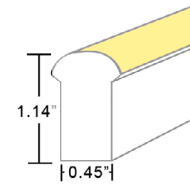
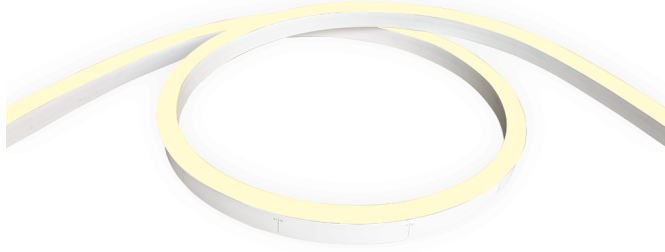


# TUNABLE WHITE LED NEON - 24V

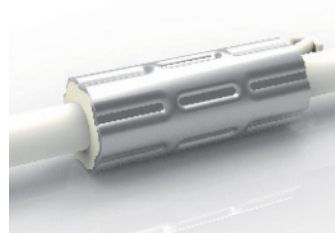
Dome Profile / Side Bending / Silicone



## TECHNICAL INFORMATION

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

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| WATTAGE            | 3.7W per foot                                                                                                |
| IP RATING          | IP67 - wet locations. Protected against temporary submersion, limited protection against harsh environments. |
| PROFILE            | Dome                                                                                                         |
| BEND ORIENTATION   | Side Bending                                                                                                 |
| HOUSING MATERIAL   | Silicone, UV resistant per ISO 4892-3                                                                        |
| OUTPUT             | 2500K - 5000K (±280K) - 80 lm/ft                                                                             |
| INPUT VOLTAGE      | 24VDC                                                                                                        |
| CRI                | 80+                                                                                                          |
| SEGMENT LENGTH     | Every 3.3", not field-cuttable                                                                               |
| MAXIMUM RUN        | 49 feet (single feed power)                                                                                  |
| DIMENSIONS         | 0.45" W x 1.14" H (11.5mm x 29mm)                                                                            |
| MINIMUM BEND       | 4.72" diameter                                                                                               |
| INSTALLATION TEMP. | -40° to 140°F                                                                                                |
| OPERATING TEMP.    | -40° to 140°F                                                                                                |
| WARRANTY           | 3 year limited                                                                                               |
| POWER SUPPLY       | Compatible with all non-dim 24VDC power supplies                                                             |

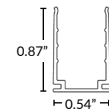


### ANTI-WICKING FERRULE

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"

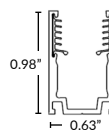
### MOUNTING CLIP OPTIONS (SOLD SEPARATELY)

More options and channels available (page 5-7). Recommended 2 clips per 12" of Neon.



#### Mounting Clip

Part Number: LLI-ND-MCL-1.5IN  
1.38" L x 0.87" H x 0.54" W



#### Silicone Grip Mounting Clip

Part Number: LLI-ND-MCL-SG-0.8IN  
0.80" L x 0.98" H x 0.63" W

**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-67-DSS-2550-24V-96in

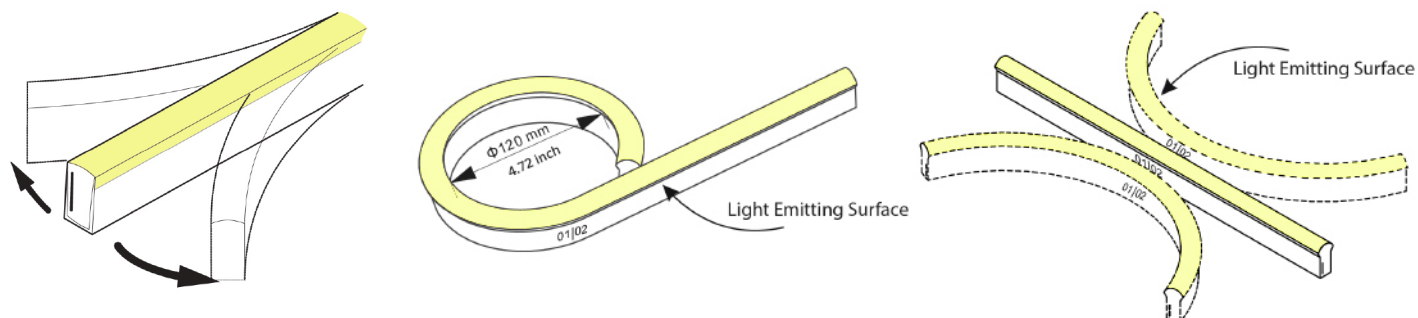
| SERIES    | IP RATING | TYPE | CCT  | VOLTAGE | LENGTH               |
|-----------|-----------|------|------|---------|----------------------|
| LLI-N3.7W | 67        | DSS  | 2550 | 24V     | <input type="text"/> |

