LNT-45 RGBW

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 11.10.26

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	4.6W per Ft.
LUMEN OUTPUT	98 Lm/ Ft. (Flat) | 140 Lm/ Ft. (Dome)
CRI	88+
COLOR TEMPERATURE	RGB+27K/ RGB+40K
DIMMING/ CONTROL	Through RGBW Controller
MAXIMUM RUN LENGTH	26 Ft.
MINIMUM RUN LENGTH	7.88 in.
CUT INTERVALS	Every 100mm (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
- Waterproof, Submersible under water
- Bottom, Side and End Feed options
- Continuous run length up to 26 Ft.
- UL Listed (US and Canada)

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

INDOOR OUTDOOR 88+ CRI RGBW DIMMABLE IP67 IP68 50,000 HRS c UL us LISTED 5 YEAR WARRANTY

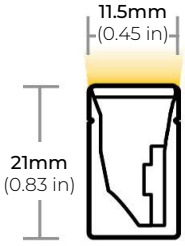
MODEL	LENS	COLOR TEMP	LENGTH	VOLT	INPUT	FEED LENGTH	OUTPUT	FEED LENGTH*
LNT-45	**F** Flat **D** Dome	**RGBW27K** RGB+2700K **RGBW40K** RGB+4000K	Please refer to page 5 for exact cutting lengths.	**24** 24V DC	**BF** Bottom Feed **SFL** Side Feed Left **SFR** Side Feed Right **EF** End Feed	**HW3** 3 Ft. Power Feed **HW10** 10 Ft. Power Feed **HW16** 16 Ft. Power Feed **HW32** 32 Ft. Power Feed **HW50** 50 Ft. Power Feed	**BF** Bottom Feed **SFL** Side Feed Left **SFR** Side Feed Right **EF** End Feed **EC** End Cap	**HW3** 3 Ft. Power Feed **HW10** 10 Ft. Power Feed **HW16** 16 Ft. Power Feed **HW32** 32 Ft. Power Feed **HW50** 50 Ft. Power Feed ** Not compatible with End Cap (EC)*

LNT-45 RGBW

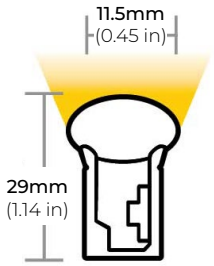
4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 11.10.26

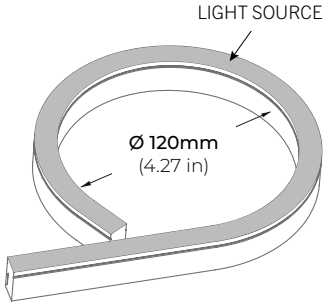
DIMENSIONS



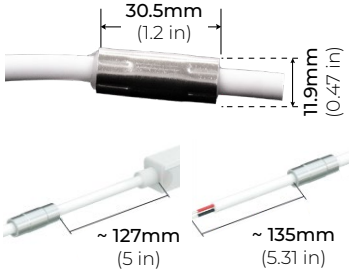
FLAT LENS



DOME LENS

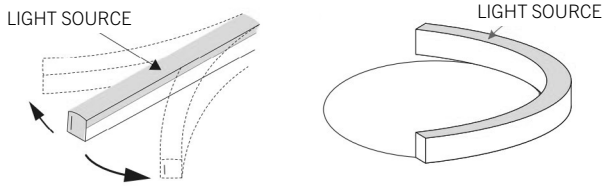


BEND DIAMETER



POWER FEED CHOKER

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.*

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.

