

LNT-45 RGB

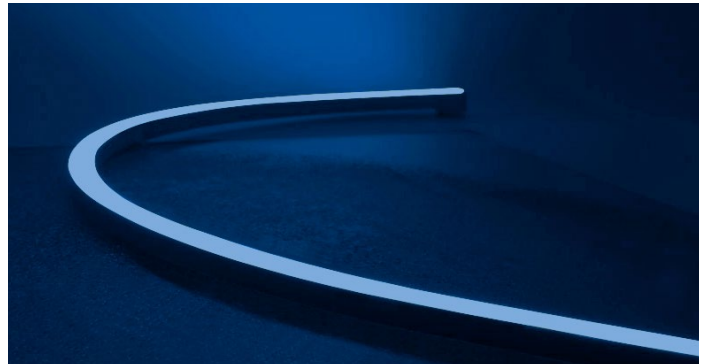
4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

Project _____

Location _____

Quote/ Ref # _____

LNT-45 RGB is a high-performance, color-changing, flexible LED fixture designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT45RGB easily bends around contours and tight curves without being damaged. It allows for easy installation with its factory sealed terminators and custom accessories.



SPECIFICATIONS

| | |
|-----------------------|---|
| INPUT VOLTAGE | 24V DC Constant Voltage |
| POWER CONSUMPTION | 4.4W per Ft. |
| LUMEN OUTPUT | 140 Lm/ Ft. (Flat) 105 Lm/ Ft. (Dome) |
| CRI | 88+ |
| COLOR TEMPERATURE | RGB |
| DIMMING/ CONTROL | Through RGB Controller |
| MAXIMUM RUN LENGTH | 32 Ft. |
| CUTTABLE | Every 100.1mm (3.94 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
- Ideal for Indoor and Outdoor use
- Waterproof, Submersible under water
- Bottom, Side and End Feed options
- Continuous run length up to 32 Ft.
- UL Listed (US and Canada)

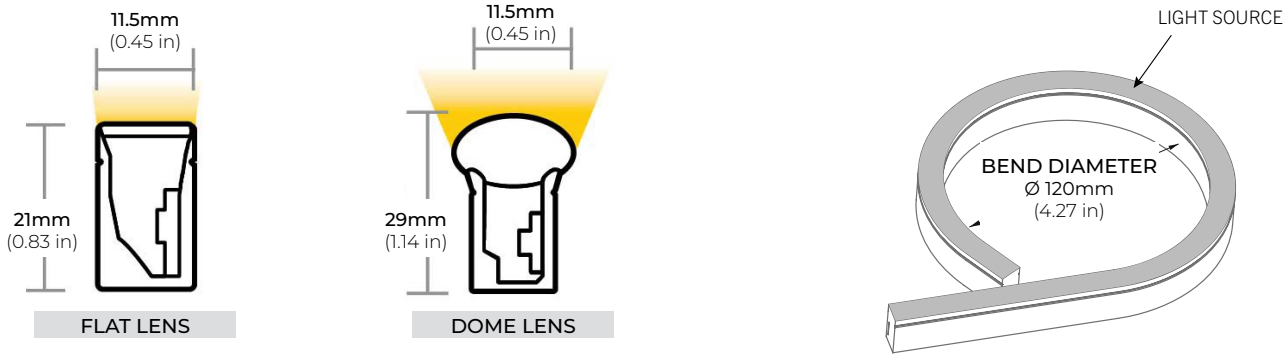


| MODEL | LENS | COLOR TEMP | VOLTAGE | LENGTH | POWER FEED | FEED LENGTH |
|--------|------------------------|------------------------------|--------------|--|---------------------------|---------------------------|
| LNT-45 | F Flat | RGB RGB Color Changing | 24 24V DC | Please refer to page 4 for exact lengths with corresponding ordering codes. | BF Bottom Feed | HW3 3 Ft. power feed |
| | D Dome | | | | EF End Feed | HW10 10 Ft. power feed |
| | SFL Side Feed Left | | | | HW16 16 Ft. power feed | |
| | SFR Side Feed Right | | | | HW32 32 Ft. power feed | |
| | | | | | HW50 50 Ft. power feed | |

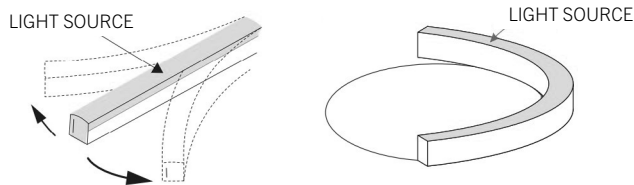
LNT-45 RGB

4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

DIMENSIONS



HORIZONTAL BEND



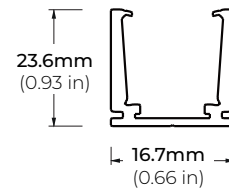
* LED strip only bends along horizontal axis. Bending the LED strip vertically (perpendicular to the light surface) risks damage to the LED strip. Do **NOT** bend more than the indicated bend radius (shown above). Doing so will damage the LED strip.