(enter length in inches, up to 587")

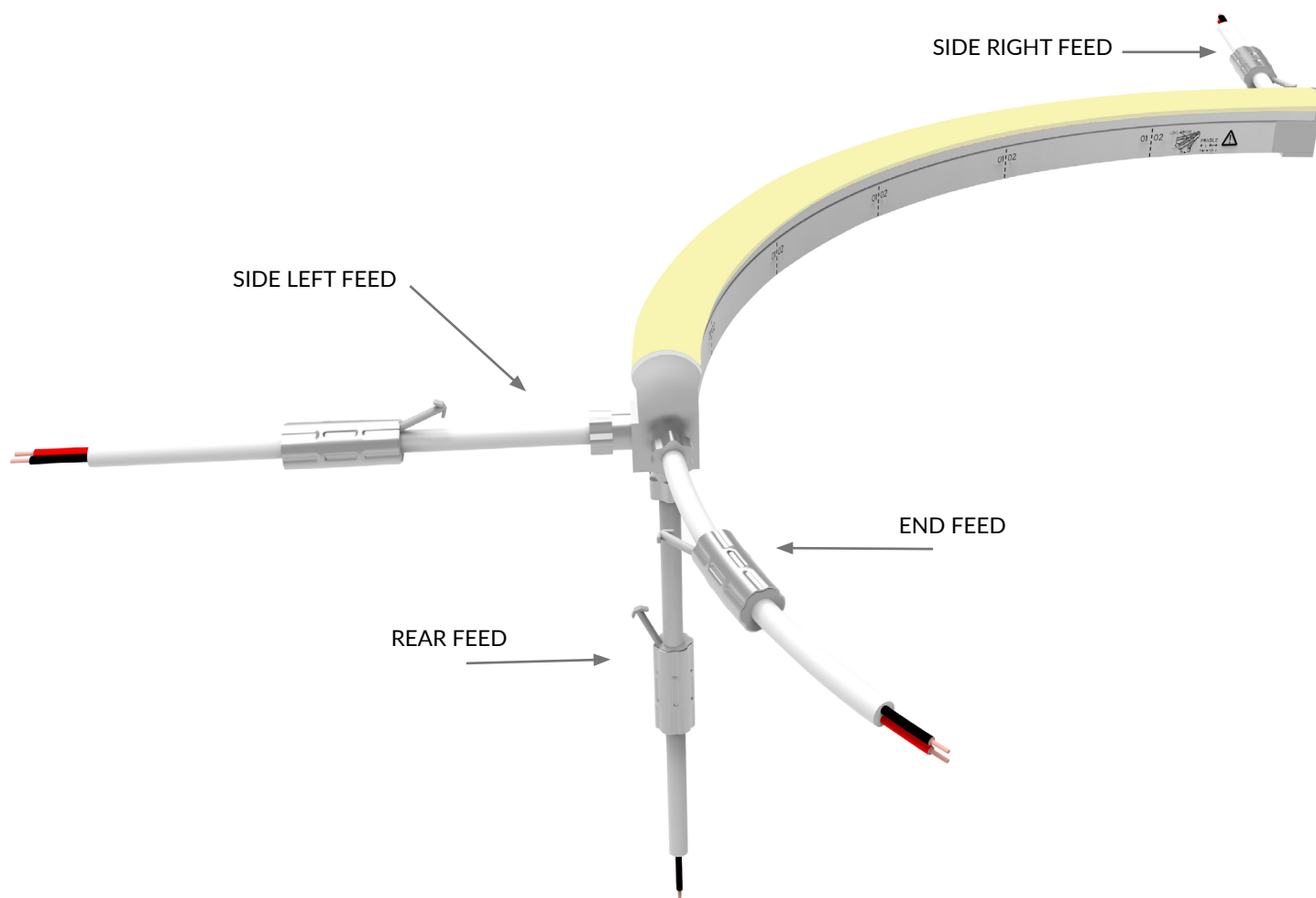
# TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

