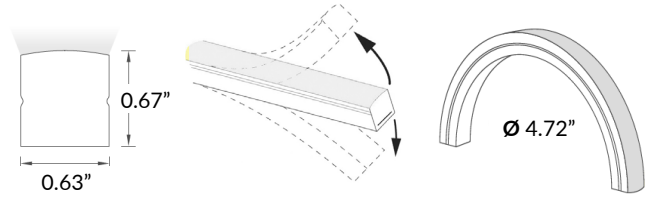
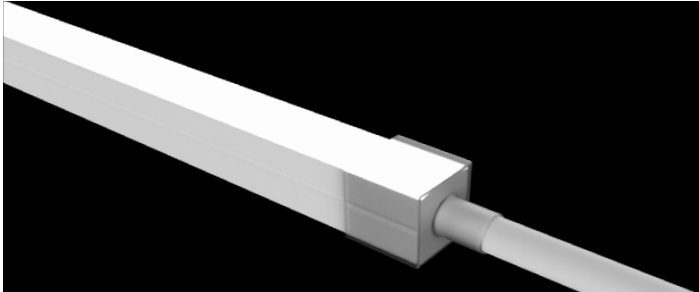


# STATIC WHITE LED NEON (FIELD CUTTABLE) - 24V

Square Profile / Top Bending / Silicone (ST63) / IP20



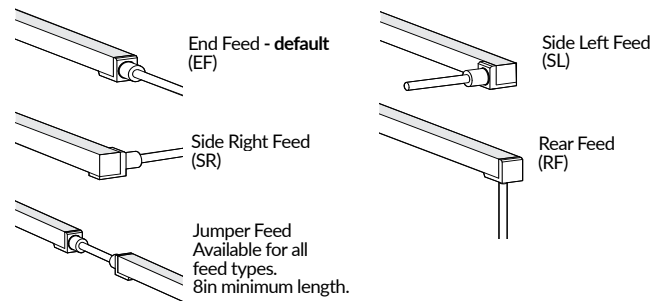
## TECHNICAL INFORMATION

NOTE: All data has +/- 5% tolerance.

WATTAGE	5.3W per foot	
IP RATING	IP20 - dry locations	
IK RATING	IK08	
BEAM ANGLE	113°	
HOUSING MATERIAL	Silicone, UV resistant per ISO 4892-3	
OUTPUT	CRI 80+	CRI 90+
	2700K - 228 lm/ft	2700K - 223 lm/ft
	3000K - 253 lm/ft	3000K - 228 lm/ft
	3500K - 259 lm/ft	3500K - 233 lm/ft
	4200K - 263 lm/ft	4200K - 237 lm/ft
	5200K - 257 lm/ft	5200K - 232 lm/ft
INPUT VOLTAGE	24VDC	
SEGMENT LENGTH	Every 2.46", field-cuttable	
MAXIMUM RUN	32 feet	
DIMENSIONS	0.63" W x 0.67" H	
MINIMUM BEND	4.72" diameter	
INSTALLATION TEMP.	32°F to 140°F (do not install when temperatures are below freezing)	
OPERATING TEMP.	-40°F to 140°F	
WARRANTY	3 year limited	
POWER SUPPLY	Compatible with all 24VDC power supplies - see page 4	

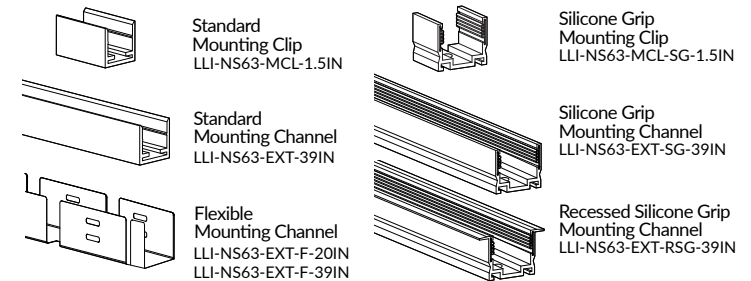
### FEED TYPES

Product has 48in hard wire end feed unless otherwise specified. Other options subject to availability - contact us. Power Feed Caps and End Caps illuminate continuously to the end.



### MOUNTING

See page 3 for details. 2 clips recommended per 12in of LED Neon. Sold separately.



