

LINIO NEON 1220 SV PIXEL RGBW

Outdoor · Horizontal Bending · Pixel RGBW

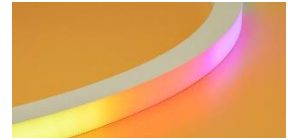
Features

- Addressable dynamic color, 2 pixels/ft
- Field cuttable & joinable
- Low voltage DC24V
- 50 lumen outputs
- IP67 rated, ideal for indoor and outdoor uses
- 5 years warranty

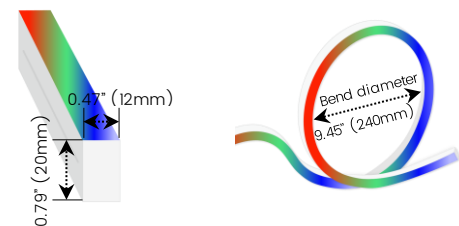


Date _____ Fixture type _____

Project name _____ Project phase _____



Dimension



Order Code

Series	Environment	Voltage	Temp./Color	Power
LN1220SV	W7 Wet (IP67)	24 DC24V	PRGBW27 Pixel RGBW (W=2700K) PRGBW30 Pixel RGBW (W=3000K) PRGBW35 Pixel RGBW (W=3500K) PRGBW40 Pixel RGBW (W=4000K) PRGBW53 Pixel RGBW (W=5300K)	427 4.27W/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. 16.4' ~4.27W
IJC Clear injected (IP67)	B Bottom PMC Male connector with 0.98' cable	B Bottom PMC Male connector with 0.98' cable	Increment 4.92'
SEC Silicone (IP67)	S Side PFC Female connector with 0.98' cable	S Side PFC 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	4.27W/ft
R	9
G	21
B	5
W27	21
W30	22
W35	22
W40	23
W53	22
RGBW27	55
RGBW30	56
RGBW35	55
RGBW40	57
RGBW53	56
Max. Run for Class 2 Low Voltage (ft)	16.4
Max. Run Length (ft)	16.4
Storage Temperature	-13-140°F
Ambient Temperature	-13-113°F

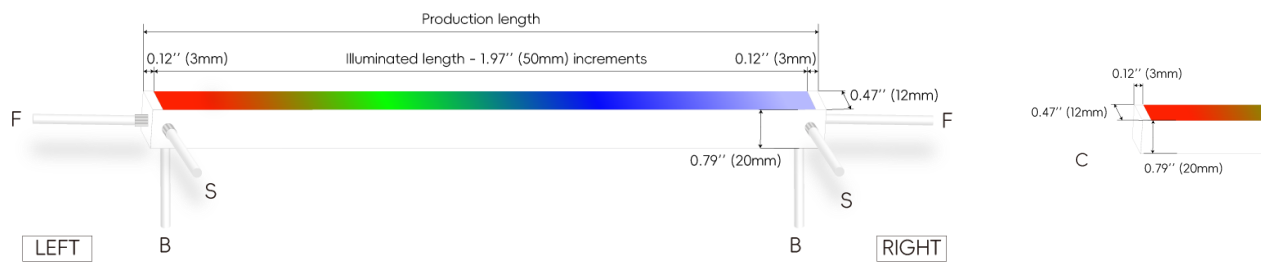
Technical Details

Efficacy	13.1lm/W @RGBW30 4.27W
CRI	Ra ≥ 80
Beam Angle	120°
Life (L70)	> 30,000 hours
Max. Length Per Reel	16.4' (5M)
Dimming	DMX
IC Type	UCS512CL
Pixel/ft	2
Finish	Matte