## ORIENTATION & MINIMUM BEND DIAMETER



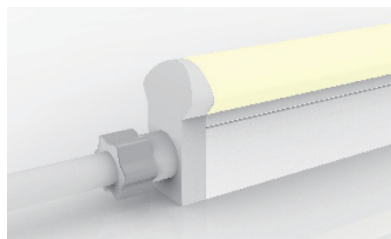
## POWER FEED ORIENTATION GUIDE



# TUNABLE WHITE LED NEON - 24V

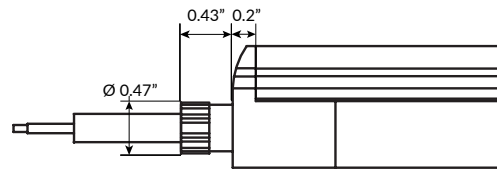
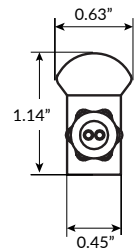
Dome Profile / Side Bending / Silicone

## POWER FEED & TERMINATION OPTIONS (IP67)



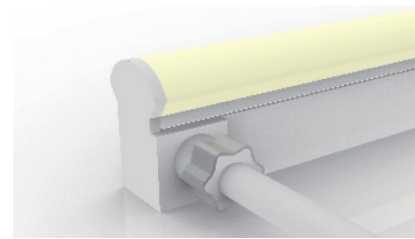
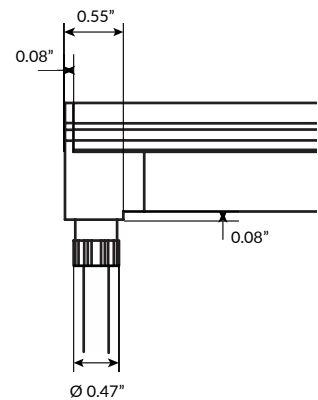
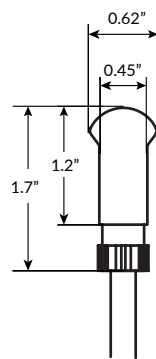
End Power Feed

| SERIES            | LENGTH                          |
|-------------------|---------------------------------|
| LLI-ND-67-PWR3-EF | 39IN<br>118IN<br>196IN<br>393IN |



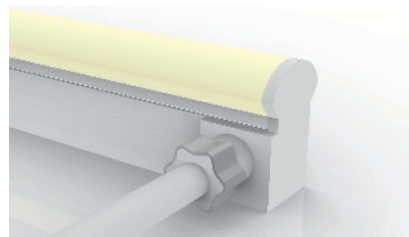
Rear Power Feed

| SERIES            | LENGTH                          |
|-------------------|---------------------------------|
| LLI-ND-67-PWR3-RF | 39IN<br>118IN<br>196IN<br>393IN |



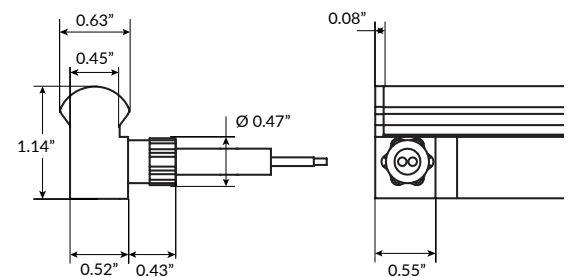
Side Right Power Feed

| SERIES         | SIDE | LENGTH                          |
|----------------|------|---------------------------------|
| LLI-ND-67-PWR3 | SR   | 39IN<br>118IN<br>196IN<br>393IN |