COMPATIBLE ACCESSORIES

SELF LOCKING ALUMINUM PROFILE

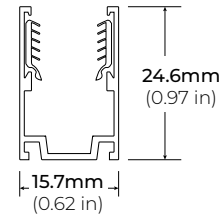
LNT45-AC2
2" PROFILE

LNT45-AC39
39" PROFILE



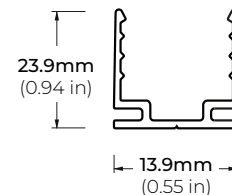
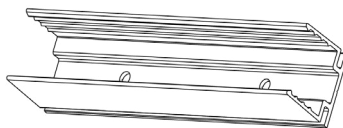
FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX
39" CHANNEL

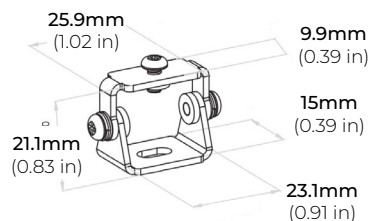


PLASTIC PROFILE

LNT45-PC39
39" PROFILE



LNT45-BKT-ADJ
ADJUSTABLE BRACKET



LNT-45 RGB

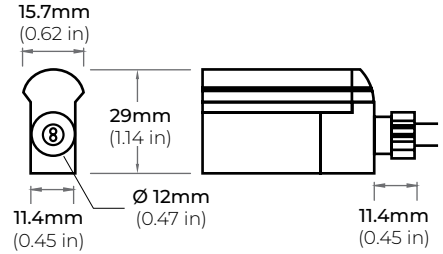
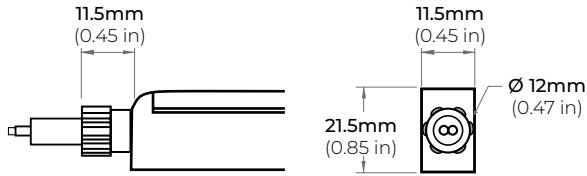
4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

POWER FEED

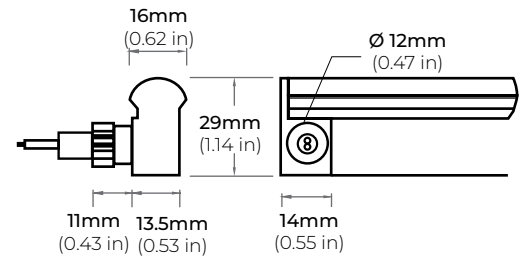
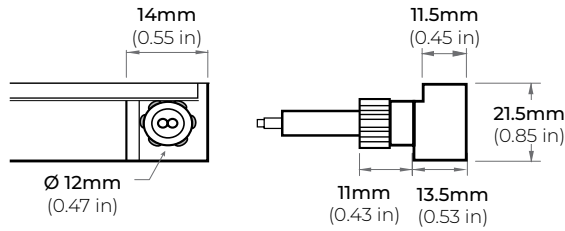
FLAT

DOME

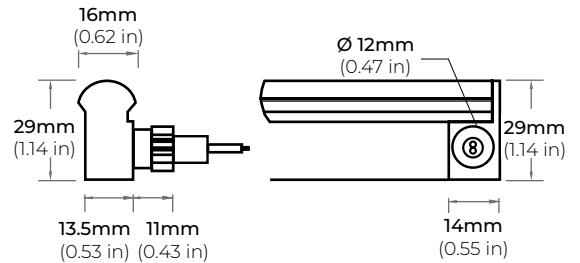
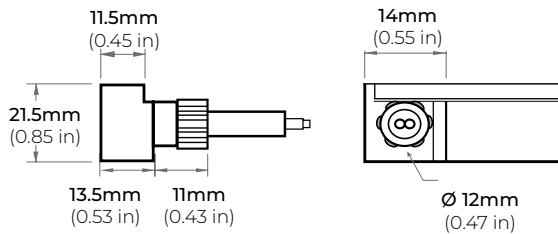
EF
END FEED



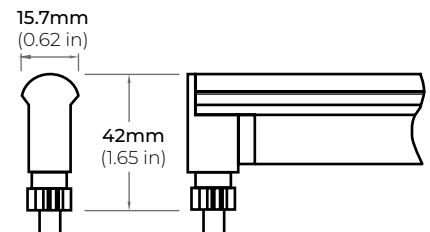
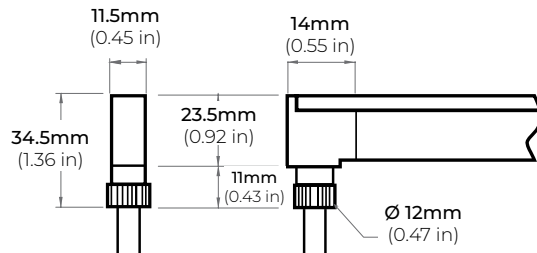
SFL
SIDE FEED LEFT



