

# LNE-50 RGBW

## 5.3W COLOR CHANGING+ WHITE FLEXIBLE LED NEON SERIES

Project \_\_\_\_\_  
Location \_\_\_\_\_  
Quote/ Ref # \_\_\_\_\_

**LNE-50 RGBW** Series is a high performance flexible and affordable LED fixture designed as a neon replacement useful in a wide variety of indoor or outdoor applications where a smooth surface and continuous line of light is desired. It is a flexible strip light that can bend around contours or tight curves horizontally or vertically without being damaged.



### SPECIFICATIONS

INPUT VOLTAGE	24V DC Constant Voltage
POWER CONSUMPTION	5.3W per Ft.
LUMEN OUTPUT	145 Lm/ Ft. (TB)   169 Lm/ Ft. (SB)
CRI	90+
COLOR TEMPERATURE	RGB+27K/ RGB+30K/ RGB+40K
DIMMING/ CONTROL	Through DMX Controller
MAXIMUM RUN LENGTH	16 Ft.
CUTTABLE	Every 3.2" (83mm)
STORAGE TEMPERATURE	-40°F ~176°F (-40°C ~ 80°C)
OPERATING TEMPERATURE	-4°F ~113°F (-20°C ~ 45°C)
BEAM ANGLE	120°
HUMIDITY	0-95% Non Condensing
IP RATING	IP54 (damp) or IP67 (wet)
CERTIFICATIONS	UL Listed
LUMEN MAINTENANCE	50,000 Hrs.

### FEATURES

- High color consistency and smooth illumination
- RGB color changing + white
- Continuous run length up to 16 Ft.
- Cuttable every 3.2" (83mm)
- Bottom, side and end feed options
- UL Listed (US and Canada)



MODEL	SURFACE	COLOR TEMP	VOLT	LENGTH	IP RATING	POWER FEED	FEED LENGTH
LNE50	<b>TP</b> Top Bend	<b>RGBW27K</b> RGB+2700K	<b>24</b> 24V DC	'XX per Ft.	<b>IP54*</b> Damp	<b>BF</b> Bottom Feed	<b>HW3</b> 3 Ft. Power Feed
	<b>SB</b> Side Bend	<b>RGBW30K</b> RGB+3000K				<b>SFL</b> Side Feed Left	<b>HW10</b> 10 Ft. Power Feed
	<b>RGBW40K</b> RGB+4000K	<b>SFR</b> Side Feed Right				<b>HW15</b> 15 Ft. Power Feed	
						<b>EF</b> End Feed	<b>HW30</b> 30 Ft. Power Feed
							<b>HW50</b> 50 Ft. Power Feed

\*1 = Custom length per FT. (cuttable every 3.2")

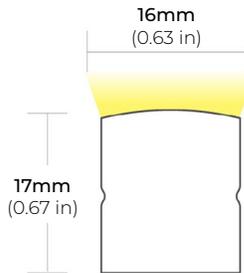
\*Please see optional accessories on page 3

# LNE-50 RGBW

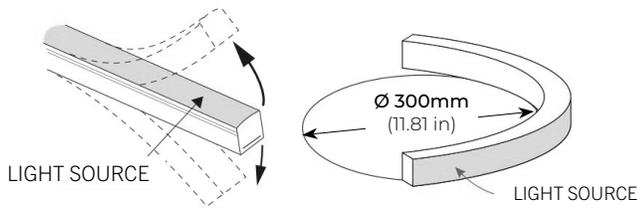
5.3W COLOR CHANGING+ WHITE FLEXIBLE LED NEON SERIES

UPDATED: 02.26.26

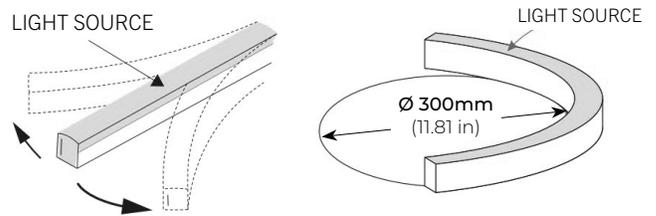
## DIMENSIONS



LNE-50-TP (TOP BEND)



LNE-50-SB (SIDE BEND)