Side Left Power Feed

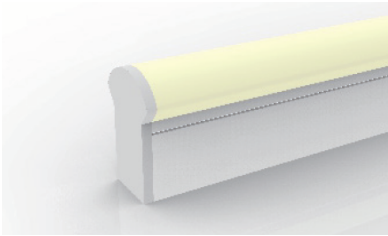
| SERIES         | SIDE | LENGTH                          |
|----------------|------|---------------------------------|
| LLI-ND-67-PWR3 | SL   | 39IN<br>118IN<br>196IN<br>393IN |



# TUNABLE WHITE LED NEON - 24V

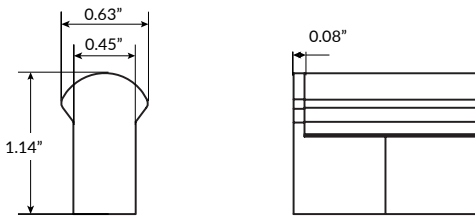
Dome Profile / Side Bending / Silicone

## POWER FEED & TERMINATION OPTIONS (IP67)



End Cap

SERIES  
LLI-ND-67-EC



Jumper Power Connector (maximum 4 per run)

| SERIES         | SIDE | LENGTH (L) |
|----------------|------|------------|
| LLI-ND-67-CON3 |      |            |
|                | SR   | 12IN       |
|                | SL   | 39IN       |
|                | EF   | 118IN      |
|                | RF   | 196IN      |
|                |      | 393IN      |



# TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

## OVERALL LENGTH / CUT 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.

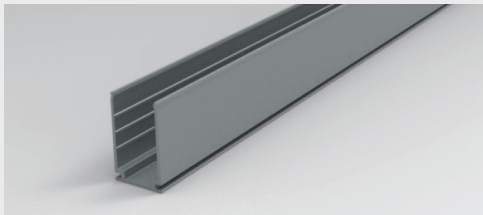
|        |        |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6.8"   | 10.1"  | 13.4"  | 16.7"  | 20.0"  | 23.2"  | 26.5"  | 29.8"  | 33.1"  | 36.4"  | 39.6"  | 42.9"  |
| 46.2"  | 49.5"  | 52.8"  | 56.0"  | 59.3"  | 62.6"  | 65.9"  | 69.2"  | 72.4"  | 75.7"  | 79.0"  | 82.3"  |
| 85.6"  | 88.8"  | 92.1"  | 95.4"  | 98.7"  | 102.0" | 105.2" | 108.5" | 111.8" | 115.1" | 118.4" | 121.6" |
| 124.9" | 128.2" | 131.5" | 134.8" | 138.0" | 141.3" | 144.6" | 147.9" | 151.2" | 154.4" | 157.7" | 161.0" |
| 164.3" | 167.6" | 170.8" | 174.1" | 177.4" | 180.7" | 184.0" | 187.2" | 190.5" | 193.8" | 197.1" | 200.4" |
| 203.6" | 206.9" | 210.2" | 213.5" | 216.8" | 220.0" | 223.3" | 226.6" | 229.9" | 233.2" | 236.4" | 239.7" |
| 243.0" | 246.3" | 249.6" | 252.8" | 256.1" | 259.4" | 262.7" | 266.0" | 269.2" | 272.5" | 275.8" | 279.1" |
| 282.4" | 285.6" | 288.9" | 292.2" | 295.5" | 298.8" | 302.0" | 305.3" | 308.6" | 311.9" | 315.2" | 318.4" |
| 321.7" | 325.0" | 328.3" | 331.6" | 334.8" | 338.1" | 341.4" | 344.7" | 348.0" | 351.2" | 354.5" | 357.8" |
| 361.1" | 364.4" | 367.6" | 370.9" | 374.2" | 377.5" | 380.8" | 384.0" | 387.3" | 390.6" | 393.9" | 397.2" |
| 400.4" | 403.7" | 407.0" | 410.3" | 413.6" | 416.8" | 420.1" | 423.4" | 426.7" | 430.0" | 433.2" | 436.5" |
| 439.8" | 443.1" | 446.4" | 449.6" | 452.9" | 456.2" | 459.5" | 462.8" | 466.0" | 469.3" | 472.6" | 475.9" |
| 479.2" | 482.4" | 485.7" | 489.0" | 492.3" | 495.6" | 498.8" | 502.1" | 505.4" | 508.7" | 512.0" | 515.2" |
| 518.5" | 521.8" | 525.1" | 528.4" | 531.6" | 534.9" | 538.2" | 541.5" | 544.8" | 548.0" | 551.3" | 554.6" |
| 557.9" | 561.2" | 564.4" | 567.7" | 571.0" | 574.3" | 577.6" | 580.8" | 584.1" | 587.4" | 590.7" |        |

