

LINIO NEON 1220 SV Outdoor · Horizontal Bending · Static White

Features

- Max run length up to 88.6ft (27m) from single power feed
- Field cuttable & joinable
- Low voltage DC24V
- 50-100 lumen outputs
- IP67 rated, ideal for indoor and outdoor uses
- 5 years warranty



Date

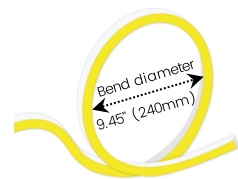
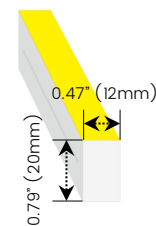
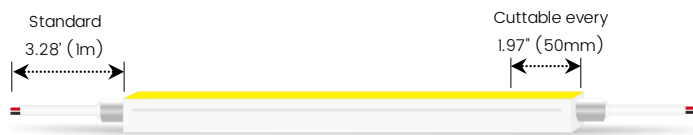
Fixture type

Project name

Project phase



Dimension



Order Code

Series	Environment	Voltage	Temp./Color	Power
LN1220SV	W7 Wet (IP67)	24 DC24V	27 2700K 30 3000K 35 3500K 40 4000K	152 1.52W/ft ~50 lm/ft 305 3.05W/ft ~100 lm/ft 457 4.57W/ft ~100 lm/ft

Assembly Builder

End Cap¹	Left Feed Entry	Right Feed Entry	Illuminated Length²
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
SEC Silicone (IP67)	S Side FC Female connector with 0.98' cable	S Side FC Female connector with 0.98' cable	39.4' ~4.57W
MEC1 Mechanical with screws (IP67)	C Closed NA Only for Closed Feed Entry	C Closed NA Only for Closed Feed Entry	Increment 1.97'
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	1.52W/ft	3.05W/ft	4.57W/ft
2700K	47	91	128
3000K	48	93	130
3500K	49	96	133
4000K	51	101	137
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	39.4
Storage Temperature	-13-140°F	-13-140°F	-13-140°F
Ambient Temperature	-13-131°F	-13-113°F	-13-113°F

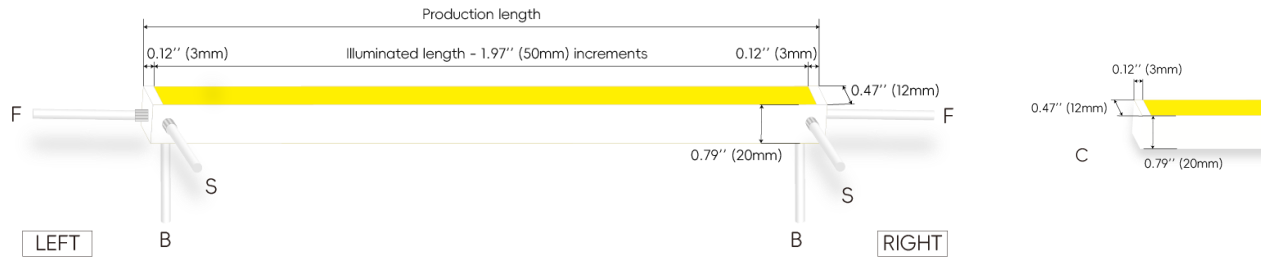
Technical Details

Efficacy	33.1lm/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

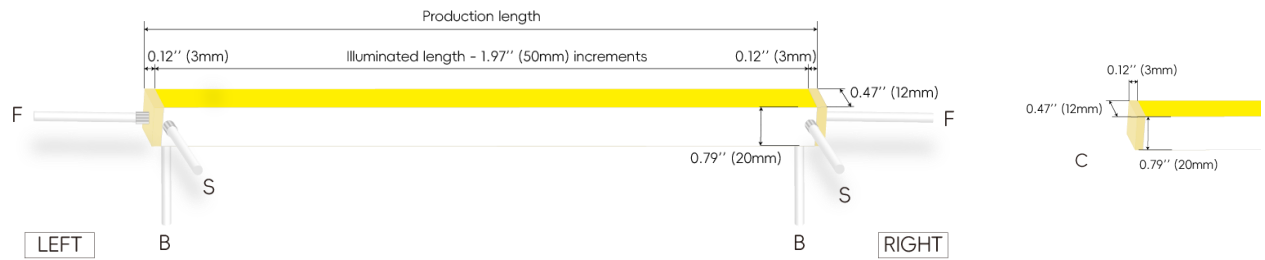
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Feed Entry / End Cap Options