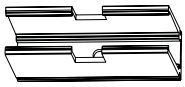
**Warranty is void if removed.*

COMPATIBLE ACCESSORIES

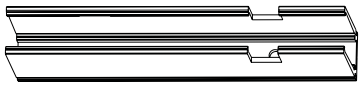
SELF LOCKING ALUMINUM PROFILE

LNT45-AC2
1.38" PROFILE

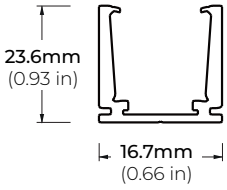
LNT45-AC39
39" PROFILE



LNT45-AC2

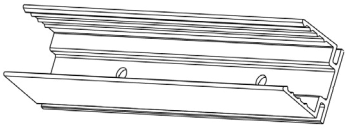


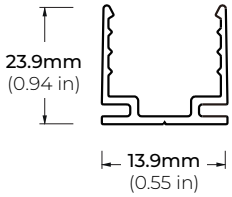
LNT45-AC39



PLASTIC PROFILE

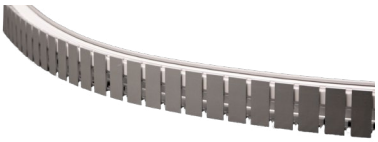
LNT45-PC39
39" PROFILE

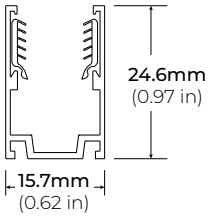




FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX
39" CHANNEL





LNT-45 RGBW

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

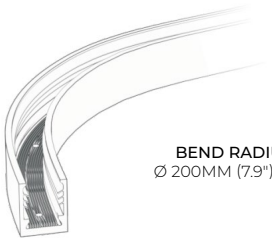
UPDATED: 11.10.26

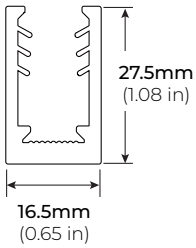
COMPATIBLE ACCESSORIES

FLEXIBLE PROFILE

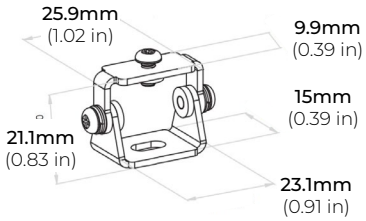
LNT45-SPX39-WH
39” PROFILE (WHITE)

LNT45-SPX39-BK
39” PROFILE (BLACK)





LNT45-BKT-ADJ
ADJUSTABLE BRACKET

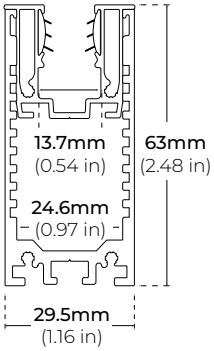


RACEWAY PROFILE

LNT45-SMR-AC39-SI
39” PROFILE (SILVER)

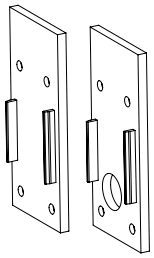
LNT45-SMR-AC39-WH
39” PROFILE (WHITE)
*Made to Order.

LNT45-SMR-AC39-BK
39” PROFILE (BLACK)
*Made to Order.



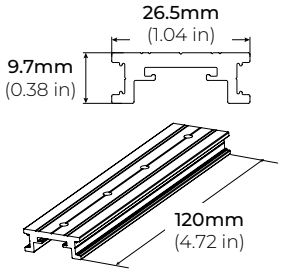
LNT45-SMR-AC39

LNT45-SMR-EC
END CAPS
* Set of 2 (1 with Hole and 1 without Hole)
* Sold Separately



