

## LINIO NEON 0612X SV TW

Outdoor · Horizontal Bending · Tunable White

## Features

- Premium silicone material & Tunable white from 2700K to 5300K
- IP67 rated, ideal for outdoor uses
- 5 years warranty

## Applications

Gardens, parks, hotels, facades, pathways, outdoor steps, etc.

Date

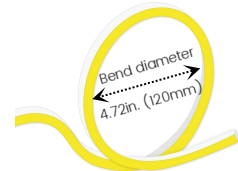
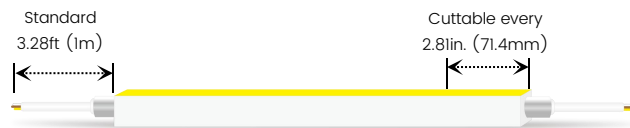
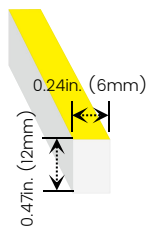
Fixture type

Project name

Project phase



## Dimensions



## Order Code

## Assembly Builder

| Model     | Environment   | Voltage  | Temp./Color       | Power        | End Cap                                                                                     | Left Feed Entry                                                                                                                                                                                                                                  |
|-----------|---------------|----------|-------------------|--------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LN0612XSV | W7-Wet (IP67) | 24-DC24V | 2753-2700K +5300k | 396-3.96W/ft | <b>IJ</b> Injected (IP67)<br><b>IJC</b> Clear injected (IP67)<br><b>SEC</b> Silicone (IP67) | <b>F</b> Front <b>OW</b> Open wire 3.28ft (1m)<br><b>B</b> Bottom <b>MC</b> Male connector with 0.98ft (30cm) cable<br><b>S</b> Side <b>FC</b> Female connector with 0.98ft (30cm) cable<br><b>C</b> Closed <b>NA</b> Only for Closed Feed Entry |

\*Injected and clear injected end cap are factory-made only.

## Assembly Builder

| Right Feed Entry |           |                                           |  | Length              |                  |
|------------------|-----------|-------------------------------------------|--|---------------------|------------------|
| <b>F</b> Front   | <b>OW</b> | Open wire 3.28ft (1m)                     |  | <b>Max. nominal</b> | 32.8ft (10m)     |
| <b>B</b> Bottom  | <b>MC</b> | Male connector with 0.98ft (30cm) cable   |  | <b>Increment</b>    | 2.81in. (71.4mm) |
| <b>S</b> Side    | <b>FC</b> | Female connector with 0.98ft (30cm) cable |  |                     |                  |
| <b>C</b> Closed  | <b>NA</b> | Only for Closed Feed Entry                |  |                     |                  |

\*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

## Mounting Order Code

| Product Code |
|--------------|
|--------------|

Please select on the Mounting Options page.

## Lumen Output (lm/ft)

| Temp./Color               | 3.96W/ft      |
|---------------------------|---------------|
| 2700K                     | 85            |
| 5300K                     | 89            |
| 2700K+5300K               | 172           |
| Max. Run for Class 2      | 21.7ft (6.6m) |
| Max. Run Supported Length | 32.8 (10m)    |

\*Typically installations in USA and Canada comply with Class 2 requirements.

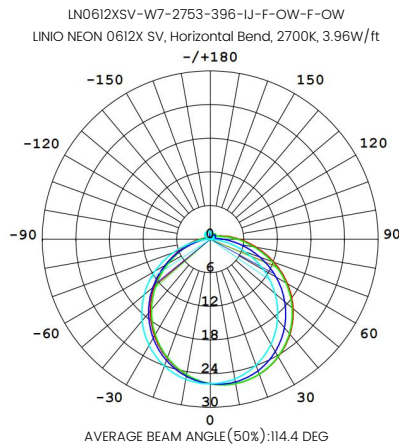
## Technical Details

|                       |                             |
|-----------------------|-----------------------------|
| Efficacy              | 43.4lm/W @2700K+5300K 3.96W |
| CRI                   | Ra ≥ 90                     |
| Beam Angle            | 110°                        |
| LED MacAdam           | 2 steps                     |
| IK Rating             | IK07                        |
| Average Life (L70)    | > 54,000 hours              |
| Storage Temperature   | -40-140°F (-40°C- 60°C)     |
| Operating Temperature | -40-113°F (-40°C- 45°C)     |

