

LINIO NEON 1220 SV RGB Outdoor · Horizontal Bending · RGB

Features

- Max run length up to 42.6ft (13m) from single power feed
- Field cuttable & joinable
- Low voltage DC24V
- 50 lumen outputs
- IP67 rated, ideal for indoor and outdoor uses
- 5 years warranty



Date

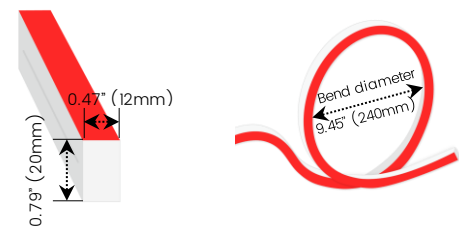
Fixture type

Project name

Project phase



Dimension



Order Code

Series	Environment	Voltage	Temp./Color	Power
LN1220SV	W7 Wet (IP67)	24 DC24V	RGB RGB	335 3.35W/ft ~50 lm/ft

Assembly Builder

End Cap ¹	Left Feed Entry	Right Feed Entry	Illuminated Length ²
IJ Injected (IP67)	F Front OW Open wire 3.28'	F Front OW Open wire 3.28'	Max. 42.6' ~3.35W
IJC Clear injected (IP67)	B Bottom MC Male connector with 0.98' cable	B Bottom MC Male connector with 0.98' cable	Increment 4.92'
SEC Silicone (IP67)	S Side FC Female connector with 0.98' cable	S Side FC Female connector with 0.98' cable	
MEC1 Mechanical with screws (IP67)	C Closed NA Only for Closed Feed Entry	C Closed NA Only for Closed Feed Entry	
MEC3 Mechanical without screws (IP67)			

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	3.35W/ft
R	7
G	37
B	5
RGB	49
Max. Run for Class 2 Low Voltage (ft)	19.7
Max. Run for Mechanical end cap (ft)	21.3
Max. Run Length (ft)	42.6
Storage Temperature	-13-140°F
Ambient Temperature	-13-113°F

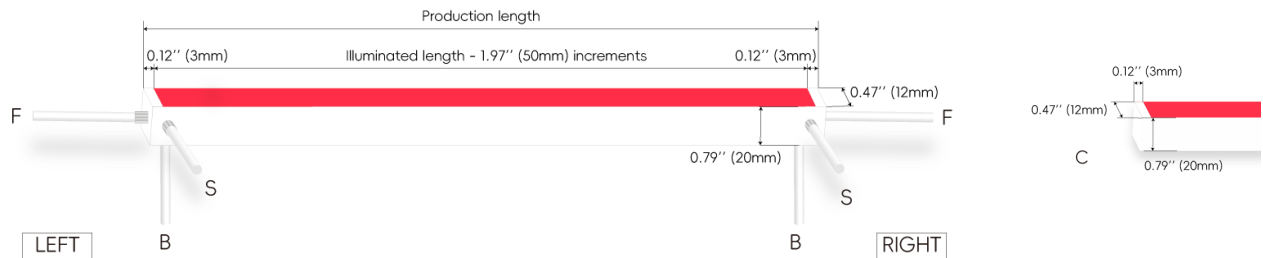
Technical Details

Efficacy	14.6lm/W @RGB 3.35W
Beam Angle	120°
Life (L70)	> 30,000 hours
Max. Length Per Reel	98.4' (30M)
Finish	Matte

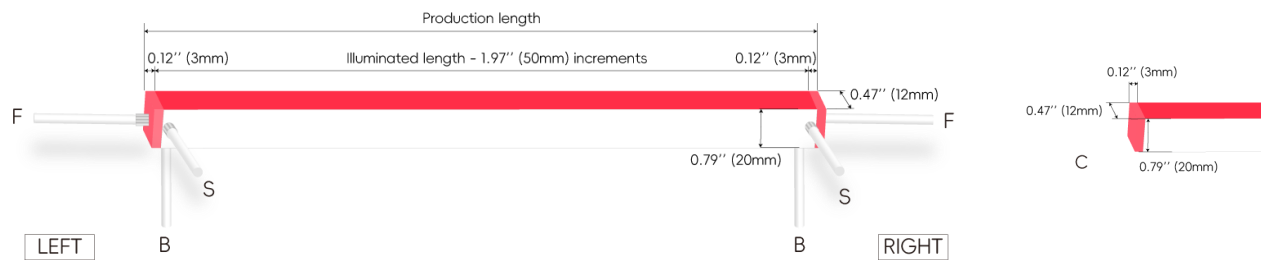
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Feed Entry / End Cap Options