LNT45-SMR-EC

LNT45-SMR-SC
JOINER BRACKET
* Sold Separately



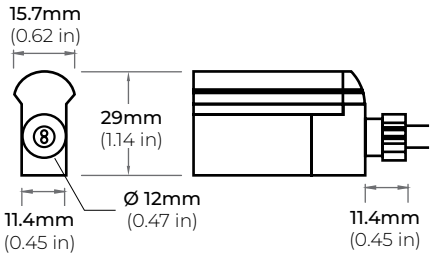
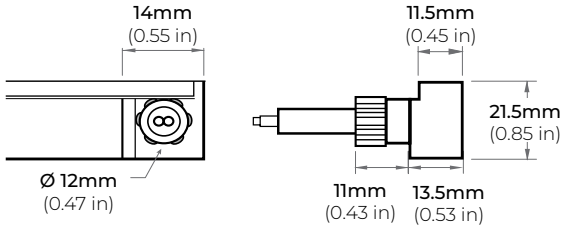
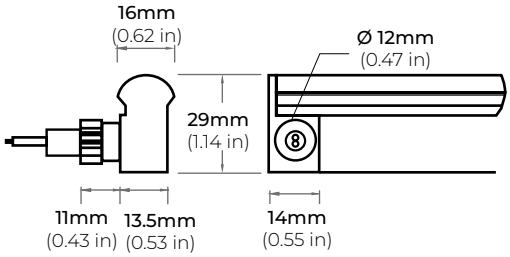
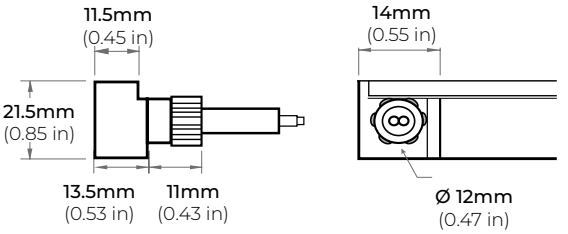
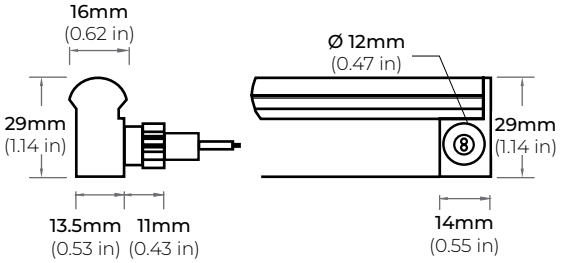
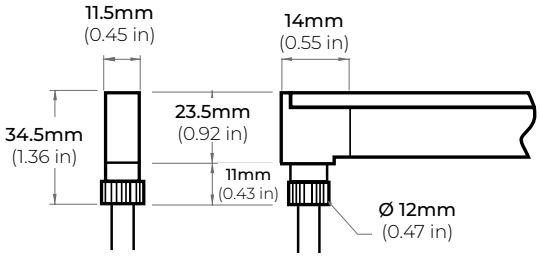
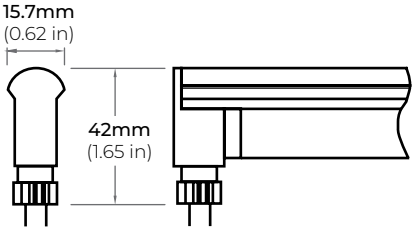
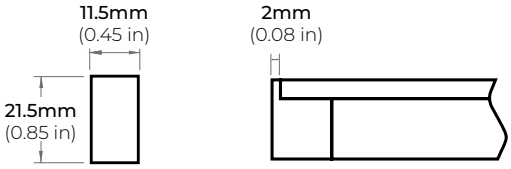
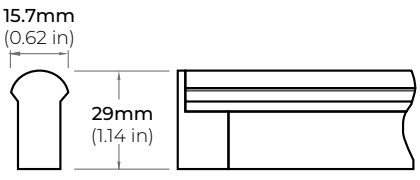
LNT45-SMR-JB

LNT-45 RGBW

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 11.10.26

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

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 11.10.26

CUTTING LENGTHS

*LNT-45 RGBW 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 = LNT Neon Series Length + End Feed option Length
***Example:** 60.2" Total Length = LNT Neon Series (59.1") + (1.1") End Feed*

