

## LINIO NEON 1220 SV BLACK

Outdoor · Horizontal Bending · Static White

### Features

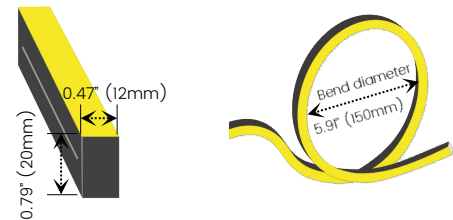
- Black finish for a refined, modern look
- Field cuttable & joinable
- Low voltage DC24V
- 50 lumen outputs
- IP67 rated, ideal for indoor and outdoor uses
- 5 years warranty



|              |               |
|--------------|---------------|
| Date         | Fixture type  |
| Project name | Project phase |



### Dimension



### Order Code

| Series    | Environment | Voltage    | Temp./Color | Power     |
|-----------|-------------|------------|-------------|-----------|
| LNI220SVB | W7          | Wet (IP67) | 24          | DC24V     |
|           |             |            | 27          | 2700K     |
|           |             |            | 30          | 3000K     |
|           |             |            | 35          | 3500K     |
|           |             |            | 40          | 4000K     |
|           |             |            | 152         | 1.52W/ft  |
|           |             |            | 305         | 3.05W/ft  |
|           |             |            | 457         | 4.57W/ft  |
|           |             |            |             | -50 lm/ft |
|           |             |            |             | -50 lm/ft |
|           |             |            |             | -50 lm/ft |

### Assembly Builder

| End Cap <sup>1</sup>                  | Left Feed Entry                             | Right Feed Entry                            | Illuminated Length <sup>2</sup> |
|---------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------|
| IJ Injected (IP67)                    | F Front OW Open wire 3.28'                  | F Front OW Open wire 3.28'                  | Max 88.6' -1.52W                |
| IJC Clear injected (IP67)             | B Bottom MC Male connector with 0.98' cable | B Bottom MC Male connector with 0.98' cable | 55.8' -3.05W                    |
| MEC1 Mechanical with screws (IP67)    | S Side FC Female connector with 0.98' cable | S Side FC Female connector with 0.98' cable | 45.9' -4.57W                    |
| MEC3 Mechanical without screws (IP67) | C Closed NA Only for Closed Feed Entry      | C Closed NA Only for Closed Feed Entry      | Increment 1.97'                 |

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

2. Production length = Illuminated length + End cap extension length (refer to below page for extension length of each end cap)

| Temp./Color                           | 1.52W/ft  | 3.05W/ft  | 4.57W/ft  |
|---------------------------------------|-----------|-----------|-----------|
| 2700K                                 | 18        | 35        | 50        |
| 3000K                                 | 19        | 36        | 51        |
| 3500K                                 | 21        | 38        | 53        |
| 4000K                                 | 23        | 39        | 56        |
| Max. Run for Class 2 Low Voltage (ft) | 50.5      | 25.2      | 16.8      |
| Max. Run for Mechanical end cap (ft)  | 65.6      | 32.8      | 21.6      |
| Max. Run Length (ft)                  | 88.6      | 55.8      | 45.9      |
| Storage Temperature                   | -13-140°F | -13-140°F | -13-140°F |
| Ambient Temperature                   | -13-131°F | -13-113°F | -13-113°F |

### Technical Details

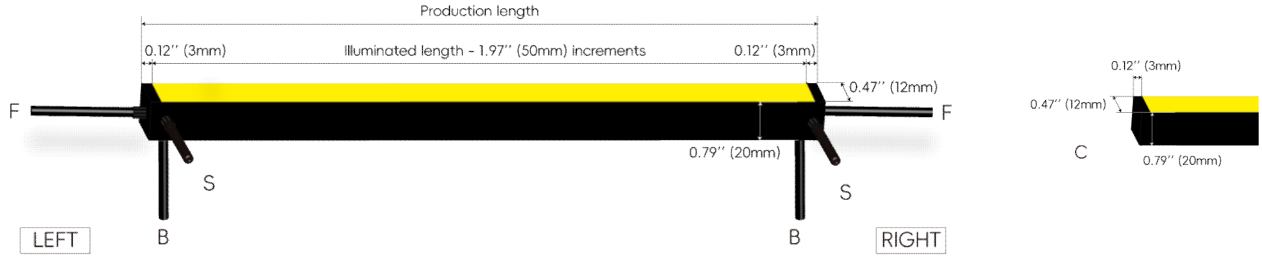
|                      |                       |
|----------------------|-----------------------|
| Efficacy             | 12.8lm/W @4000K 3.05W |
| CRI                  | Ra ≥ 90               |
| Beam Angle           | 120°                  |
| LED MacAdam          | 2 steps               |
| Life (L70)           | > 102,000 hours       |
| Max. Length Per Reel | 98.4' (30M)           |
| Finish               | Matte                 |

