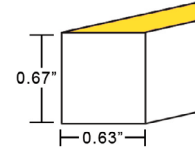
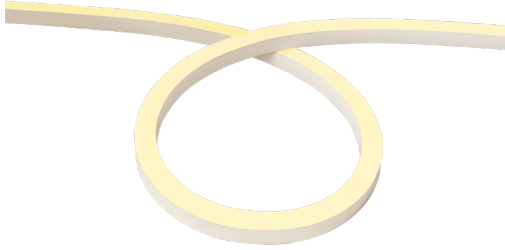


# TUNABLE WHITE LED NEON - 24V

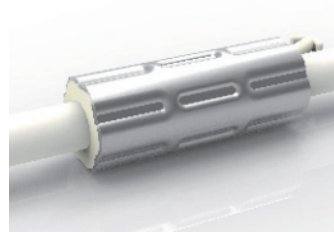
Square Profile / Side Bending / Silicone



## TECHNICAL INFORMATION

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

WATTAGE	3.7W per foot
IP RATING	IP68 - wet locations. Protected against temporary submersion, limited protection against harsh environments.
PROFILE	Square
BEND ORIENTATION	Side Bending
HOUSING MATERIAL	Silicone, UV resistant per ISO 4892-3
OUTPUT	2200K + 5700K (±280K) - 150 lm/ft @ 2200K - 67 lm/ft @ 5700K - 82 lm/ft
INPUT VOLTAGE	24VDC
SEGMENT LENGTH	Every 3.3", not field-cuttable
MAXIMUM RUN	49 feet
DIMENSIONS	0.63" W x 0.67" H (16mm x 17mm)
MINIMUM BEND	12" diameter
INSTALLATION TEMP.	-40° to 140°F
OPERATING TEMP.	-40° to 140°F
WARRANTY	3 year limited
CONTROLS	Receiver/decoder and controller required - see pages 6-10.
POWER SUPPLY	Compatible with all non-dimmable 24VDC power supplies - see page 8

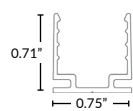


### ANTI-WICKING FERRULE

Standard on all LED Neon power cables. Located 4.5" from the connector. Protects against water ingress and circuit board corrosion.  
H 0.47" x W 1.18"

### MOUNTING OPTIONS (SOLD SEPARATELY)

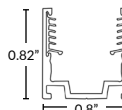
More clips and channel options available (see page 5-7).



#### Mounting Clip

Part Number: LLI-NS-MCL-1.5IN  
1.38" L x 0.71" H x 0.75" W

Recommended: 2 mounting clips for every 12in of Neon.



#### Silicone Grip Mounting Clip

Part Number: LLI-NS-MCL-SG-0.8IN  
0.8" L x 0.82" H x 0.8" W

Recommended: 2 mounting clips for every 12in of Neon.

**NOTE:** Neon sections may be mounted end-to-end on the non-power feed end to create the appearance of longer runs. End-to-end Neon sections must have a 0.5" to 1" gap to allow for expansion/contraction. A dark spot may be visible at <20ft viewing distance.

## PART NUMBER BUILDER / ORDERING GUIDE

Example part number: LLI-N3.7W-68-SSS-2257K-24V-96in

SERIES	IP RATING	TYPE	CCT	VOLTAGE	LENGTH
LLI-N3.7W	68	SSS	2257K	24V	<input type="text"/>

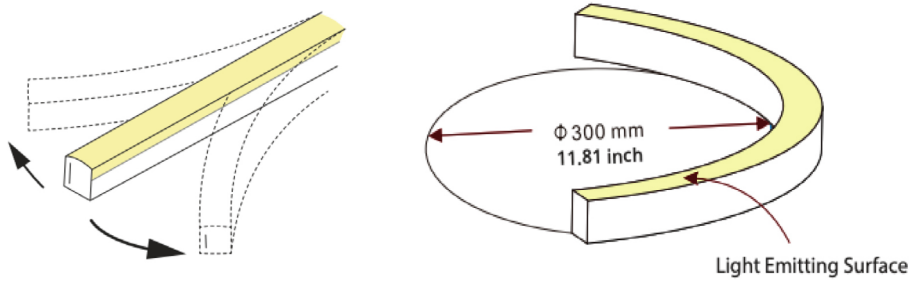
(enter length in inches, up to 588")