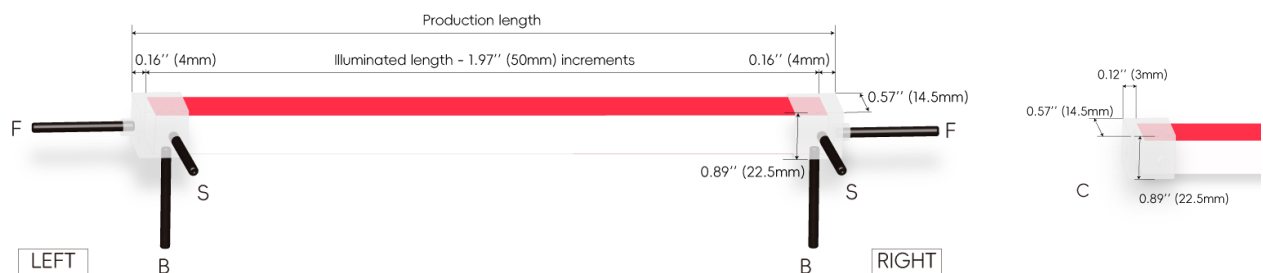
IJ: Injected end cap – IP67, factory-made only



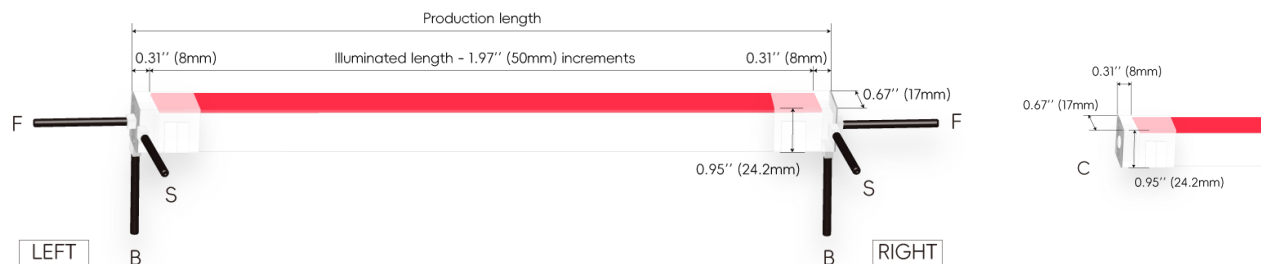
IJC: Clear injected end cap – IP67, factory-made only



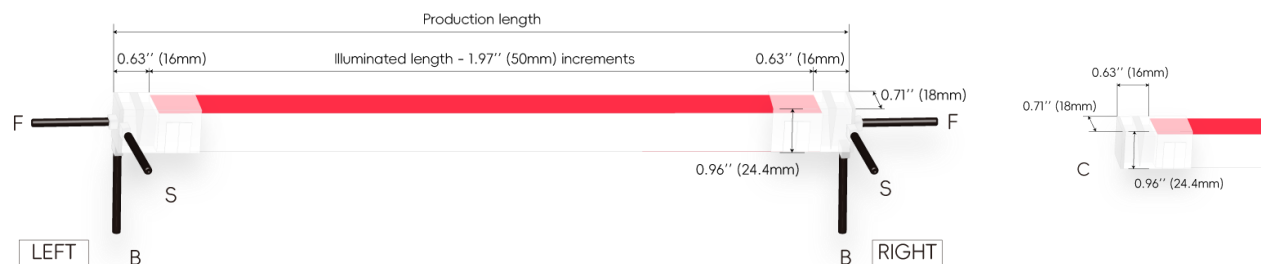
SEC: Silicone end cap – IP67



MEC1: Mechanical end cap with screws – IP67



MEC3: Mechanical end cap without screws – IP67



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Connector Wire Options



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

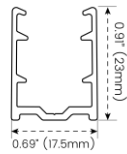


MCW: White male connector, **Wet**
Standard 0.98' (30cm), 20 AWG



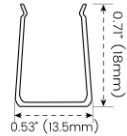
FCW: White female connector, **Wet**
Standard 0.98' (30cm), 20 AWG

Mounting Options



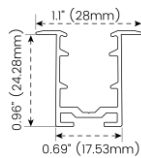
LN1220-SC

Name Straight surface channel
Material Aluminum
Standard Length 3.28' (1m)



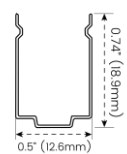
LN1220-BC

Name Bendable surface channel
Material Aluminum
Standard Length 3.28' (1m)



LN1220-RC

Name Straight recessed channel
Material Aluminum
Standard Length 3.28' (1m)



LN1220-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"