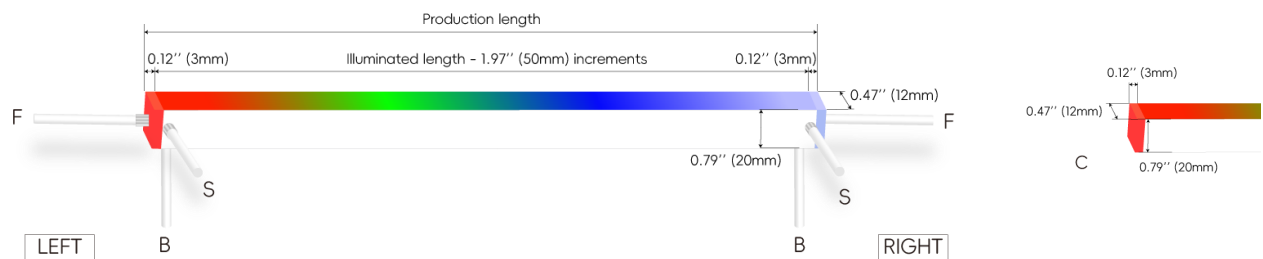
Feed Entry / End Cap Options

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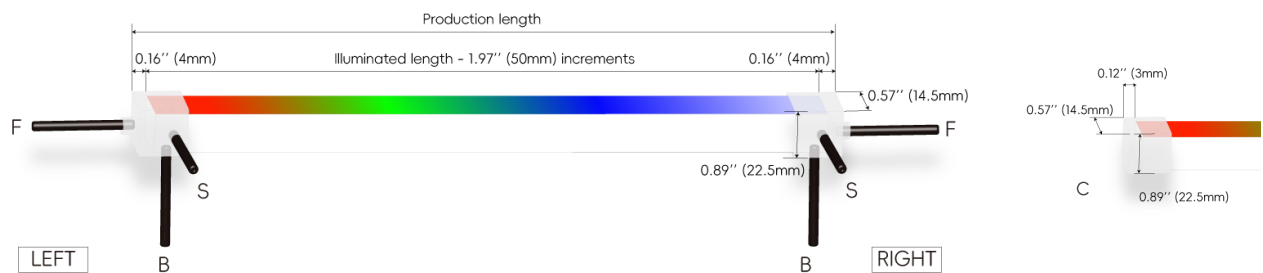
IJ: Injected end cap – IP67, factory-made only



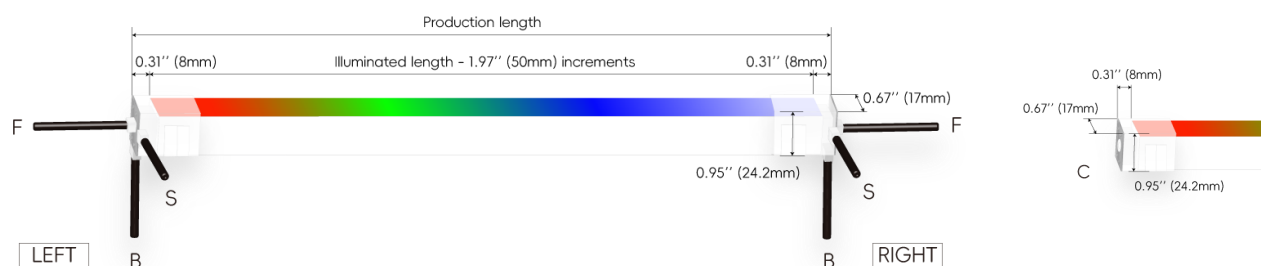
IJC: Clear injected end cap – IP67, factory-made only



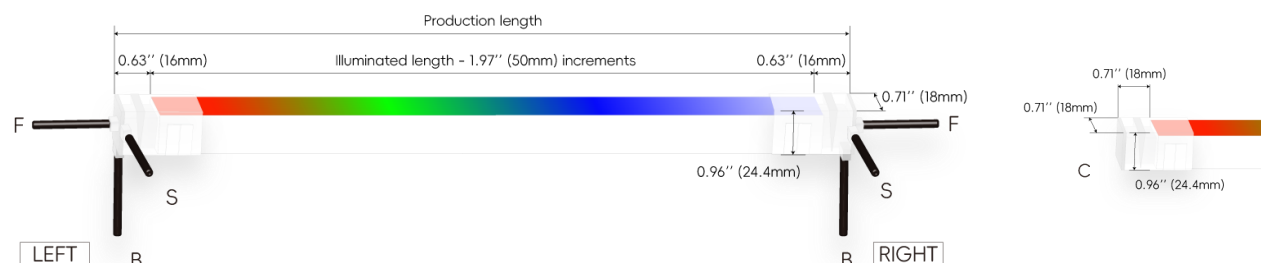
SEC: Silicone end cap – IP67



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)