# TUNABLE WHITE LED NEON - 24V

Square Profile / Side Bending / Silicone

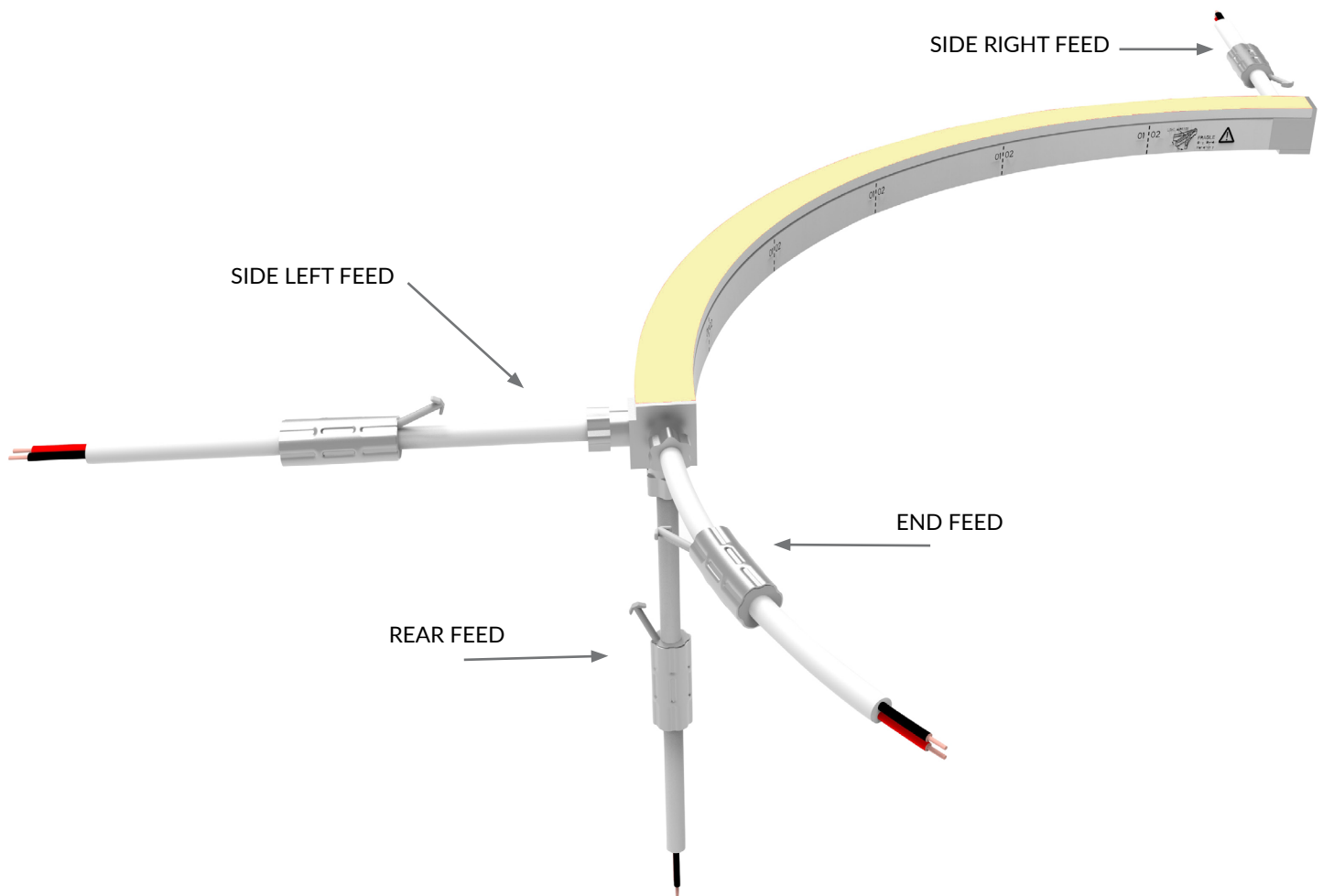
## ORIENTATION & MINIMUM BEND DIAMETER

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## POWER FEED ORIENTATION GUIDE

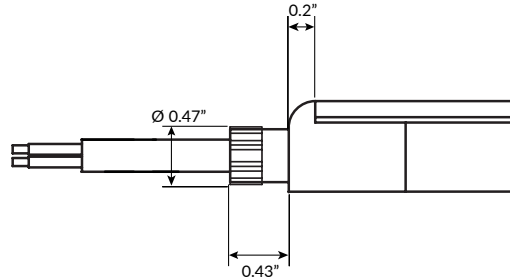
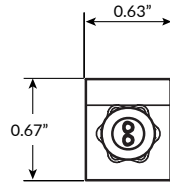
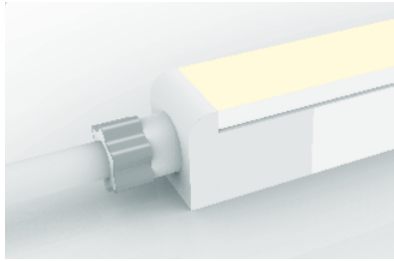
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# TUNABLE WHITE LED NEON - 24V