## LINIO NEON 1220 SV BLACK

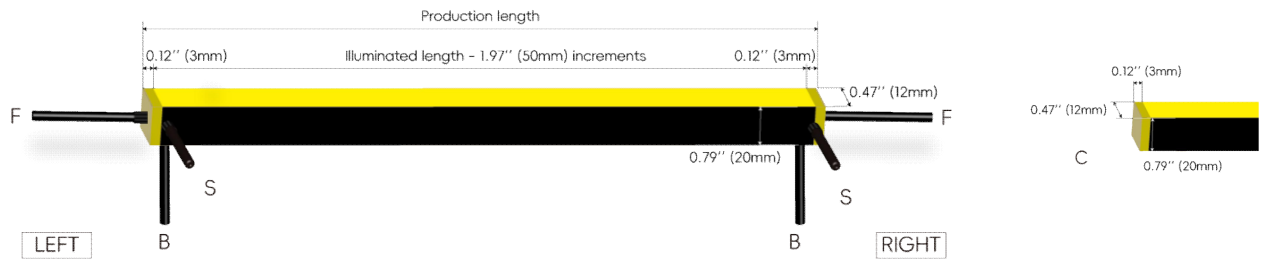
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### Feed Entry / End Cap Options

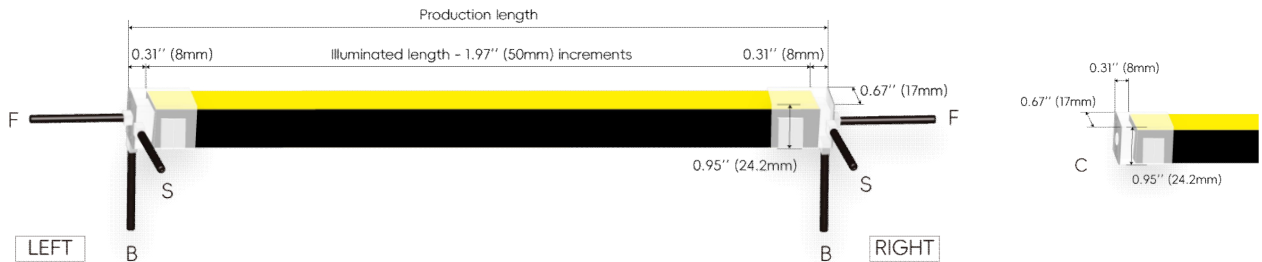
**IJ:** Injected end cap – IP67, factory-made only



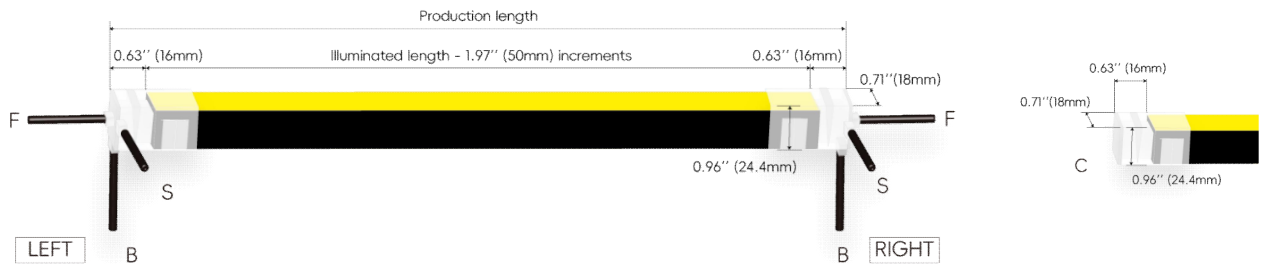
**IJC:** Clear injected end cap – IP67, factory-made only



**MEC1:** Mechanical end cap with screws – IP67



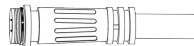
**MEC3:** Mechanical end cap without screws – IP67



### Connector Wire Options



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



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

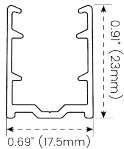


**FC:** Female connector, **Wet**  
Standard 0.98' (30cm), 20 AWG

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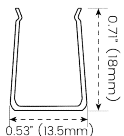
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Mounting Options



