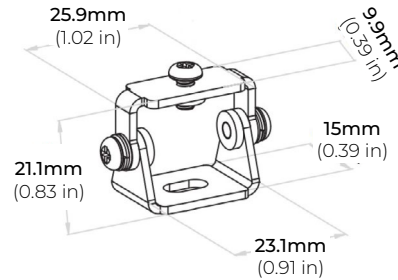
LNT65-ARC-EC



LNT65-ARC-JB

**LNT65-BKT-ADJ**  
ADJUSTABLE BRACKET

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

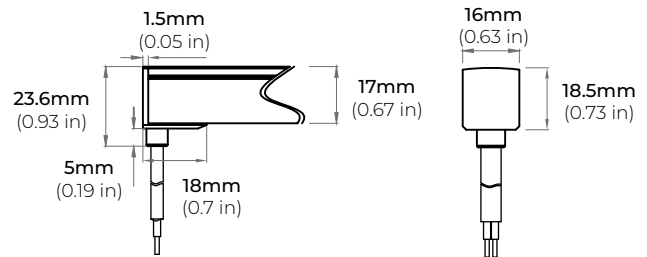


# LNT-65 RGBW

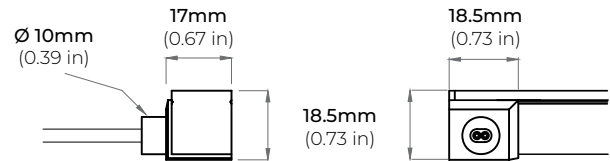
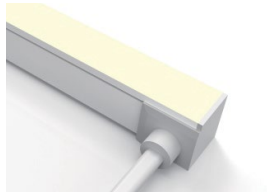
## 4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

### IP67/68 POWER FEED

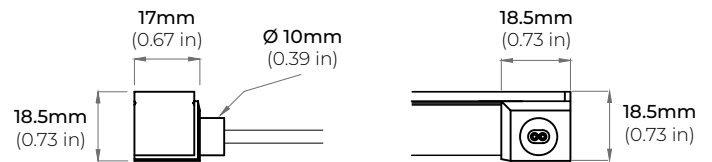
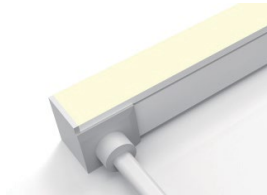
**BF**  
BOTTOM FEED



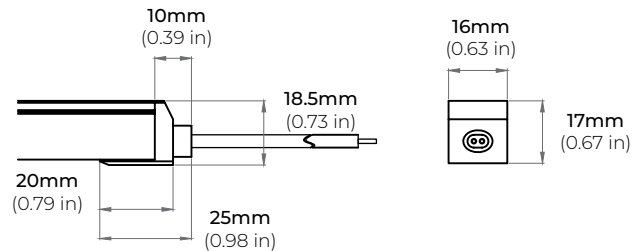
**SFL**  
SIDE FEED LEFT



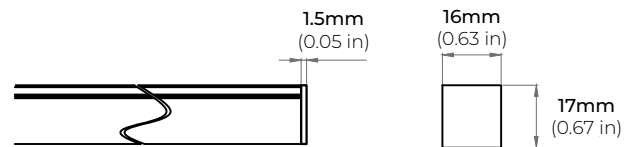
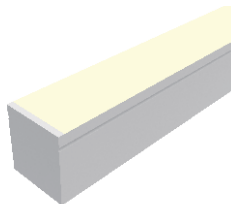
**SFR**  
SIDE FEED RIGHT



**EF**  
END FEED



**LNT65-EC**  
END CAP

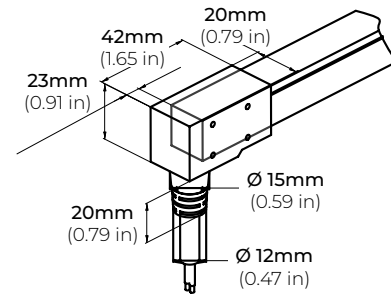


# LNT-65 RGBW

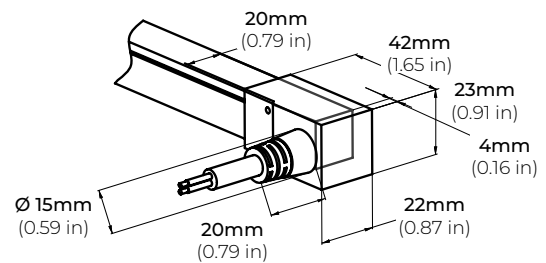
## 4.5W IP67/68 COLOR CHANGING + WHITE NEON SERIES