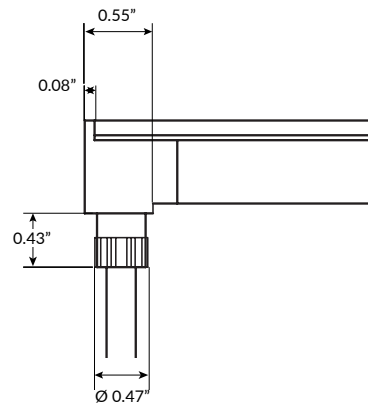
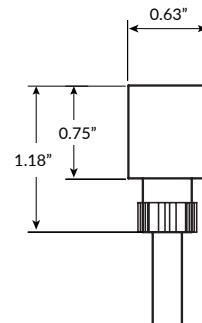
Square Profile / Side Bending / Silicone

## POWER FEED & TERMINATION OPTIONS (IP68)



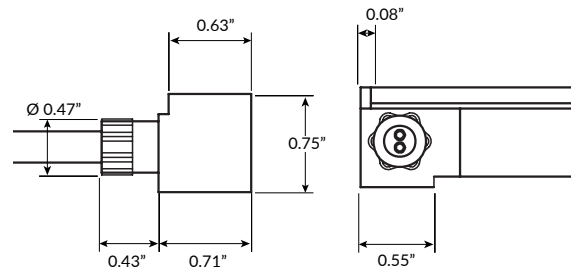
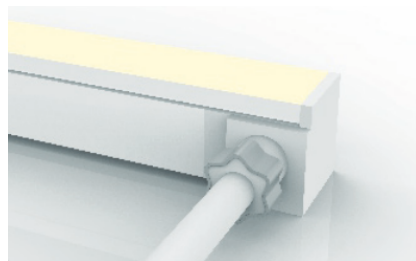
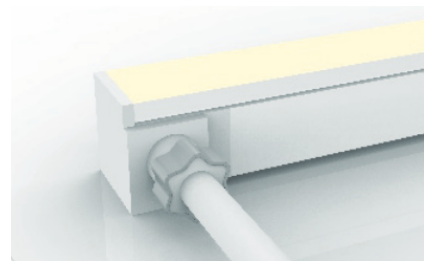
### End Power Feed

SERIES	LENGTH
LLI-NS-68-PWR3-EF	39IN 118IN 196IN 393IN



### Rear Power Feed

SERIES	LENGTH
LLI-NS-68-PWR3-RF	39IN 118IN 196IN 393IN



### Side Right Power Feed

SERIES	SIDE	LENGTH
LLI-NS-68-PWR3	SR	39IN 118IN 196IN 393IN

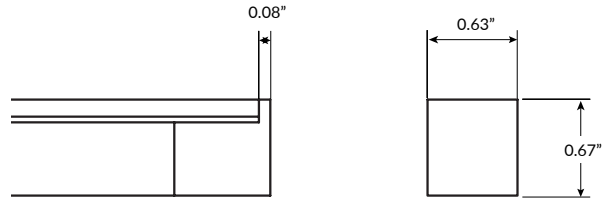
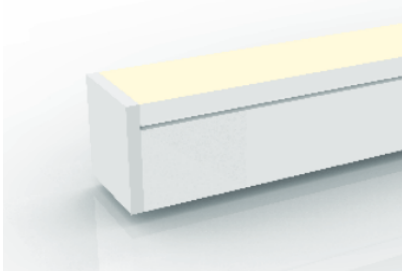
### Side Left Power Feed

SERIES	SIDE	LENGTH
LLI-NS-68-PWR3	SL	39IN 118IN 196IN 393IN

# TUNABLE WHITE LED NEON - 24V

Square Profile / Side Bending / Silicone

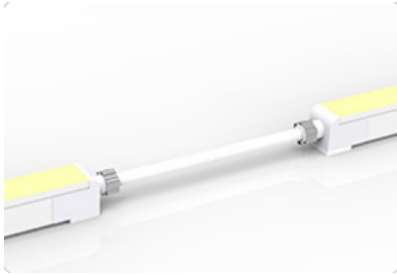
## POWER FEED & TERMINATION OPTIONS (IP68)



End Cap

SERIES

LLI-NS-68-EC



Jumper Power Connector (maximum 4 per run)

SERIES                      SIDE      LENGTH (L)

LLI-NS-68-CON3

SR	12IN
SL	39IN
EF	118IN
RF	196IN
	393IN

# TUNABLE WHITE LED NEON - 24V

Square Profile / Side Bending / Silicone

## OVERALL LENGTH / SEGMENT POINT GUIDE

Dimension tolerance of  $\pm 1/8"$ . Measurements listed below apply to Side Feed and Rear Feed Neon only. Add 1" to measurements below for End Feed Neon. 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.