## ORDERING GUIDE

SERIES	IP RATING	TYPE	COLOR	VOLTAGE	CRI	LENGTH
LLI-NS.3W	20	ST63	27K 30K 35K 42K 52K	24V	80 90	Enter total length in inches. Nominal length only. Actual lengths vary by cut point. Refer to page 2.

Example part number: LLI-NS.3W-20-ST63-30K-24V-80-96in  
Default 48in end feed power wire (PWR48EF) included. Use OPTIONAL section to specify other power feed(s).

OPTIONAL CODE → POWER FEED		
LEAD TYPE	LEAD LENGTH	FEED TYPE
Default [blank] - 48" hard wire end feed (PWR48EF)		
PWR Hard Wire (no connector)	Enter desired wire length in inches	EF End Feed RF Rear Feed SL Side Left SR Side Right

For runs that require power feeds on both ends, repeat optional power feed code.

# STATIC WHITE LED NEON (FIELD CUTTABLE) - 24V

Square Profile / Top Bending / Silicone (ST63) / IP20

## OVERALL LENGTH / SEGMENT GUIDE

Dimension tolerance of  $\pm 1/8"$ .

Measurements below do not include area required for routing power wire. Add 1" distance to layout to account for routing end feed power wire.

This product expands and contracts in varying ambient temperatures. If butting Neon end-to-end, add 1/2" to 1" gap between sections for expansion.

7.9"	10.3"	12.8"	15.2"	17.7"	20.2"	22.6"	25.1"	27.5"	30.0"	32.5"	34.9"
37.4"	39.8"	42.3"	44.8"	47.2"	49.7"	52.1"	54.6"	57.1"	59.5"	62.0"	64.4"
66.9"	69.4"	71.8"	74.3"	76.8"	79.2"	81.7"	84.1"	86.6"	89.1"	91.5"	94.0"
96.4"	98.9"	101.4"	103.8"	106.3"	108.7"	111.2"	113.7"	116.1"	118.6"	121.0"	123.5"
126.0"	128.4"	130.9"	133.3"	135.8"	138.3"	140.7"	143.2"	145.6"	148.1"	150.6"	153.0"
155.5"	158.0"	160.4"	162.9"	165.3"	167.8"	170.3"	172.7"	175.2"	177.6"	180.1"	182.6"
185.0"	187.5"	189.9"	192.4"	194.9"	197.3"	199.8"	202.2"	204.7"	207.2"	209.6"	212.1"
214.5"	217.0"	219.5"	221.9"	224.4"	226.9"	229.3"	231.8"	234.2"	236.7"	239.2"	241.6"
244.1"	246.5"	249.0"	251.5"	253.9"	256.4"	258.8"	261.3"	263.8"	266.2"	268.7"	271.1"
273.6"	276.1"	278.5"	281.0"	283.4"	285.9"	288.4"	290.8"	293.3"	295.7"	298.2"	300.7"
303.1"	305.6"	308.1"	310.5"	313.0"	315.4"	317.9"	320.4"	322.8"	325.3"	327.7"	330.2"
332.7"	335.1"	337.6"	340.0"	342.5"	345.0"	347.4"	349.9"	352.3"	354.8"	357.3"	359.7"
362.2"	364.6"	367.1"	369.6"	372.0"	374.5"	376.9"	379.4"	381.9"	384.3"	386.8"	389.3"
391.7"											

## ENDCAP & SEALANT (REQUIRED, SOLD SEPARATELY)



Closing Endcap  
0.7" L x 0.75" W x 0.7" H



Silicone glue  
45g/pc

### ENDCAP & SEALANT KIT

Glue-on endcap and silicone tube for sealing LED Neon

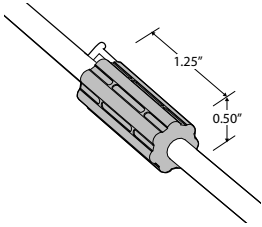
**LLI-NS63-FC-EC-KIT**

NOTE: Endcap dimensions are slightly larger than the LED Neon profile dimensions and may protrude outside of mounting channel/clips.

# STATIC WHITE LED NEON (FIELD CUTTABLE) - 24V

Square Profile / Top Bending / Silicone (ST63) / IP20

## ANTI-WICKING FERRULE

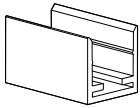


Standard on all LED Neon power feeds. Located 4-6" from the connector. Protects against water ingress and circuit board corrosion.