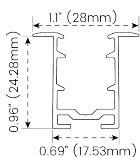
LINI220B-SC

|                 |                          |
|-----------------|--------------------------|
| Name            | Straight surface channel |
| Material        | Aluminum                 |
| Standard Length | 3.28' (1M)               |



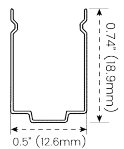
LINI220B-BC

|                 |                          |
|-----------------|--------------------------|
| Name            | Bendable surface channel |
| Material        | Aluminum                 |
| Standard Length | 3.28' (1M)               |



LINI220B-RC

|                 |                           |
|-----------------|---------------------------|
| Name            | Straight recessed channel |
| Material        | Aluminum                  |
| Standard Length | 3.28' (1M)                |



LINI220B-CL

|                 |                 |
|-----------------|-----------------|
| Name            | Mounting clip   |
| Material        | Stainless Steel |
| Standard Length | 0.79' (20MM)    |

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## Drivers

### Non-dimmable

| Code         | Max Load | Input      | Output | Dimmable | Class 2 | Environment  | Size (L *W *H)       |
|--------------|----------|------------|--------|----------|---------|--------------|----------------------|
| KV-24030-ASW | 30W      | 100-277VAC | 24V    | No       | Yes     | Dry/Damp     | 6.10" *2.12" *0.78"  |
| KV-24060-ASW | 60W      | 100-277VAC | 24V    | No       | Yes     | Dry/Damp     | 7.00" *2.40" *0.94"  |
| KV-24096-ASW | 96W      | 100-277VAC | 24V    | No       | Yes     | Dry/Damp/Wet | 9.05" *2.75" *1.69"  |
| KV-24150-ASW | 150W     | 100-277VAC | 24V    | No       | No      | Dry/Damp/Wet | 10.07" *3.07" *1.85" |
| KV-24200-ASW | 200W     | 100-277VAC | 24V    | No       | No      | Dry/Damp/Wet | 10.07" *3.07" *1.85" |
| KV-24300-ASW | 300W     | 100-277VAC | 24V    | No       | No      | Dry/Damp/Wet | 10.86" *3.07" *1.85" |

### Phase cut/Triac-dimmable

| Code          | Max Load | Input      | Output | Dimmable | Class 2 | Environment  | Size (L *W *H)       |
|---------------|----------|------------|--------|----------|---------|--------------|----------------------|
| KVF-24030-TDW | 30W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 6.10" *2.12" *0.78"  |
| KVF-24060-TDW | 60W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 7.00" *2.40" *0.94"  |
| KVF-24096-TDW | 96W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp/Wet | 9.05" *2.75" *1.69"  |
| KVF-24150-TDW | 150W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.00" *3.07" *1.85" |
| KVF-24200-TDW | 200W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.00" *3.07" *1.85" |
| KVF-24300-TDW | 300W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.87" *3.07" *1.85" |

### 4 in 1-dimmable (0-10V/1-10V/Potentiometer/10V PWM)

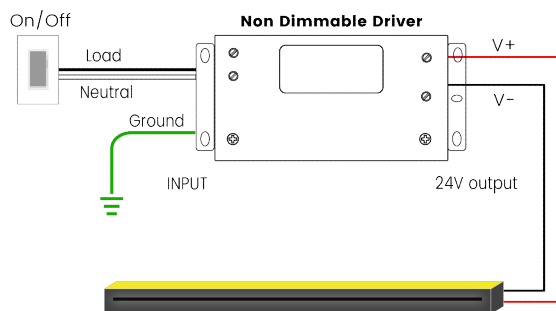
| Code          | Max Load | Input      | Output | Dimmable | Class 2 | Environment  | Size (L *W *H)       |
|---------------|----------|------------|--------|----------|---------|--------------|----------------------|
| KVD-24030-DIM | 30W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 6.10" *2.12" *0.78"  |
| KVD-24060-DIM | 60W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 7.00" *2.40" *0.94"  |
| KVD-24096-DIM | 96W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp/Wet | 9.05" *2.75" *1.69"  |
| KVD-24150-DIM | 150W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.08" *3.07" *1.85" |
| KVD-24200-DIM | 200W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 13.38" *3.07" *1.85" |
| KVD-24300-DIM | 300W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.87" *3.07" *1.89" |