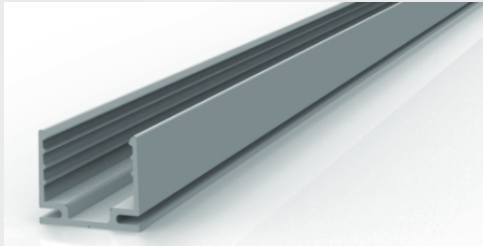
13.4"	16.7"	20.0"	23.2"	26.5"	29.8"	33.1"	36.4"	39.6"	42.9"	46.2"	49.5"
52.7"	56.0"	59.3"	62.6"	65.9"	69.1"	72.4"	75.7"	79.0"	82.3"	85.5"	88.8"
92.1"	95.4"	98.7"	101.9"	105.2"	108.5"	111.8"	115.1"	118.3"	121.6"	124.9"	128.2"
131.5"	134.7"	138.0"	141.3"	144.6"	147.9"	151.1"	154.4"	157.7"	161.0"	164.3"	167.5"
170.8"	174.1"	177.4"	180.6"	183.9"	187.2"	190.5"	193.8"	197.0"	200.3"	203.6"	206.9"
210.2"	213.4"	216.7"	220.0"	223.3"	226.6"	229.8"	233.1"	236.4"	239.7"	243.0"	246.2"
249.5"	252.8"	256.1"	259.4"	262.6"	265.9"	269.2"	272.5"	275.8"	279.0"	282.3"	285.6"
288.9"	292.2"	295.4"	298.7"	302.0"	305.3"	308.6"	311.8"	315.1"	318.4"	321.7"	324.9"
328.2"	331.5"	334.8"	338.1"	341.3"	344.6"	347.9"	351.2"	354.5"	357.7"	361.0"	364.3"
367.6"	370.9"	374.1"	377.4"	380.7"	384.0"	387.3"	390.5"	393.8"	397.1"	400.4"	403.7"
406.9"	410.2"	413.5"	416.8"	420.1"	423.3"	426.6"	429.9"	433.2"	436.5"	439.7"	443.0"
446.3"	449.6"	452.9"	456.1"	459.4"	462.7"	466.0"	469.2"	472.5"	475.8"	479.1"	482.4"
485.6"	488.9"	492.2"	495.5"	498.8"	502.0"	505.3"	508.6"	511.9"	515.2"	518.4"	521.7"
525.0"	528.3"	531.6"	534.8"	538.1"	541.4"	544.7"	548.0"	551.2"	554.5"	557.8"	561.1"
564.4"	567.6"	570.9"	574.2"	577.5"	580.8"	584.0"	587.3"				

## MOUNTING OPTIONS

**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 finish



#### Mounting Clip

Recommended 2 clips every 12"