### IP68CW POWER FEED

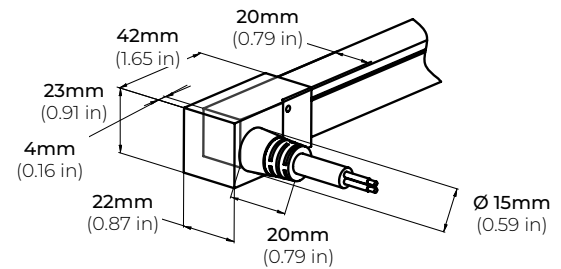
**BF**  
BOTTOM FEED



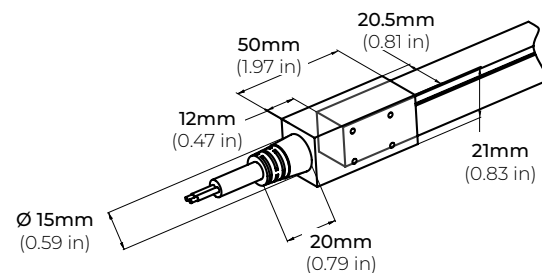
**SFL**  
SIDE FEED LEFT



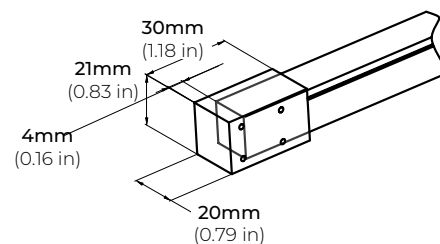
**SFR**  
SIDE FEED RIGHT



**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.**

\* **Minimum Run Length is 9.84".**

| 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

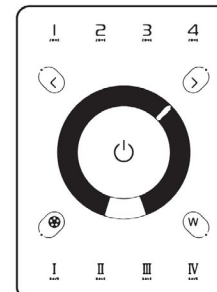
### DMX CONTROLLERS

*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

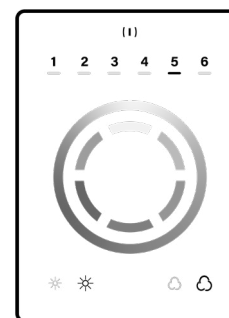
|               |                           |
|---------------|---------------------------|
| INPUT VOLTAGE | 5V DC, 1A                 |
| OUTPUT SIGNAL | RF 2.4GHZ + DMX512        |
| CONTROL       | 4 ZONES                   |
| COLOR OPTIONS | Black/ White              |
| WORKING TEMP  | -20°C ~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



#### RGB-SCW4

WiFi DMX WALL CONTROLLER

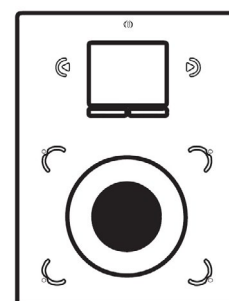
|                 |                                                        |
|-----------------|--------------------------------------------------------|
| INPUT VOLTAGE   | 5 - 10V DC, 06A                                        |
| OUTPUT SIGNAL   | DMX512 (x2)                                            |
| 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")                                        |



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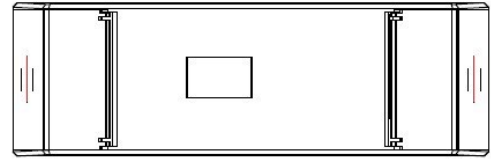
### DMX DECODERS

*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

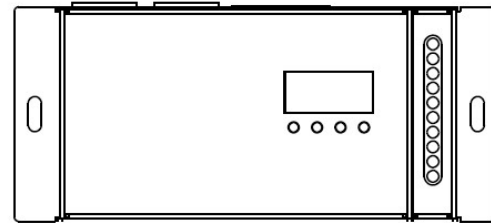
|                 |                          |
|-----------------|--------------------------|
| INPUT VOLTAGE   | 12V-24V DC               |
| OUTPUT CURRENT  | 8A X 4CH                 |
| OUTPUT WATTAGE  | 4 x (96W ~ 288W)         |
| OUTPUT CHANNELS | 4                        |
| DIMENSIONS      | 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") |



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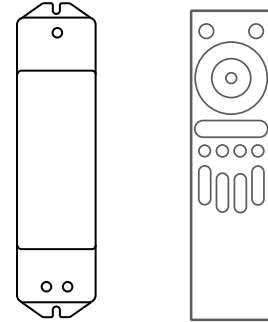
### NON-DMX CONTROLLERS

#### 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)*

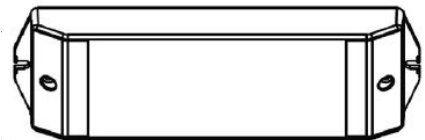
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#### RGB-CT700

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)*

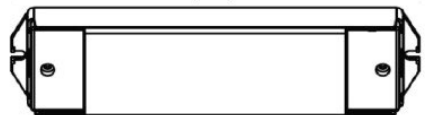


#### RGB-CT705ZR

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 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" |