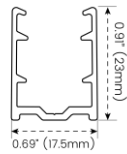


PMC: Male connector, **Wet**
Standard 0.98' (30cm), 22 AWG



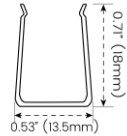
PFC: Female connector, **Wet**
Standard 0.98' (30cm), 22 AWG

Mounting Options



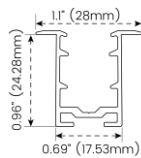
LN1220-SC

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



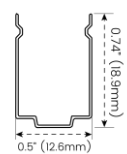
LN1220-BC

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"

DMX Decoders

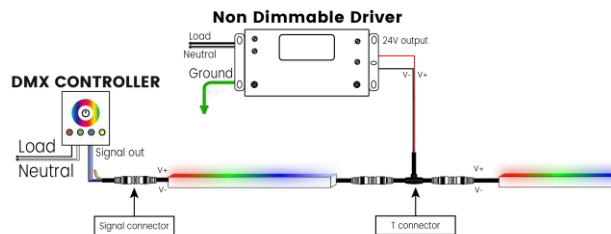
Code	Description
LT-904	4 channels output, up to 576W output power
LT-916	16 channels output, up to 1152W output power
LT-932	32 channels output, up to 2304W output power

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

Dimmable



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Connectors (Optional, purchase for extra)



LN1220-SEC-C
Silicone closed end cap



LN1220-SEC-F-5P
Silicone end cap front entry with 0.98' (30cm) cable, 5 pin



LN1220-SEC-S-5P
Silicone end cap side entry with 0.98' (30cm) cable, 5 pin



LN1220-SEC-B-5P
Silicone end cap bottom entry with 0.98' (30cm) cable, 5 pin



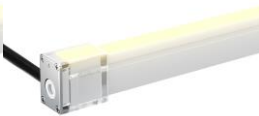
LN1220-MEC1-C
Mechanical closed end cap with screws



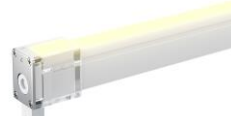
LN1220-MEC1-F-5P
Mechanical end cap with screws, front entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC1-LS-5P
Mechanical end cap with screws, left side entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC1-RS-5P
Mechanical end cap with screws, right side entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC1-B-5P
Mechanical end cap with screws, bottom entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC3-C
Mechanical closed end cap without screws



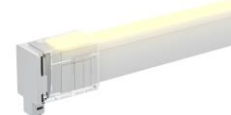
LN1220-MEC3-F-5P
Mechanical end cap without screws, front entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC3-LS-5P
Mechanical end cap without screws, left side entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC3-RS-5P
Mechanical end cap without screws, right side entry with 0.98' (30cm) cable, 5 pin



LN1220-MEC3-B-5P
Mechanical end cap without screws, bottom entry with 0.98' (30cm) cable, 5 pin

Additional Accessories (Optional, purchase for extra)



PMCW-5P-67
Male connector with 0.98' (30cm) white cable, 5 pin, IP67, Wet, 22 AWG



PFCW-5P-67
Female connector with 0.98' (30cm) white cable, 5 pin, IP67, Wet, 22 AWG



PMCB-5P-67
Male connector with 0.98' (30cm) black cable, 5 pin, IP67, Wet, 22 AWG



PFCB-5P-67
Female connector with 0.98' (30cm) black cable, 5 pin, IP67, Wet, 22 AWG



SC-5P-67
Signal connector, 5 pin, IP67, Wet, standard 20' (6m), **customizable**



MSC-5P-67
Male signal connector, 5 pin, IP67, Wet, standard 20' (6m), **customizable**



FSC-5P-67
Female signal connector, 5 pin, IP67, Wet, standard 20' (6m), **customizable**



NC-5P-67
Network signal connector, 5 pin, IP67, Wet, standard 20' (6m), **customizable**



MFTCB-5P-67
Male and female T-shaped connector with black cable, 5 pin, IP67, Wet