Part Number: LLI-NS-MCL-1.5IN

Dimensions: 1.5" L x 0.83" H x 0.74" W

#### 20" Mounting Channel

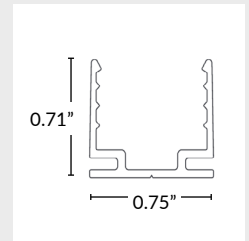
Part Number: LLI-NS-EXT-20IN

Dimensions: 20" L x 0.71" H x 0.75" W

#### 39" Mounting Channel

Part Number: LLI-NS-EXT-39IN

Dimensions: 39" L x 0.71" H x 0.75" W



### FLEXIBLE STAINLESS STEEL MOUNTING CHANNEL

Silver anodized finish



#### 4" Mounting Channel

Part Number: LLI-NS-EXT-F-4IN

Dimensions: 4" L x 0.79" H x 0.69" W

#### 12" Mounting Channel

Part Number: LLI-NS-EXT-F-12IN

Dimensions: 12" L x 0.79" H x 0.69" W

#### 20" Mounting Channel

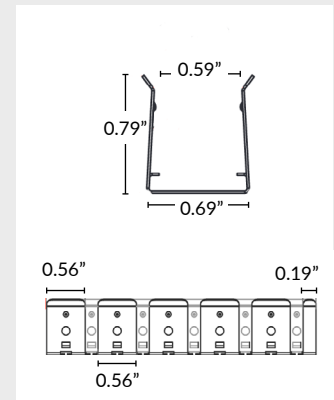
Part Number: LLI-NS-EXT-F-20IN

Dimensions: 20" L x 0.79" H x 0.69" W

#### 35" Mounting Channel

Part Number: LLI-NS-EXT-F-35IN

Dimensions: 35" L x 0.79" H x 0.69" W



# TUNABLE WHITE LED NEON - 24V

Square Profile / Side Bending / Silicone

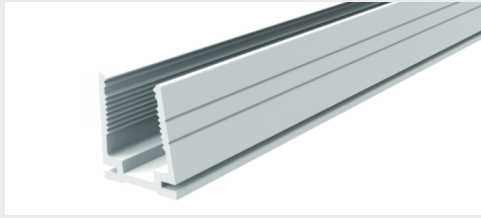
## MOUNTING CHANNELS

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

### PLASTIC MOUNTING CHANNEL

Use in submersible applications only

White finish



#### 20" Mounting Channel

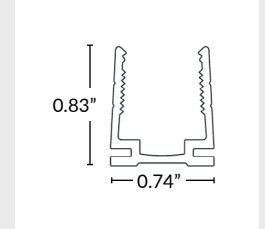
Part Number: LLI-NS-EXT-P-20IN

Dimensions: 20" L x 0.83" H x 0.74" W

#### 39" Mounting Channel

Part Number: LLI-NS-EXT-P-39IN

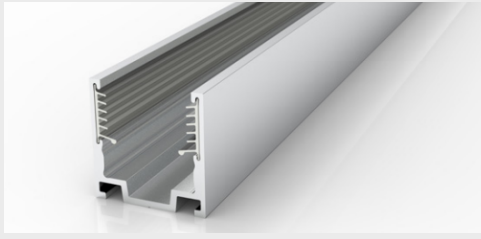
Dimensions: 39.4" L x 0.83" H x 0.74" W



### SILICONE GRIP ALUMINUM MOUNTING CHANNEL

Recommended for ceiling and wall applications

Silver anodized finish



#### Mounting Clip

Recommended 2 clips every 12"

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

Dimensions: 1.5" L x 0.83" H x 0.74" W

#### 20" Mounting Channel

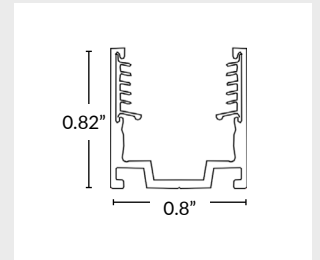
Part Number: LLI-NS-EXT-SG-20IN

Dimensions: 20" L x 0.82" H x 0.8" W

#### 39" Mounting Channel

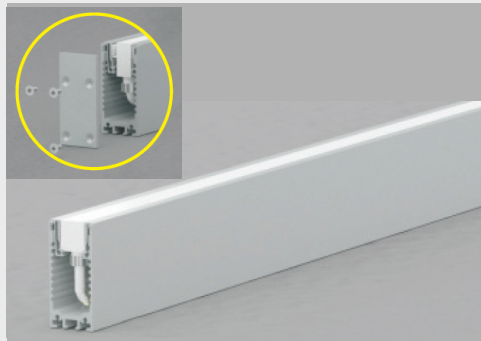
Part Number: LLI-NS-EXT-SG-39IN

Dimensions: 39.4" L x 0.82" H x 0.8" W



### ALUMINUM RACEWAY CHANNEL WITH SILICONE GRIP

Silver anodized finish



Two (2) endcaps and screws included.

#### 20" Mounting Channel

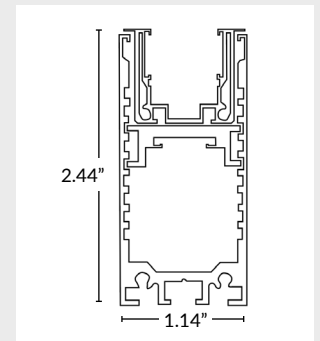
Part Number: LLI-NS-RCW-SG-20IN

Dimensions: 20" L x 2.44" H x 1.14" W

#### 39" Mounting Channel

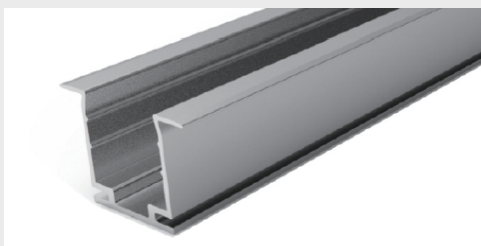
Part Number: LLI-NS-RCW-SG-39IN

Dimensions: 39.4" L x 2.44" H x 1.14" W



### RECESSED MOUNTING CHANNEL

Silver anodized finish



#### Mounting Clip

Recommended 2 clips every 12"