## COMPATIBLE ACCESSORIES

### SELF LOCKING ALUMINUM PROFILE

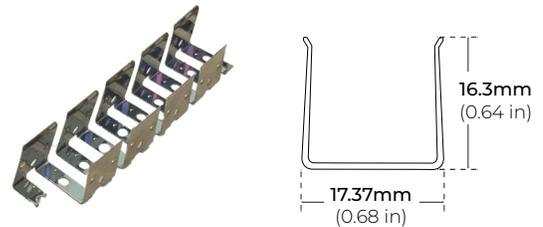
LNE-AC2  
2" PROFILE

LNE-AC39  
39" PROFILE



### FLEXIBLE DUAL BEND ALUMINUM CHANNEL

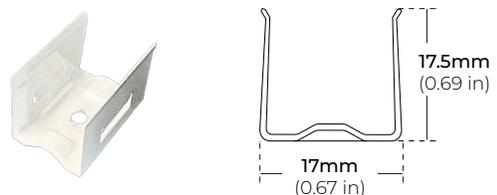
LNE50-AFX  
39" CHANNEL



### MOUNTING ACCESSORIES

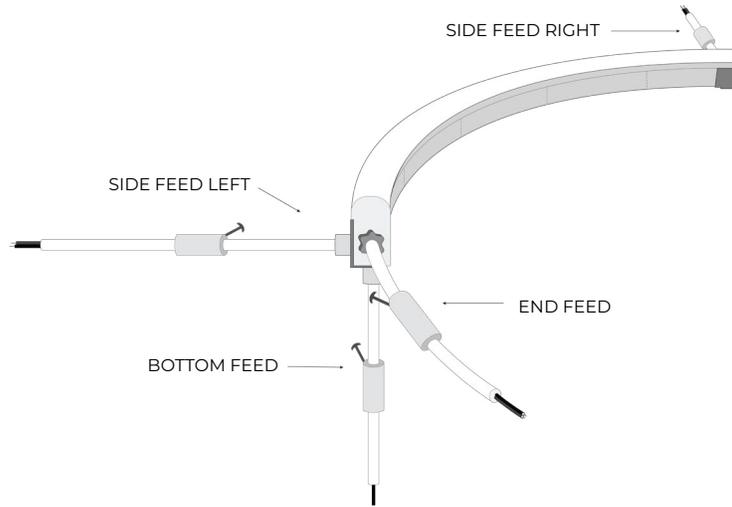
LNE50-CL  
1" MOUNTING CLIP

\* Set of 2



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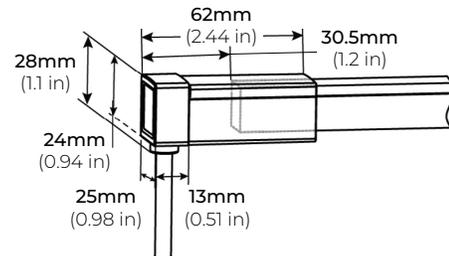
## 5.3W COLOR CHANGING+ WHITE FLEXIBLE LED NEON SERIES



### POWER FEED (IP54)

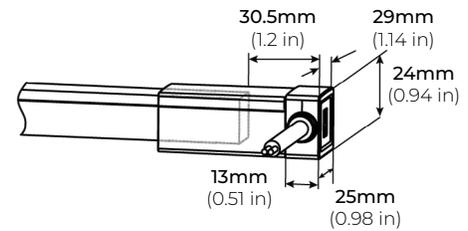
**BF**  
BOTTOM FEED

LNE-IP54-BF-HW3 3 FT. BOTTOM FEED (IP54)



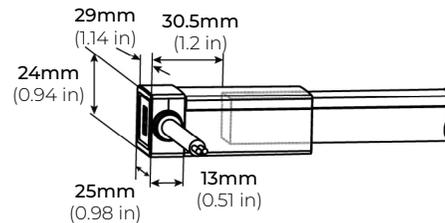
**SFL**  
SIDE LEFT FEED

LNE-IP54-SFL-HW3 3 FT. SIDE FEED LEFT (IP54)



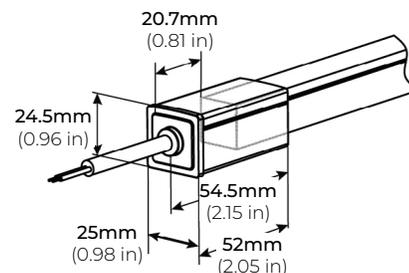
**SFR**  
SIDE RIGHT FEED

LNE-IP54-SFR-HW3 3 FT. SIDE FEED RIGHT (IP54)