## 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.

### ALUMINUM MOUNTING CHANNEL

Silver anodized finish



#### Mounting Clip

Recommended 2 clips every 12"

Part Number: LLI-ND-MCL-1.5IN

Dimensions: 1.5" L x 0.87" H x 0.54" W

#### 20" Mounting Channel

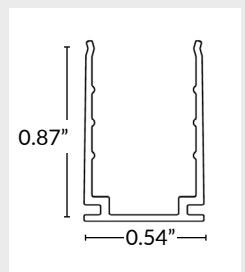
Part Number: LLI-ND-EXT-20IN

Dimensions: 20" L x 0.87" H x 0.54" W

#### 39" Mounting Channel

Part Number: LLI-ND-EXT-39IN

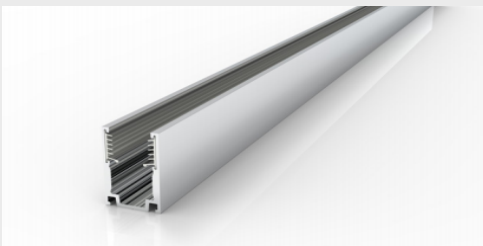
Dimensions: 39" L x 0.87" H x 0.54" W



### SILICONE GRIP ALUMINUM MOUNTING CHANNEL

Recommended for ceiling and wall applications

Silver anodized finish



#### Mounting Clip

Recommended 2 clips every 12"

Part Number: LLI-ND-MCL-SG-0.8IN

Dimensions: 0.80" L x 0.98" H x 0.63" W

#### 20" Mounting Channel

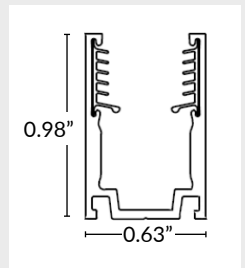
Part Number: LLI-ND-EXT-SG-20IN

Dimensions: 20" L x 0.98" H x 0.63" W

#### 39" Mounting Channel

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

Dimensions: 39.4" L x 0.98" H x 0.63" W



# TUNABLE WHITE LED NEON - 24V

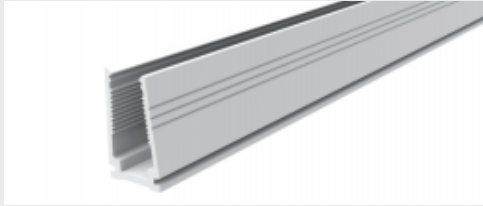
Dome Profile / Side Bending / Silicone

## 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

White finish

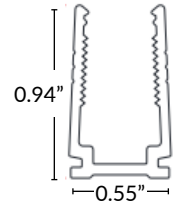


#### 20" Mounting Channel

Part Number: LLI-NS-EXT-P-20IN  
Dimensions: 20" L x 0.94" H x 0.55" W

#### 39" Mounting Channel

Part Number: LLI-NS-EXT-P-39IN  
Dimensions: 39.4" L x 0.94" H x 0.55" W



### REINFORCED PLASTIC MOUNTING CHANNEL

Clear plastic



#### 1.5" Mounting Clip

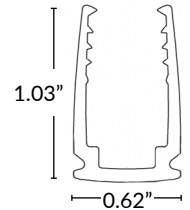
Part Number: LLI-ND-EXT-CP-1.5IN  
Dimensions: 1.5" L x 1.03" H x 0.62" W