Part Number: LLI-NS-MCL-R-1.5IN

Dimensions: 1.5" L x 0.83" H x 1.1" W

#### 20" Mounting Channel

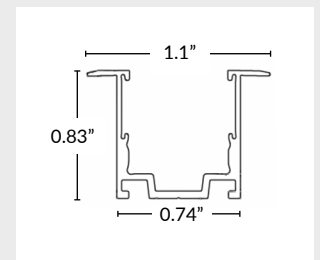
Part Number: LLI-NS-EXT-R-20IN

Dimensions: 20" L x 0.83" H x 1.1" W

#### 39" Mounting Channel

Part Number: LLI-NS-EXT-R-39IN

Dimensions: 39.4" L x 0.83" H x 1.1" W



# TUNABLE WHITE LED NEON - 24V

Square Profile / Side Bending / Silicone

## MOUNTING CHANNELS (CONTINUED)

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

### SILICONE GRIP RECESSED CHANNEL

Recommended for ceiling and wall applications  
Silver anodized finish



#### Mounting Clip

Recommended 2 clips every 12"

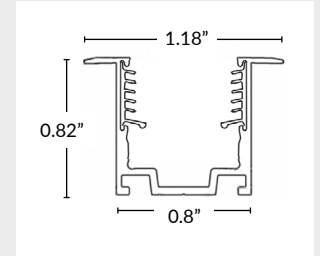
Part Number: LLI-NS-MCL-RSG-0.8IN  
Dimensions: 0.8" L x 0.82" H x 1.18" W

#### 20" Mounting Channel

Part Number: LLI-NS-EXT-RSG-20IN  
Dimensions: 20" L x 0.82" H x 1.18" W

#### 39" Mounting Channel

Part Number: LLI-NS-EXT-RSG-39IN  
Dimensions: 39.4" L x 0.82" H x 1.18" W

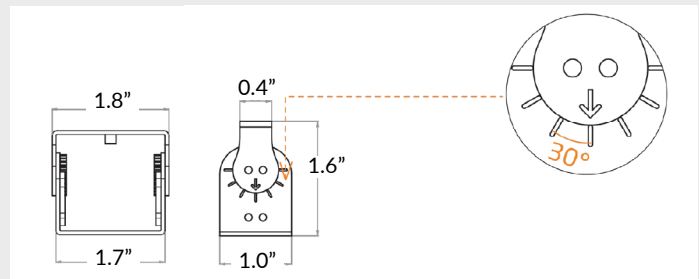


### ADJUSTABLE MOUNTING BRACKET

Recommended 3 brackets for every 39" channel  
Adjusts in 15° increments, notches every 30°



Part Number: LLI-NS-BKT-ADJ  
Dimensions: 1" L x 1.6" H x 1.8" W

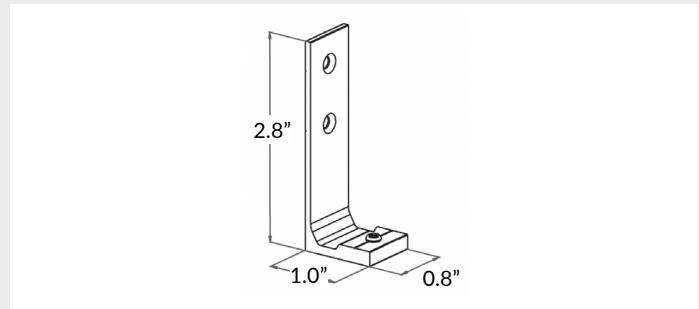


### SIDE MOUNTING BRACKET

Recommended 2 brackets for every 20" or 39" channel  
Not compatible with mounting clips



Part Number: LLI-NS-BKT-90D  
Dimensions: 0.8" L x 2.8" H x 1.0" W



# TUNABLE WHITE LED NEON - 24V

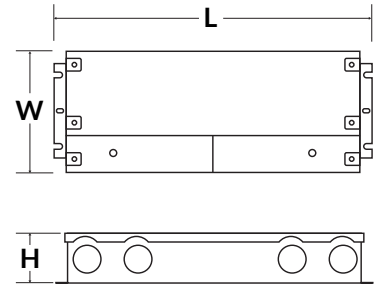
Square Profile / Side Bending / Silicone