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Photometry



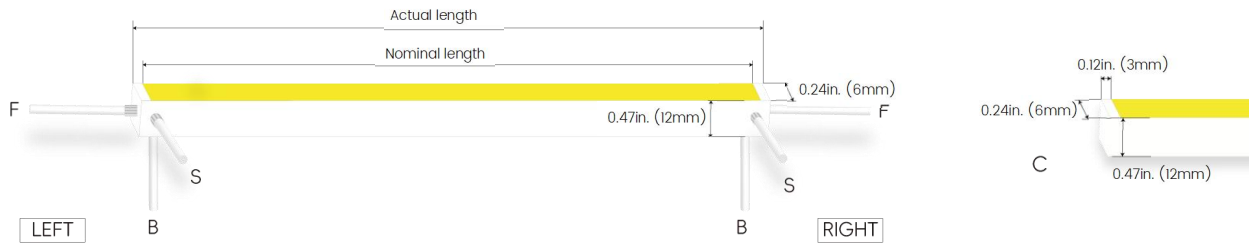
Zonal Lumen Summary 2700K

| Zone  | Lumen | % Fixture |
|-------|-------|-----------|
| 0-30  | 20.0  | 23.6%     |
| 0-40  | 32.9  | 38.8%     |
| 0-60  | 58.8  | 69.3%     |
| 0-90  | 79.0  | 93%       |
| 0-180 | 85.0  | 100%      |

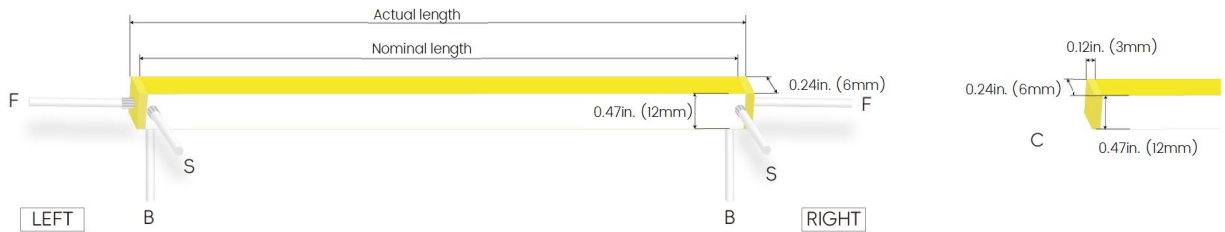
UNIT: CD  
— C0/180, 117.6  
— C30/210, 115.4  
— C60/240, 112.8  
— C90/270, 112.0

Feed Entry / End Cap Options

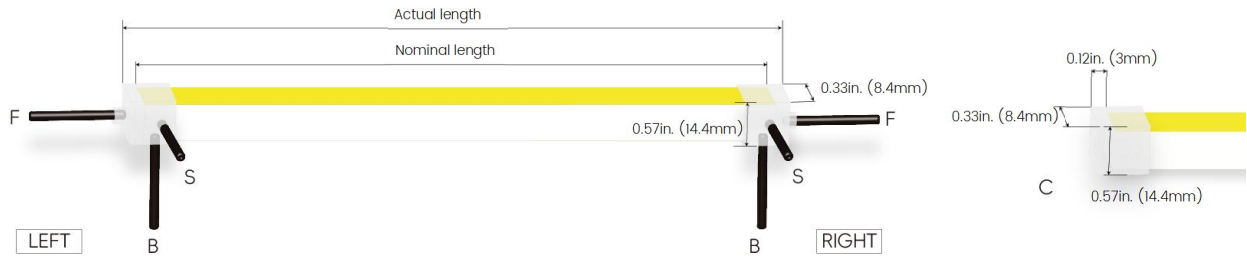
IJJ: Injected end cap – IP67, factory-made only



IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



Connector Wire Options



**OW:** Open wire, **Dry** only  
Standard 3.28ft (1m), 20 AWG (wire length customizable)



**MC:** Male connector, **Wet**  
Standard 0.98ft (30cm), 20 AWG

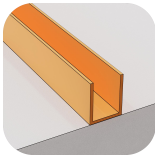
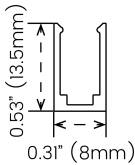
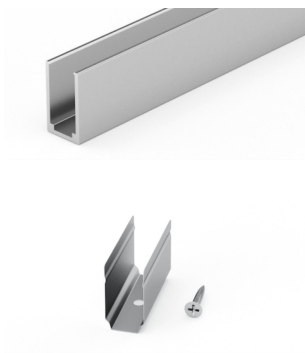


**FC:** Female connector, **Wet**  
Standard 0.98ft (30cm), 20 AWG

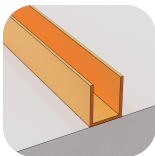
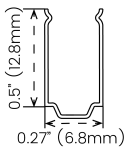
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Mounting Options



|                  |                          |
|------------------|--------------------------|
| <b>LN0612-SC</b> |                          |
| Name             | Straight surface channel |
| Material         | Aluminum                 |
| Standard Length  | 3.28ft (1M)              |



|                  |                 |
|------------------|-----------------|
| <b>LN0612-CL</b> |                 |
| Name             | Mounting clip   |
| Material         | Stainless Steel |
| Standard Length  | 0.59in. (15mm)  |

End Caps (Optional, purchase for extra)



**LN0612-SEC-C**  
Silicone closed end cap



**LN0612-SEC-F-3P**  
Silicone end cap front entry with 0.98ft (30cm) cable, 3 pin



**LN0612-SEC-S-3P**  
Silicone end cap side entry with 0.98ft (30cm) cable, 3 pin



**LN0612-SEC-B-3P**  
Silicone end cap bottom entry with 0.98ft (30cm) cable, 3 pin

Additional Accessories (Optional, purchase for extra)



**MCW-3P-67**  
Male connector with 0.98ft (30cm) white cable, 3 pin, IP67, Wet, 20 AWG



**FCW-3P-67**  
Female connector with 0.98ft (30cm) white cable, 3 pin, IP67, Wet, 20 AWG



**MCB-3P-67**  
Male connector with 0.98ft (30cm) black cable, 3 pin, IP67, Wet, 20 AWG



**FCB-3P-67**  
Female connector with 0.98ft (30cm) black cable, 3 pin, IP67, Wet, 20 AWG

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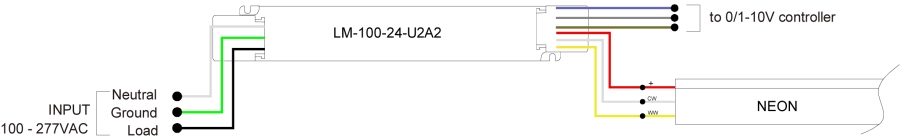
Drivers

0-10V dimmable

| Code           | Max Load | Input      | Output | Class 2 | With Junction Box | Environment | Size (L x W x H)                         |
|----------------|----------|------------|--------|---------|-------------------|-------------|------------------------------------------|
| LM-100-24-U2A2 | 100W     | 100-277VAC | 24V    | Yes     | No                | Dry         | 13.86 x 1.69 x 1.18in. (35.2x 4.3 x 3cm) |

Wiring Diagram

0-10V-dimmable



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24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