## MOUNTING CHANNELS AND CLIPS (SOLD SEPARATELY)

**NOTE:** Leave a 0.5" to 1" gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

### ALUMINUM MOUNTING CHANNEL - SILVER ANODIZED

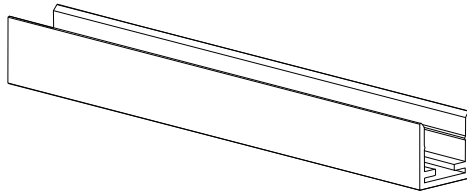


#### Mounting Clip

Recommended 2 clips every 12"

Part Number: LLI-NS63-MCL-1.5IN

Dimensions: 1.50" L x 0.75" H x 0.84" W



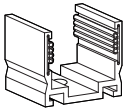
#### 39" Mounting Channel

Part Number: LLI-NS63-EXT-39IN

Dimensions: 39" L x 0.75" H x 0.84" W

### ALUMINUM MOUNTING CHANNEL WITH SILICONE GRIP - SILVER ANODIZED

Recommended for ceilings or downward mounted Neon.

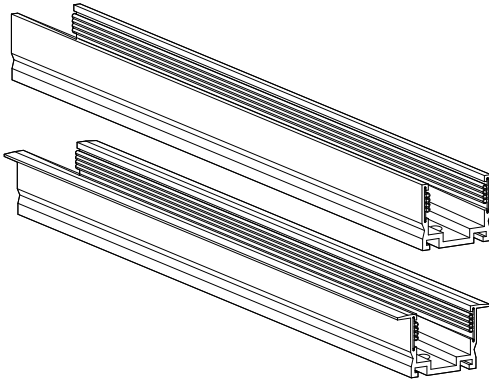


#### Silicone Grip Mounting Clip

Recommended 2 clips every 12"

Part Number: LLI-NS63-MCL-SG-1.5IN

Dimensions: 1.50" L x 0.82" H x 0.83" W



#### 39" Silicone Grip Mounting Channel

Part Number: LLI-NS63-EXT-SG-39IN

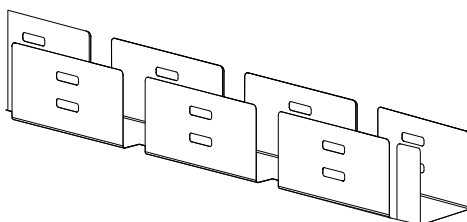
Dimensions: 39" L x 0.82" H x 0.83" W

#### 39" Recessed Silicone Grip Mounting Channel

Part Number: LLI-NS63-EXT-RSG-39IN

Dimensions: 39" L x 0.82" H x 1.20" W

### FLEXIBLE ALUMINUM MOUNTING CHANNEL - SILVER ANODIZED



#### 20" or 39" Flexible Mounting Channel

Part Number: LLI-NS63-EXT-F-20IN

LLI-NS63-EXT-F-39IN

Dimensions: 20" L x 0.71" H x 0.69" W

39" L x 0.71" H x 0.69" W

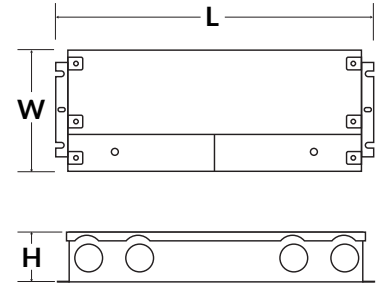
**POWER SUPPLIES** SOLD SEPARATELY

**DIMMABLE ELECTRONIC 0-10V**



Optimal performance dims to 0%.\*

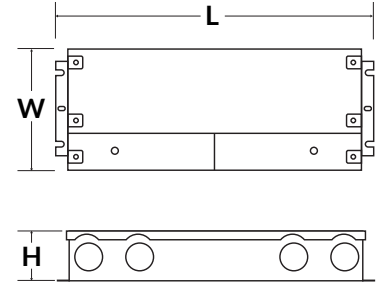
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DE010-030W-24V-KO	30W	120V or 277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.6"
LLI-PS-DE010-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.6"
LLI-PS-DE010-096W-24V-KO	96W	120V or 277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-DE010-192W-24V-CL2-KO	2x96W	120V or 277V	24V	CLASS 2	IP66 WET	10.9"	4.3"	1.9"
LLI-PS-DE010-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
LLI-PS-DE010-288W-24V-CL2-KO	3x96W	120V or 277V	24V	CLASS 2	IP66 WET	11.9"	4.3"	1.9"
LLI-PS-DE010-300W-24V-KO	300W	120V or 277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"