POWER SUPPLY (SOLD SEPARATELY)

NON-DIMMABLE ELECTRONIC



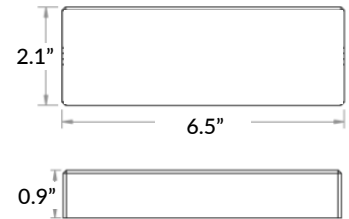
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5"	3.5"	1.02"
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4"	3.5"	1.2"
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-NDE-192W-24V-CL2-KO	2x96W	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"



RF RECEIVER (SOLD SEPARATELY)

## LLI-C-RCV-UR-RF-4CH

CONTROLLER COMPATIBILITY	Compatible with all RF LLI-C-CTRL controllers.
LED COMPATIBILITY	Static Color, Tunable White & RGB(W) LEDs
CHANNELS	4 Channel, 8 Amp
INPUT VOLTAGE	12V / 24V (power supply not included)
CAPACITY	12V - 96W, 24V - 192W
FEATURES	Can be controlled by up to (8) controllers Can be synchronized with unlimited receivers up to 320ft away





# TUNABLE WHITE LED NEON - 24V

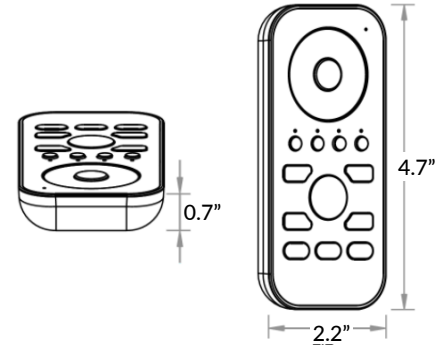
Square Profile / Side Bending / Silicone

RF CONTROLLERS (SOLD SEPARATELY)

## REMOTE CONTROLLER

**LLI-C-CTRL-TW-HH**

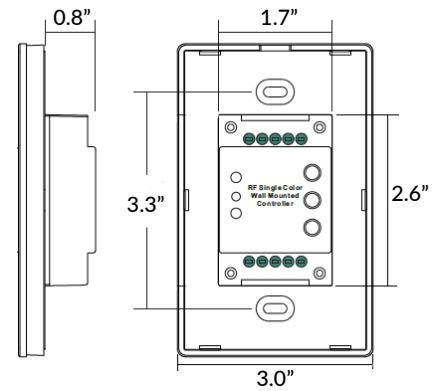
RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	Tunable White LEDs
INPUT VOLTAGE	Battery operated (3 AAA batteries not included)
FEATURES	<ul style="list-style-type: none"> <li>Programmable up to 4 zones, 3 scenes</li> <li>Color adjustment</li> <li>Light intensity adjustment</li> </ul>



## TOUCH PANEL WALL CONTROLLER

**LLI-C-CTRL-TW-TP-WH**

RECEIVER COMPATIBILITY	Compatible with Universal RF receivers
LED COMPATIBILITY	Tunable White LEDs
INPUT VOLTAGE	12V DC power supply required (not included)
FEATURES	<ul style="list-style-type: none"> <li>Control range <math>\geq</math> 65ft</li> <li>Programmable up to 3 scenes</li> <li>4 color presets</li> <li>Color adjustment</li> <li>Light intensity adjustment</li> </ul>



# TUNABLE WHITE LED NEON - 24V

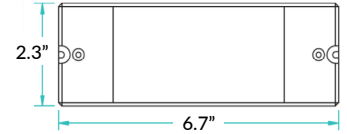
Square Profile / Side Bending / Silicone

## DMX DECODERS (SOLD SEPARATELY)

### DMX512 DECODER

#### LLI-C-DEC-DMX512-8A

LOCATION RATING	Indoor only
FUNCTION	Single color, tunable white, RGB(W) LEDs
CHANNELS	4 channel output, 8 Amp maximum 512 addressable DMX channels
CAPACITY	12V - 96W maximum 24V - 192W maximum
COMPATIBILITY	Compatible with LLI-C-CTRL-DMX controllers



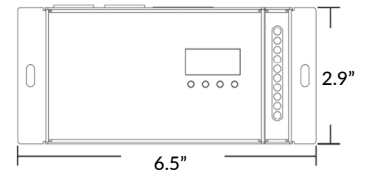
#### POWER

Power supply not included. 12V/24V non-dimming power supply required.