### 5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)

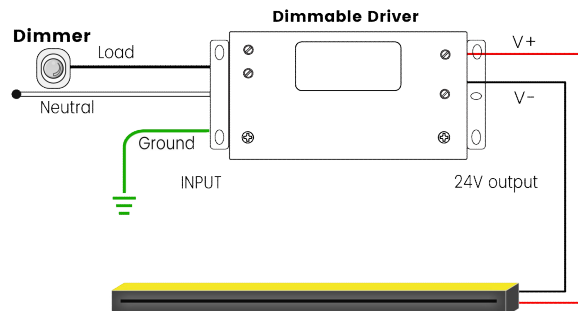
| Code         | Max Load | Input      | Output | Dimmable | Class 2 | Environment  | Size (L *W *H)       |
|--------------|----------|------------|--------|----------|---------|--------------|----------------------|
| KVG-24030-DW | 30W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 6.10" *2.13" *0.79"  |
| KVG-24060-DW | 60W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 7.00" *2.41" *0.94"  |
| KVG-24096-DW | 96W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp/Wet | 9.06" *2.76" *1.69"  |
| KVG-24150-DW | 150W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.08" *3.07" *1.85" |
| KVG-24200-DW | 200W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.08" *3.07" *1.85" |
| KVG-24300-DW | 300W     | 100-277VAC | 24V    | Yes      | No      | Dry/Damp/Wet | 10.87" *3.07" *1.89" |

## Wiring Diagram

### Non-dimmable



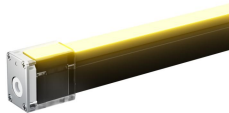
### Triac-Dimmable



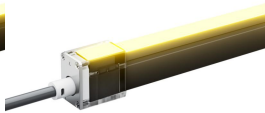
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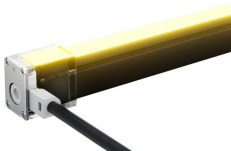
Connectors (Optional, purchase for extra)



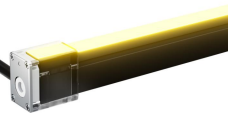
**LNI220-MEC1-C**  
Mechanical closed end cap with screws



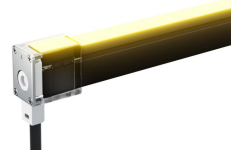
**LNI220-MEC1-F-2P**  
Mechanical end cap with screws, front entry with 0.98' (30cm) cable, 2 pin



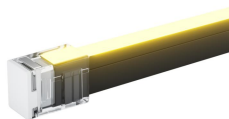
**LNI220-MEC1-LS-2P**  
Mechanical end cap with screws, left side entry with 0.98' (30cm) cable, 2 pin



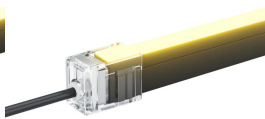
**LNI220-MEC1-RS-2P**  
Mechanical end cap with screws, right side entry with 0.98' (30cm) cable, 2 pin



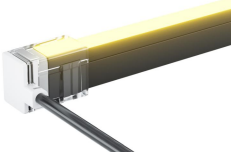
**LNI220-MEC1-B-2P**  
Mechanical end cap with screws, bottom entry with 0.98' (30cm) cable, 2 pin



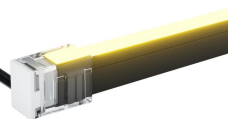
**LNI220-MEC3-C**  
Mechanical closed end cap without screws



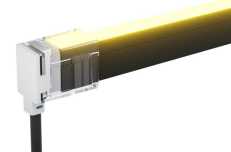
**LNI220-MEC3-F-2P**  
Mechanical end cap without screws, front entry with 0.98' (30cm) cable, 2 pin



**LNI220-MEC3-LS-2P**  
Mechanical end cap without screws, left side entry with 0.98' (30cm) cable, 2 pin



**LNI220-MEC3-RS-2P**  
Mechanical end cap without screws, right side entry with 0.98' (30cm) cable, 2 pin



**LNI220-MEC3-B-2P**  
Mechanical end cap without screws, bottom entry with 0.98' (30cm) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



**MCW-2P-67**  
Male connector with 0.98' (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



**FCW-2P-67**  
Female connector with 0.98' (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



**MCB-2P-67**  
Male connector with 0.98' (30cm) black cable, 2 pin, IP67, Wet, 20 AWG



**FCB-2P-67**  
Female connector with 0.98' (30cm) black cable, 2 pin, IP67, Wet, 20 AWG