#### 20" Mounting Channel

Part Number: LLI-ND-EXT-CP-20IN  
Dimensions: 20" L x 1.03" H x 0.62" W

#### 39" Mounting Channel

Part Number: LLI-ND-EXT-CP-39IN  
Dimensions: 39.4" L x 1.03" H x 0.62" W



### FLEXIBLE STAINLESS STEEL MOUNTING CHANNEL

Silver anodized finish



#### 4" Mounting Channel

Part Number: LLI-ND-EXT-F-4IN  
Dimensions: 4" L x 0.97" H x 0.52" W

#### 12" Mounting Channel

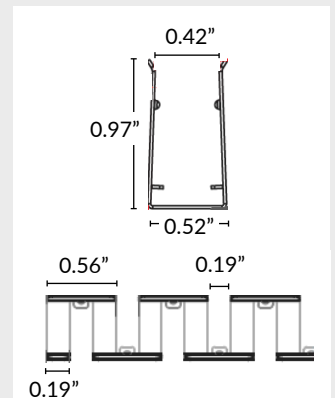
Part Number: LLI-ND-EXT-F-12IN  
Dimensions: 12" L x 0.97" H x 0.52" W

#### 20" Mounting Channel

Part Number: LLI-ND-EXT-F-20IN  
Dimensions: 20" L x 0.97" H x 0.52" W

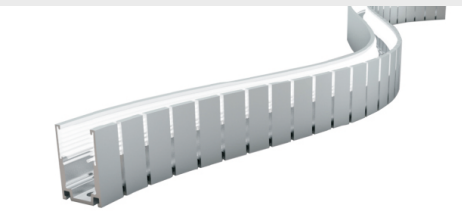
#### 35" Mounting Channel

Part Number: LLI-ND-EXT-F-35IN  
Dimensions: 35" L x 0.97" H x 0.52" W



### BENDABLE SERRATED ALUMINUM MOUNTING CHANNEL

Silver anodized finish

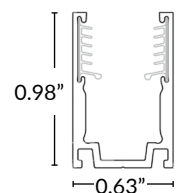


#### 20" Mounting Channel

Part Number: LLI-ND-EXT-BS-20IN  
Dimensions: 20" L x 0.98" H x 0.63" W

#### 39" Mounting Channel

Part Number: LLI-ND-EXT-BS-39IN  
Dimensions: 39.4" L x 0.98" H x 0.63" W



# TUNABLE WHITE LED NEON - 24V

Dome 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.

### RECESSED ALUMINUM MOUNTING CHANNEL

Silver anodized finish



#### 0.8" Mounting Clip

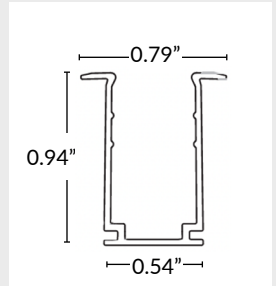
Part Number: LLI-ND-EXT-R-0.8IN  
Dimensions: 0.8" L x 0.94" H x 0.79" W

#### 20" Mounting Channel

Part Number: LLI-ND-EXT-R-20IN  
Dimensions: 20" L x 0.94" H x 0.79" W

#### 39" Mounting Channel

Part Number: LLI-ND-EXT-R-39IN  
Dimensions: 39.4" L x 0.94" H x 0.79" W



### RECESSED ALUMINUM MOUNTING CHANNEL WITH SILICONE GRIP

Recommended for ceiling and wall applications  
Silver anodized finish



#### 0.8" Mounting Clip

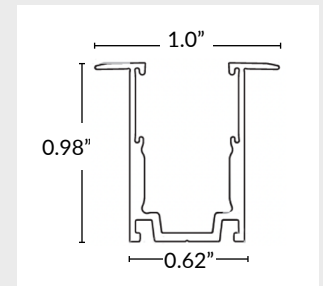
Part Number: LLI-ND-MCL-RSG-0.8IN  
Dimensions: 0.8" L x 0.98" H x 1.0" W