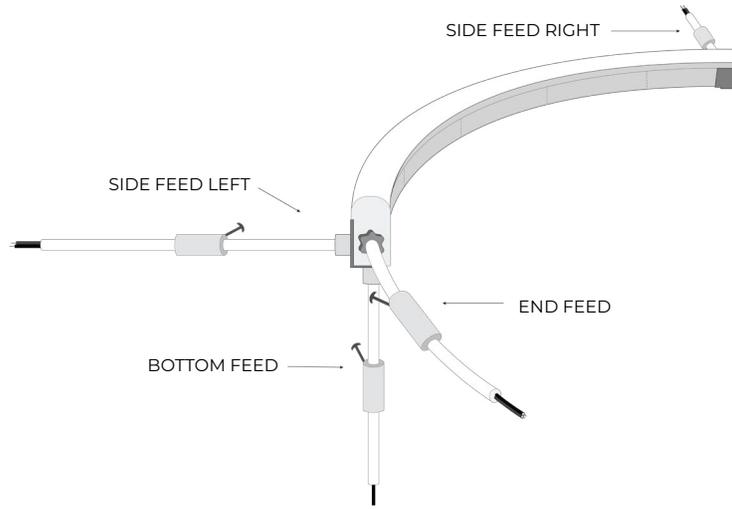
**EF**  
END FEED

LNE-IP54-EF-HW3 3 FT. END FEED (IP54)  
LNE-IP54-EF-HW10 10 FT. END FEED (IP54)



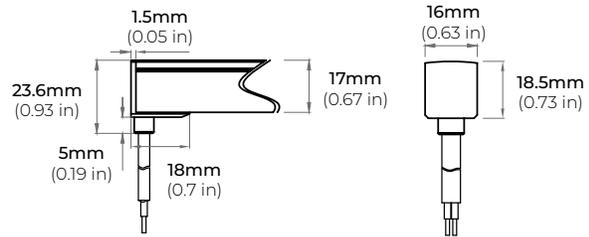
# LNE-50 RGBW

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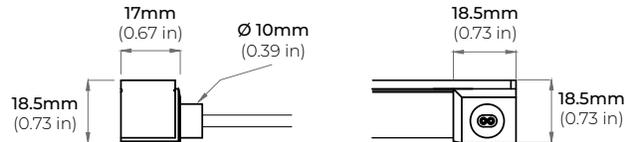


### POWER FEED (IP67)

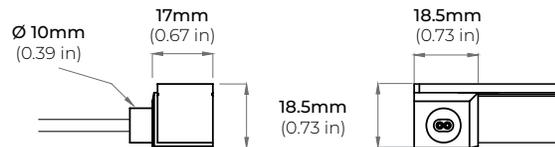
**BF**  
BOTTOM FEED



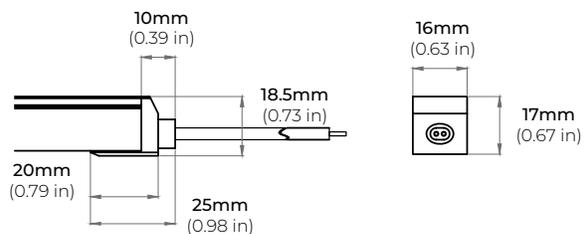
**SFL**  
SIDE LEFT FEED



**SFR**  
SIDE RIGHT FEED



**EF**  
END FEED



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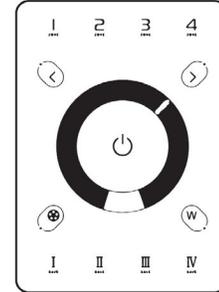
## 5.3W COLOR CHANGING+ WHITE FLEXIBLE LED NEON SERIES

### DMX CONTROLLERS

All DMX Controllers require a DMX Decoder and Non-Dimming Driver.  
Please refer for page 6 and 17 for compatible options.

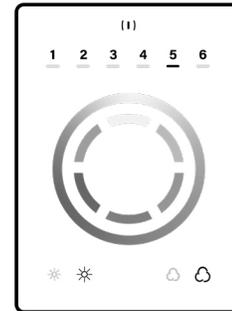
#### RGB CT600 MULTI-FUNCTION RGBW WALL CONTROLLER

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")



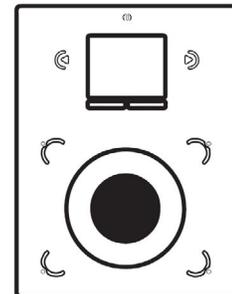
#### RGB-SCW4 WiFi DMX WALL CONTROLLER

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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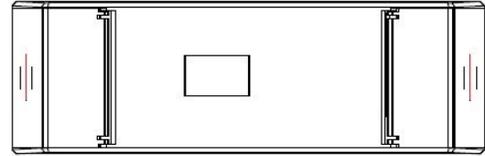
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### DMX DECODERS

All DMX Decoders require a DMX Controller and Non-Dimming Driver.  
Please refer for page 5 and 7 for compatible options.

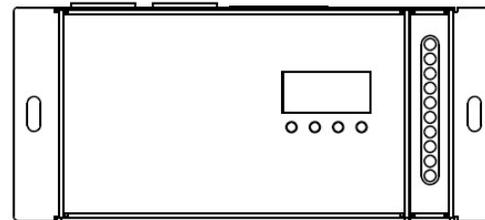
#### RGB-DMX-4C-RJ45 4-CHANNEL DMX DECODER

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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UPDATED: 02.26.26

## 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"