** Minimum Run Length is 7.88".*

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

CUTTING LENGTH INCREMENT TABLE

LENGTH (IN)	LENGTH (IN)
7.88	161.54
11.82	165.48
15.76	169.42
19.7	173.36
23.64	177.3
27.58	181.24
31.52	185.18
35.46	189.12
39.4	193.06
43.34	197
47.28	200.94
51.22	204.88
55.16	208.82
59.1	212.76
63.04	216.7
66.98	220.64
70.92	224.58
74.86	228.52
78.8	232.46
82.74	236.4
86.68	240.34
90.62	244.28
94.56	248.22
98.5	252.16
102.44	256.1
106.38	260.04
110.32	263.98
114.26	267.92
118.2	271.86
122.14	275.8
126.08	279.74
130.02	283.68
133.96	287.62
137.9	291.56
141.84	295.5
145.78	299.44
149.72	303.38
153.66	307.32
157.6	311.26

LNT-45 RGBW

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

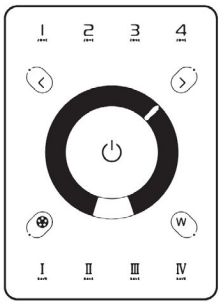
UPDATED: 11.10.26

DMX CONTROLLERS

All DMX Controllers require a DMX Decoder and Non-Dimming Driver.
Please refer for page 7 and 9 for compatible options.

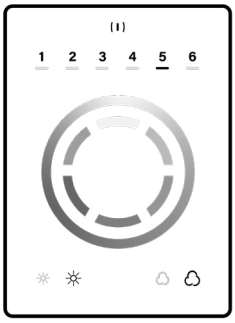
RGB CT600
MULTI-FUNCTION RGBW WALL CONTROLLER

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”)



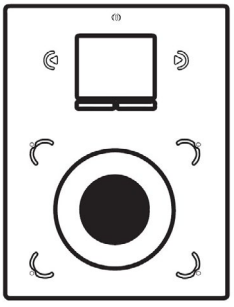
RGB-SCW4
WiFi DMX WALL CONTROLLER

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

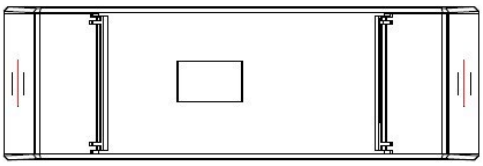
4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 11.10.26

DMX DECODERS

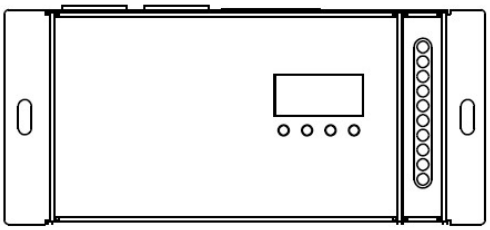
All DMX Decoders require a DMX Controller and Non-Dimming Driver.
Please refer for page 6 and 9 for compatible options.

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

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

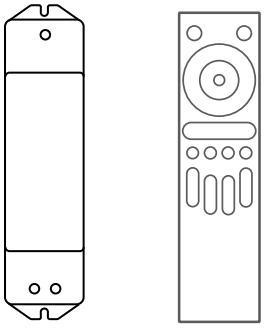
UPDATED: 11.10.26

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-CT500-RX
(Sold Separately)

RGB-CT550-RX
RGBW WIRELESS RECEIVER / CONTROLLER SYSTEM (REMOTE)

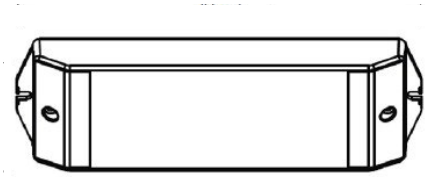
REMOTE DISTANCE	100 Ft. (Line of Sight)
FREQUENCY	2.4 GHz
DIMENSIONS	LxWxH (6.38"x1.65"x0.59")
WEIGHT	0.44lbs.

** 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")

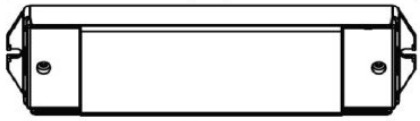
** Paired with RGB-CT705ZR (Sold Separately)*



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

4.6W IP67/68 FLEXIBLE COLOR-CHANGING + WHITE LED STRIP

UPDATED: 11.10.26

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)*



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"