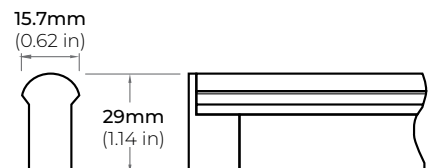
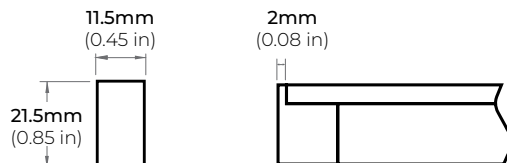
SFR
SIDE FEED RIGHT



BF
BOTTOM FEED



EC
END CAP



LNT-45 RGB

4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

CUTTING LENGTH CODES

LNT-45 RGB Series is cuttable every 3.94" (10CM). 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: 60.2" Total Length = Order Code 15 (59.1")+(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 | 10 | 3.94 |
| 2 | 20 | 7.88 |
| 3 | 30 | 11.82 |
| 4 | 40 | 15.76 |
| 5 | 50 | 19.7 |
| 6 | 60 | 23.64 |
| 7 | 70 | 27.58 |
| 8 | 80 | 31.52 |
| 9 | 90 | 35.46 |
| 10 | 100 | 39.4 |
| 11 | 110 | 43.34 |
| 12 | 120 | 47.28 |
| 13 | 130 | 51.22 |
| 14 | 140 | 55.16 |
| 15 | 150 | 59.1 |
| 16 | 160 | 63.04 |
| 17 | 170 | 66.98 |
| 18 | 180 | 70.92 |
| 19 | 190 | 74.86 |
| 20 | 200 | 78.8 |
| 21 | 210 | 82.74 |
| 22 | 220 | 86.68 |
| 23 | 230 | 90.62 |
| 24 | 240 | 94.56 |
| 25 | 250 | 98.5 |
| 26 | 260 | 102.44 |
| 27 | 270 | 106.38 |
| 28 | 280 | 110.32 |
| 29 | 290 | 114.26 |
| 30 | 300 | 118.2 |
| 31 | 310 | 122.14 |
| 32 | 320 | 126.08 |
| 33 | 330 | 130.02 |
| 34 | 340 | 133.96 |
| 35 | 350 | 137.9 |
| 36 | 360 | 141.84 |
| 37 | 370 | 145.78 |
| 38 | 380 | 149.72 |
| 39 | 390 | 153.66 |
| 40 | 400 | 157.6 |

| CODE | LENGTH (CM) | LENGTH (IN) |
|------|-------------|-------------|
| 41 | 410 | 161.54 |
| 42 | 420 | 165.48 |
| 43 | 430 | 169.42 |
| 44 | 440 | 173.36 |
| 45 | 450 | 177.3 |
| 46 | 460 | 181.24 |
| 47 | 470 | 185.18 |
| 48 | 480 | 189.12 |
| 49 | 490 | 193.06 |
| 50 | 500 | 197 |
| 51 | 510 | 200.94 |
| 52 | 520 | 204.88 |
| 53 | 530 | 208.82 |
| 54 | 540 | 212.76 |
| 55 | 550 | 216.7 |
| 56 | 560 | 220.64 |
| 57 | 570 | 224.58 |
| 58 | 580 | 228.52 |
| 59 | 590 | 232.46 |
| 60 | 600 | 236.4 |
| 61 | 610 | 240.34 |
| 62 | 620 | 244.28 |
| 63 | 630 | 248.22 |
| 64 | 640 | 252.16 |
| 65 | 650 | 256.1 |
| 66 | 660 | 260.04 |
| 67 | 670 | 263.98 |
| 68 | 680 | 267.92 |
| 69 | 690 | 271.86 |
| 70 | 700 | 275.8 |
| 71 | 710 | 279.74 |
| 72 | 720 | 283.68 |
| 73 | 730 | 287.62 |
| 74 | 740 | 291.56 |
| 75 | 750 | 295.5 |
| 76 | 760 | 299.44 |
| 77 | 770 | 303.38 |
| 78 | 780 | 307.32 |
| 79 | 790 | 311.26 |
| 80 | 800 | 315.2 |

| CODE | LENGTH (CM) | LENGTH (IN) |
|------|-------------|-------------|
| 81 | 810 | 319.14 |
| 82 | 820 | 323.08 |
| 83 | 830 | 327.02 |
| 84 | 840 | 330.96 |
| 85 | 850 | 334.9 |
| 86 | 860 | 338.84 |
| 87 | 870 | 342.78 |
| 88 | 880 | 346.72 |
| 89 | 890 | 350.66 |
| 90 | 900 | 354.6 |
| 91 | 910 | 358.54 |
| 92 | 920 | 362.48 |
| 93 | 930 | 366.42 |
| 94 | 940 | 370.36 |
| 95 | 950 | 374.3 |
| 96 | 960 | 378.24 |
| 97 | 970 | 382.18 |
| 98 | 980 | 386.12 |
| 99 | 990 | 390.06 |
| 100 | 1000 | 394 |