**NON-DIMMABLE ELECTRONIC**



PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5"	3.5"	1.02"
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4"	3.5"	1.2"
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-NDE-192W-24V-CL2-KO	2x96W	100-277V	24V	CLASS 2	IP66 WET	10.9"	4.1"	1.9"
LLI-PS-NDE-200W-24V-KO	200W	100-277V	24V	CLASS 1	IP66 WET	10.3"	4.1"	1.8"
LLI-PS-NDE-288W-24V-CL2-KO	3x96W	100-277V	24V	CLASS 2	IP66 WET	11.9"	4.1"	1.9"
LLI-PS-NDE-300W-24V-KO	300W	100-277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"

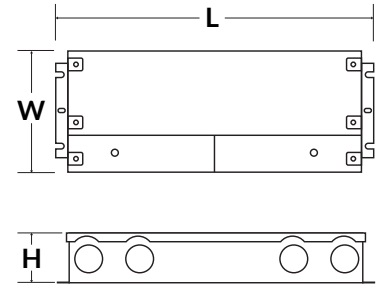


**DIMMABLE ELECTRONIC FLICKER-FREE**



Optimal performance dims to 2-5%.

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-UDEFF-030W-24V-KO	30W	110-277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.0"
LLI-PS-UDEFF-060W-24V-KO	60W	110-277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.0"
LLI-PS-UDEFF-096W-24V-KO	96W	110-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.6"
LLI-PS-UDEFF-192W-24V-CL2-KO	2x96W	110-277V	24V	CLASS 2	IP66 WET	10.9"	4.3"	1.9"
LLI-PS-UDEFF-200W-24V-KO	200W	110-277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
LLI-PS-UDEFF-288W-24V-CL2-KO	3x96W	110-277V	24V	CLASS 2	IP66 WET	11.9"	4.3"	1.9"
LLI-PS-UDEFF-300W-24V-KO	300W	110-277V	24V	CLASS 1	IP66 WET	11.0"	4.3"	1.8"

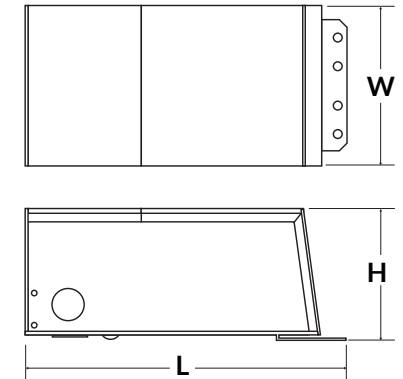


**DIMMABLE MAGNETIC**



Optimal performance dims to 5-10%.\*

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DM-020W-24V-KO	20W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38"	2.11"	1.60"
LLI-PS-DM-040W-24V-KO	40W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38"	2.11"	1.60"
LLI-PS-DM-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13"	3.93"	1.59"
LLI-PS-DM-100W-24V-KO	100W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13"	3.93"	1.59"
LLI-PS-DM-150W-24V-KO	150W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79"	4.15"	3.41"
LLI-PS-DM-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79"	4.15"	3.41"
LLI-PS-DM-300W-24V-KO	300W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79"	4.15"	3.41"
LLI-PS-DM-300W-24V-CL2-KO	6 x 50W	120V or 277V	24V	CLASS 2	NEMA 3R WET	10.29"	5.69"	3.43"
LLI-PS-DM-600W-24V-KO	2 x 300W	120V or 277V	24V	CLASS 1	NEMA 3R WET	10.29"	6.79"	4.68"

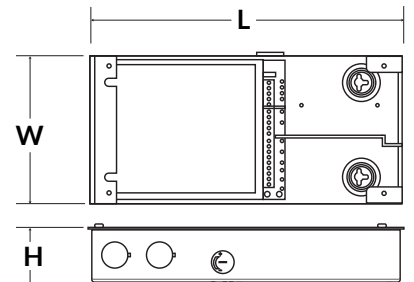


**LUTRON HI-LUME PREMIER 0.1% DIMMABLE ELECTRONIC**



Soft-on, Fade-to-Black, continuous flicker-free dimming from 100% to 0.1.

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
L3D0-96W24V-U	96W	120-277V	24V	CLASS 2	IP20 DRY	10.5"	5.5"	2.0"



\*Performance can be affected by driver loading and dimmer type.