#### 20" Mounting Channel

Part Number: LLI-ND-EXT-RSG-20IN  
Dimensions: 20" L x 0.98" H x 1.0" W

#### 39" Mounting Channel

Part Number: LLI-ND-EXT-RSG-39IN  
Dimensions: 39.4" L x 0.98" H x 1.0" W

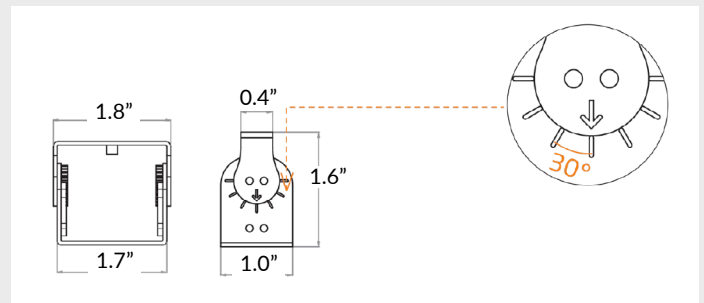


### ADJUSTABLE MOUNTING BRACKET

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



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

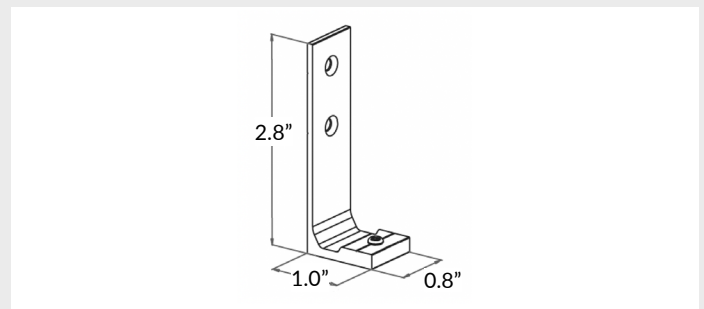


### SIDE MOUNTING BRACKET

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



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



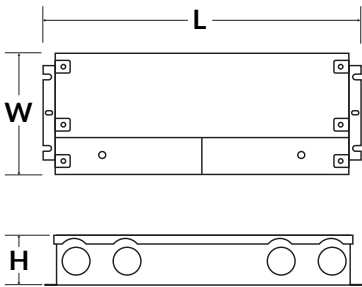
# TUNABLE WHITE LED NEON - 24V

Dome Profile / Side Bending / Silicone

POWER SUPPLY (SOLD SEPARATELY)

NON-DIMMABLE ELECTRONIC 

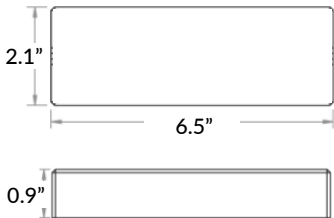
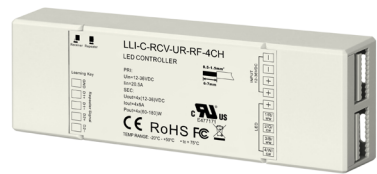
| PART NUMBER                | CAPACITY | INPUT    | OUTPUT | CLASS   | LOCATION | L     | W    | H     |
|----------------------------|----------|----------|--------|---------|----------|-------|------|-------|
| LLI-PS-NDE-030W-24V-KO     | 30W      | 100-277V | 24V    | CLASS 2 | IP66 WET | 6.5"  | 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)                                                                       |
| CAPACTIY                 | 12V - 96W, 24V - 192W                                                                                       |
| FEATURES                 | Can be controlled by up to (8) controllers<br>Can be synchronized with unlimited receivers up to 320ft away |





# TUNABLE WHITE LED NEON - 24V

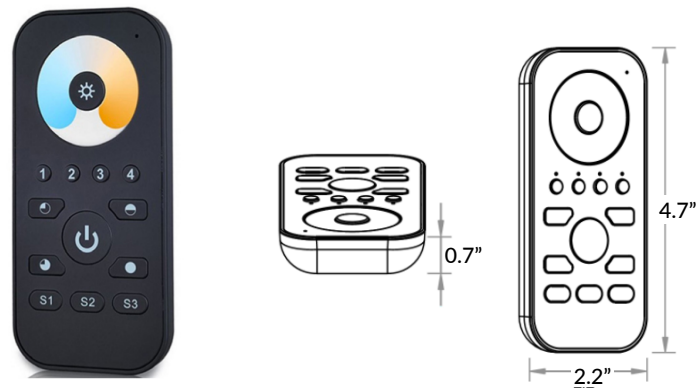
Dome Profile / Side Bending / Silicone

RF CONTROLLERS (SOLD SEPARATELY)