DMX512-dimmable

Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KVX-24096-3C-A	96W	100-277VAC	24V	Yes	Yes	Dry/Damp/Wet	9.05" *3.07" *0.98"
KVX-24150-3C-A	150W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.90" *3.07" *0.98"
KVX-24200-3C-A	200W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.90" *3.07" *0.98"
KVX-24300-3C-A	300W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	11.85" *3.07" *0.98"

DMX Decoders

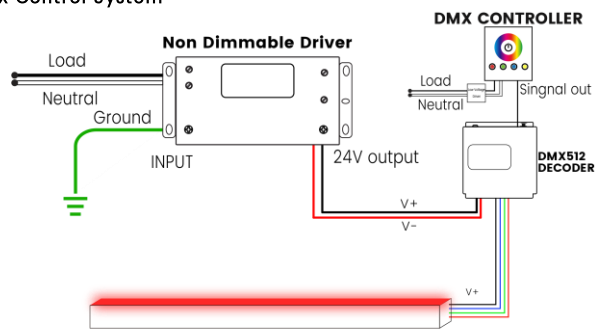
Code	Description
LT-903	3 channels output, up to 576W output power
LT-912	12 channels output, up to 1152W output power
LT-924	24 channels output, up to 1728W output power

Controllers

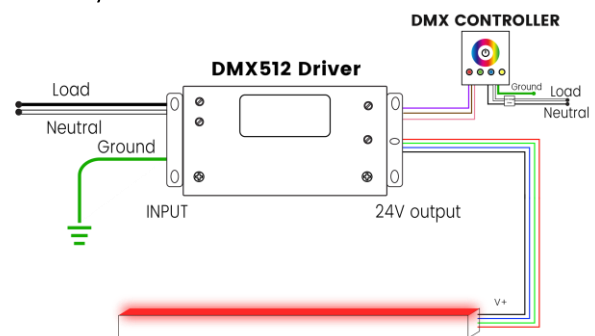
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons

Wiring Diagram

DMX Control System



DMX Driver System



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Connectors (Optional, purchase for extra)



LN1220-SEC-C
Silicone closed end cap



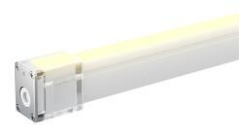
LN1220-SEC-F-4P
Silicone end cap front entry with 0.98' (30cm) cable, 4 pin



LN1220-SEC-S-4P
Silicone end cap side entry with 0.98' (30cm) cable, 4 pin



LN1220-SEC-B-4P
Silicone end cap bottom entry with 0.98' (30cm) cable, 4 pin



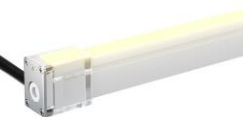
LN1220-MEC1-C
Mechanical closed end cap with screws



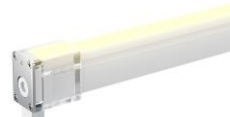
LN1220-MEC1-F-4P
Mechanical end cap with screws, front entry with 0.98' (30cm) cable, 4 pin



LN1220-MEC1-LS-4P
Mechanical end cap with screws, left side entry with 0.98' (30cm) cable, 4 pin



LN1220-MEC1-RS-4P
Mechanical end cap with screws, right side entry with 0.98' (30cm) cable, 4 pin



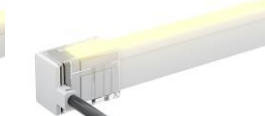
LN1220-MEC1-B-4P
Mechanical end cap with screws, bottom entry with 0.98' (30cm) cable, 4 pin



LN1220-MEC3-C
Mechanical closed end cap without screws



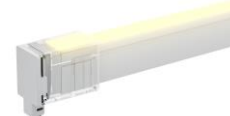
LN1220-MEC3-F-4P
Mechanical end cap without screws, front entry with 0.98' (30cm) cable, 4 pin



LN1220-MEC3-LS-4P
Mechanical end cap without screws, left side entry with 0.98' (30cm) cable, 4 pin



LN1220-MEC3-RS-4P
Mechanical end cap without screws, right side entry with 0.98' (30cm) cable, 4 pin



LN1220-MEC3-B-4P
Mechanical end cap without screws, bottom entry with 0.98' (30cm) cable, 4 pin

Additional Accessories (Optional, purchase for extra)



MCW-4P-67
Male connector with 0.98' (30cm) white cable, 4 pin, IP67, Wet, 20 AWG



FCW-4P-67
Female connector with 0.98' (30cm) white cable, 4 pin, IP67, Wet, 20 AWG



MCB-4P-67
Male connector with 0.98' (30cm) black cable, 4 pin, IP67, Wet, 20 AWG



FCB-4P-67
Female connector with 0.98' (30cm) black cable, 4 pin, IP67, Wet, 20 AWG