| Total load | 10 AWG            | 12 AWG           | 14 AWG           | 16 AWG          | 18 AWG          | 20 AWG          | 22 AWG          |
|------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| 5W / 0.2A  | 1730 ft (527.3 m) | 784 ft (238.9 m) | 397 ft (121.0 m) | 263 ft (80.2 m) | 175 ft (53.3 m) | 131 ft (39.9 m) | 107 ft (32.6 m) |
| 10W / 0.4A | 865 ft (263.6 m)  | 392 ft (119.4 m) | 199 ft (60.7 m)  | 132 ft (40.2 m) | 88 ft (26.8 m)  | 66 ft (20.1 m)  | 54 ft (16.5 m)  |
| 15W / 0.6A | 577 ft (175.9 m)  | 261 ft (79.6 m)  | 132 ft (40.2 m)  | 88 ft (26.8 m)  | 58 ft (17.7 m)  | 44 ft (13.4 m)  | 36 ft (11.0 m)  |
| 20W / 0.8A | 433 ft (132.0 m)  | 196 ft (59.7 m)  | 99 ft (30.2 m)   | 66 ft (20.1 m)  | 44 ft (13.4 m)  | 33 ft (10.1 m)  | 27 ft (8.2 m)   |
| 25W / 1.0A | 346 ft (105.5 m)  | 157 ft (47.9 m)  | 79 ft (24.1 m)   | 53 ft (16.2 m)  | 35 ft (10.7 m)  | 26 ft (7.9 m)   | 22 ft (6.7 m)   |
| 30W / 1.3A | 289 ft (88.1 m)   | 131 ft (39.9 m)  | 66 ft (20.1 m)   | 44 ft (13.4 m)  | 29 ft (8.8 m)   | 22 ft (6.7 m)   | 18 ft (5.5 m)   |
| 35W / 1.5A | 248 ft (75.6 m)   | 112 ft (34.1 m)  | 57 ft (17.4 m)   | 38 ft (11.6 m)  | 25 ft (7.6 m)   | 19 ft (5.8 m)   | 15 ft (4.6 m)   |
| 40W / 1.7A | 217 ft (66.1 m)   | 98 ft (29.9 m)   | 50 ft (15.2 m)   | 33 ft (10.1 m)  | 22 ft (6.7 m)   | 16 ft (4.9 m)   | 13 ft (4.0 m)   |
| 45W / 1.9A | 192 ft (58.5 m)   | 87 ft (26.5 m)   | 44 ft (13.4 m)   | 29 ft (8.8 m)   | 19 ft (5.8 m)   | 14 ft (4.3 m)   | 12 ft (3.7 m)   |
| 50W / 2.1A | 173 ft (52.7 m)   | 78 ft (23.8 m)   | 40 ft (12.2 m)   | 26 ft (7.9 m)   | 18 ft (5.5 m)   | 13 ft (4.0 m)   | 11 ft (3.4 m)   |
| 55W / 2.3A | 157 ft (47.9 m)   | 71 ft (21.6 m)   | 36 ft (11.0 m)   | 24 ft (7.3 m)   | 16 ft (4.9 m)   | 12 ft (3.7 m)   | 10 ft (3.0 m)   |
| 60W / 2.5A | 144 ft (43.9 m)   | 65 ft (19.8 m)   | 33 ft (10.1 m)   | 22 ft (6.7 m)   | 15 ft (4.6 m)   | 11 ft (3.4 m)   | 9 ft (2.7 m)    |
| 65W / 2.7A | 133 ft (40.5 m)   | 60 ft (18.3 m)   | 30 ft (9.1 m)    | 20 ft (6.1 m)   | 14 ft (4.3 m)   | 10 ft (3.0 m)   | 8 ft (2.4 m)    |
| 70W / 2.9A | 124 ft (37.8 m)   | 56 ft (17.1 m)   | 28 ft (8.5 m)    | 19 ft (5.8 m)   | 13 ft (4.0 m)   | 10 ft (3.0 m)   | 8 ft (2.4 m)    |
| 75W / 3.1A | 116 ft (35.4 m)   | 52 ft (15.9 m)   | 26 ft (7.9 m)    | 17 ft (5.2 m)   | 12 ft (3.7 m)   | 9 ft (2.7 m)    | 7 ft (2.1 m)    |
| 80W / 3.3A | 109 ft (33.2 m)   | 49 ft (14.9 m)   | 25 ft (7.6 m)    | 16 ft (4.9 m)   | 11 ft (3.4 m)   | 8 ft (2.4 m)    | 7 ft (2.1 m)    |
| 85W / 3.5A | 103 ft (31.4 m)   | 46 ft (14.0 m)   | 23 ft (7.0 m)    | 15 ft (4.6 m)   | 10 ft (3.0 m)   | 8 ft (2.4 m)    | 6 ft (1.8 m)    |
| 90W / 3.8A | 97 ft (29.6 m)    | 44 ft (13.4 m)   | 22 ft (6.7 m)    | 15 ft (4.6 m)   | 10 ft (3.0 m)   | 7 ft (2.1 m)    | 6 ft (1.8 m)    |
| 96W / 4.0A | 91 ft (27.7 m)    | 41 ft (12.5 m)   | 21 ft (6.4 m)    | 14 ft (4.3 m)   | 9 ft (2.7 m)    | 7 ft (2.1 m)    | 6 ft (1.8 m)    |