## REMOTE CONTROLLER

LLI-C-CTRL-RGBW-HH

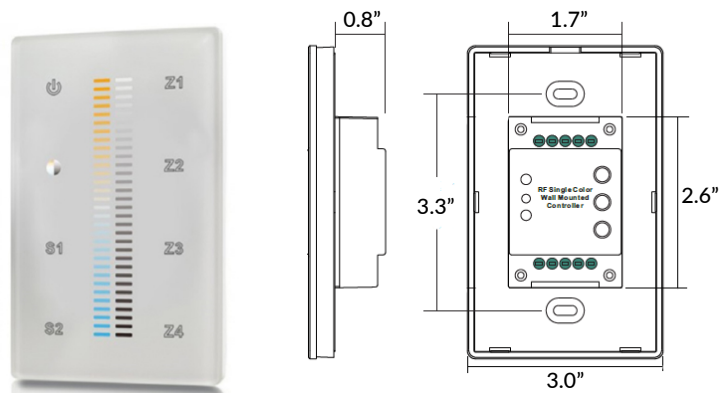
|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| RECEIVER COMPATIBILITY | Compatible with Universal RF receivers                                                 |
| LED COMPATIBILITY      | Tunable White LEDs                                                                     |
| INPUT VOLTAGE          | Battery operated (3 AAA batteries not included)                                        |
| FEATURES               | Programmable up to 4 zones, 3 scenes<br>Color adjustment<br>Light intensity adjustment |



## 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               | Control range ≥ 65ft<br>Programmable up to 3 scenes<br>4 color presets<br>Color adjustment<br>Light intensity adjustment |



# TUNABLE WHITE LED NEON - 24V

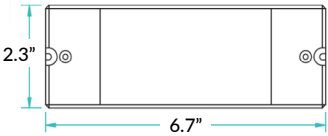
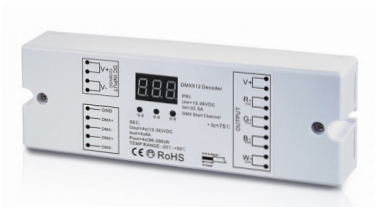
Dome Profile / Side Bending / Silicone

## DMX DECODERS (SOLD SEPARATELY)

### DMX512 DECODER

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

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



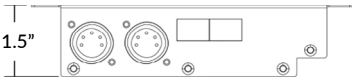
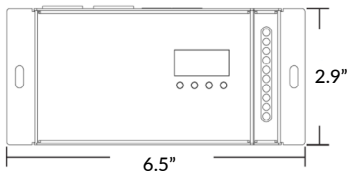
#### POWER

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<br>512 addressable DMX channels                                  |
| CAPACITY        | 12V - 96W maximum<br>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

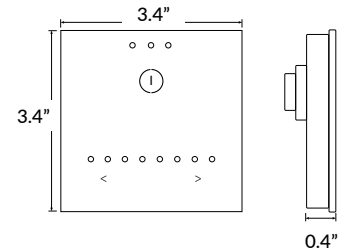
Dome Profile / Side Bending / Silicone

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                                    |



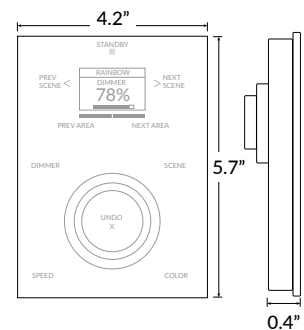
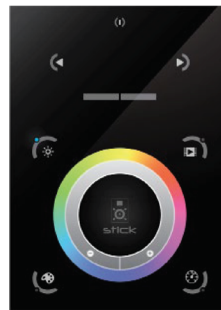
### FEATURES

- 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)<br>DMX Lightpad 3 App (iOS/Android)<br>Easy Remote App (iOS/Android) |
| CONNECTIONS              | Power/DMX - screw terminal and RJ45 compatible<br>Memory - MicroSD slot<br>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

Dome Profile / Side Bending / Silicone

DMX WALL CONTROLLERS (SOLD SEPARATELY)

## STAND ALONE DMX WALL CONTROLLER, CW4

LLI-C-CTRL-DMX-STICK-CW4

-

FINISH

BL Black glass

WH 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<br>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