LNT-45 RGB

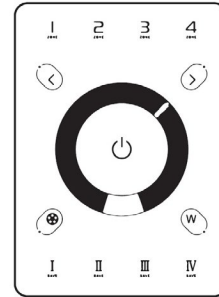
4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

DMX CONTROLLERS

RGB CT600

MULTI-FUNCTION RGBW WALL CONTROLLER

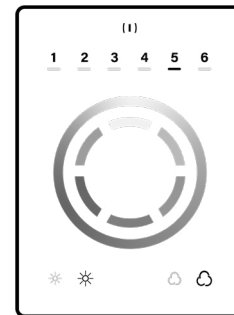
| | |
|---------------|---------------------------|
| INPUT VOLTAGE | 5V DC, 1A |
| OUTPUT SIGNAL | RF 2.4GHZ + DMX512 |
| CONTROL | 4 ZONES |
| COLOR OPTIONS | Black/ White |
| WORKING TEMP | -20°C ~ 40°C |
| DIMENSIONS | LxWxH (5.19"x7.08"x1.38") |



RGB-SCW4

WiFi DMX WALL CONTROLLER

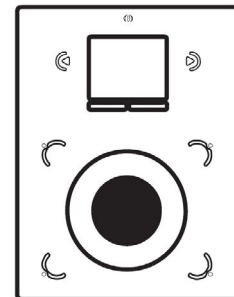
| | |
|-----------------|--|
| INPUT VOLTAGE | 5 - 10V DC, 06A |
| OUTPUT SIGNAL | DMX512 (x2) |
| PROGRAMMABILITY | PC/ MAC |
| COLOR OPTIONS | Black/ White |
| CONNECTIONS | USB/ 8dry contact ports/ Open drain output (for relay) |
| MEMORY | Built-In Flash |
| WORKING TEMP | -10°C ~ 45°C |
| DIMENSIONS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



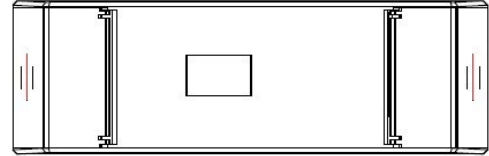
LNT-45 RGB

4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

DMX DECODERS

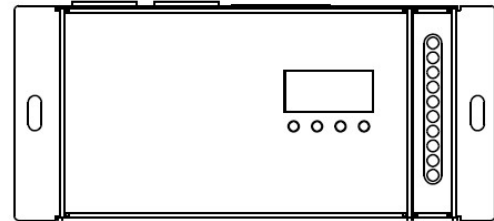
RGB-DMX-4C-RJ45 4-CHANNEL DMX DECODER

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 RGB

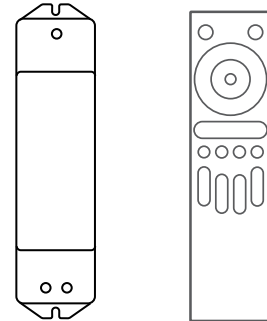
4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

NON-DMX CONTROLLERS

RGB-CT550

RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM

| | |
|-----------------|---------------------------|
| REMOTE DISTANCE | 100 Ft. (Line of Sight) |
| FREQUENCY | 2.4 GHz |
| DIMENSIONS | LxWxH (6.38"x1.65"x0.59") |
| WEIGHT | 0.44lbs. |



* RGB-CT500-RX
(Sold Separately)

RGB-CT550-RX

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") |

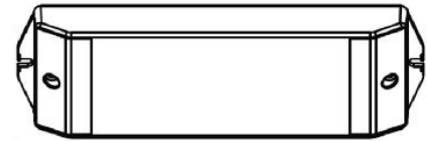
* RGB-CT500-RX (Sold Separately)

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)

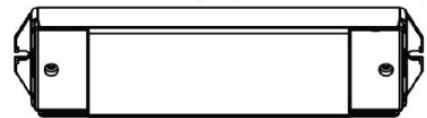


RGB-CT705ZR

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 RGB

4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

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 RGB

4.4W IP67/68 FLEXIBLE COLOR-CHANGING LED STRIP

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" |