### RDM DMX512 DECODER

#### LLI-C-DEC-DMX512-8A-RDM

OUTPUT	8A maximum, 4 channels
LOCATION RATING	Indoor only
FUNCTION	RDM communication and PWM dimming for static white, static color, tunable white, and RGB(W) LEDs
CHANNELS	4 channel output, 8 Amp maximum 512 addressable DMX channels
CAPACITY	12V - 96W maximum 24V - 192W maximum
COMPATIBILITY	Compatible with LLI-C-CTRL-DMX controllers



#### FEATURES

Can be controlled by up to eight (8) controllers. Can be synchronized with twenty (20) decoders.

#### POWER

Power supply not included. 12V/24V non-dimming power supply required.

# TUNABLE WHITE LED NEON - 24V

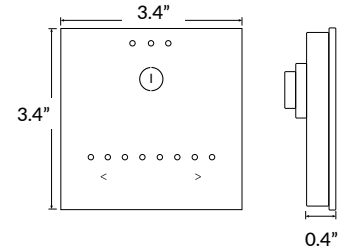
Square Profile / Side Bending / Silicone

DMX WALL CONTROLLERS (SOLD SEPARATELY)

## STAND ALONE DMX WALL CONTROLLER, GU2

### LLI-C-CTRL-DMX-STICK-GU2

INCLUDED IN PACKAGE	Controller, CD-ROM, USB cable, connector block, power supply
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher, USB 2.0 port
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (included)
CONNECTIONS	Power (2 pins), DMX (3 pins), Port (2 pins), Micro-USB Port
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only



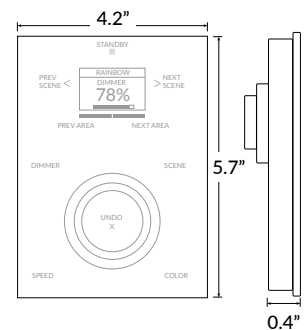
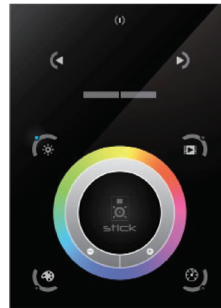
### FEATURES

- Up to 24 dynamic or static scenes
- Wall mounted control panel with glass face, touch-sensitive buttons
- Programmable with included USB cable and software – no Ethernet or WiFi required

## STAND ALONE DMX WALL CONTROLLER, DE3

### LLI-C-CTRL-DMX-STICK-DE3

INCLUDED IN PACKAGE	Controller, connector block, power supply
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher / iOS phone or tablet / Android phone or tablet
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (Mac/Windows) DMX Lightpad 3 App (iOS/Android) Easy Remote App (iOS/Android)
CONNECTIONS	Power/DMX - screw terminal and RJ45 compatible Memory - MicroSD slot Programming - MicroUSB port
POWER SUPPLY	6VDC power supply (included)
MEMORY	MicroSD card (not included)
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only



### FEATURES

- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- Integrated clock and calendar for scheduling events
- Touch-sensitive buttons
- USB and Ethernet connectivity for programming
- Windows/Mac software for programming dynamic effects
- iPhone/iPad/Android apps for remote control and program

# TUNABLE WHITE LED NEON - 24V

Square Profile / Side Bending / Silicone

## DMX WALL CONTROLLERS (SOLD SEPARATELY)

### STAND ALONE DMX WALL CONTROLLER, CW4

<b>LLI-C-CTRL-DMX-STICK-CW4</b>	-		<b>FINISH</b>
			<b>BL</b> Black glass
			<b>WH</b> White glass

INCLUDED IN PACKAGE	Controller, connector block, power supply, mini-USB cable, ESA2 software, ESA Pro2 Software
OS/COMPUTER REQUIREMENTS	Mac OSx 10.6 or higher / Windows XP or higher
PROGRAM SOFTWARE	Easy Stand Alone, ESA2 (Mac/Windows)
CONNECTIONS	Power/DMX - screw terminal and RJ45 Programming - miniUSB port
POWER SUPPLY	Requires 5-10VDC 0.6A power supply (included)
MEMORY	Integrated flash memory
MOUNTING	Single or double gang wall box
IP RATING	IP20 - dry locations only



### FEATURES

- Can be controlled directly from a computer, smartphone, or tablet
- Touch-sensitive buttons, glass face
- Up to 36 dynamic or static scenes
- 8 port triggers
- 1024 DMX channels control up to 340 RGB fixtures
- Windows/Mac software for programming dynamic effects
- Internal clock and calendar with sunrise/sunset triggering