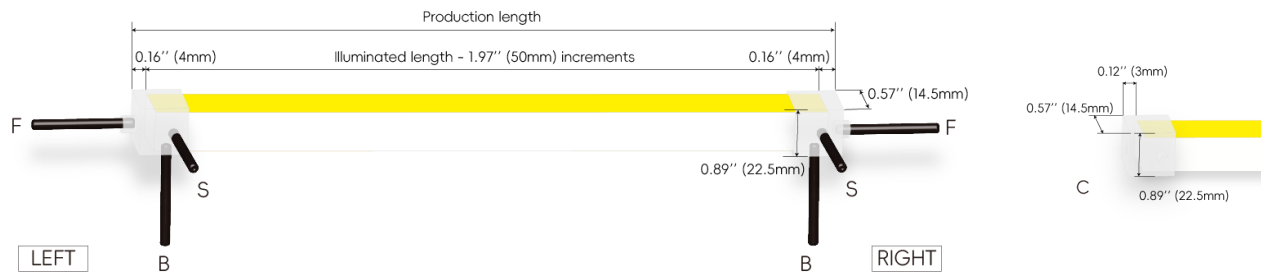
IJ: Injected end cap – IP67, factory-made only



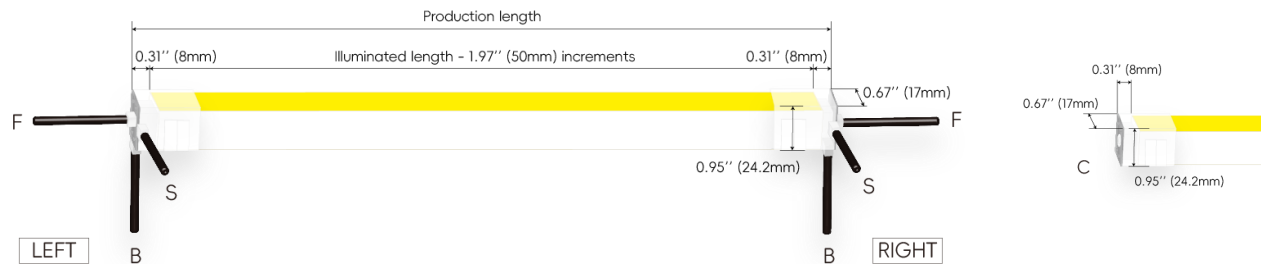
IJC: Clear injected end cap – IP67, factory-made only



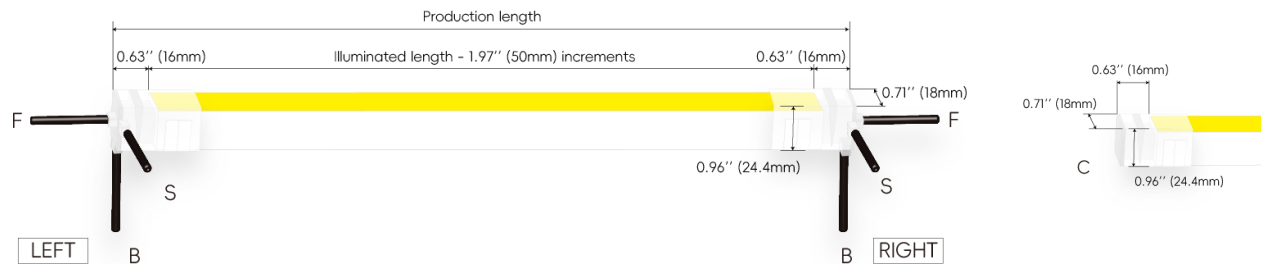
SEC: Silicone end cap – IP67



MEC1: Mechanical end cap with screws – IP67



MEC3: Mechanical end cap without screws – IP67



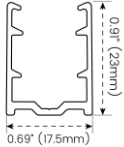
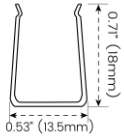
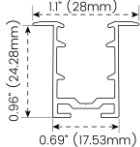
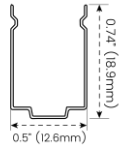
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Connector Wire Options

		
OW: Open wire, Dry only Standard 3.28' (1m), 20 AWG (wire length customizable)	MC: Male connector, Wet Standard 0.98' (30cm), 20 AWG	FC: 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"

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)

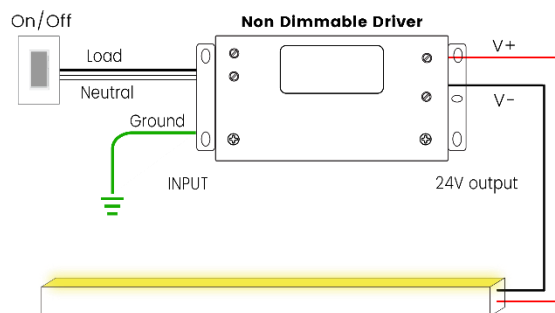
Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.10" *2.12" *0.78"
KVD-24060-DIM	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.01" *2.40" *0.94"
KVD-24096-DIM	96W	100-277VAC	24V	Yes	Yes	Dry/Damp/Wet	9.05" *2.75" *1.69"
KVD-24150-DIM	150W	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" *11.02" *7.28"
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)

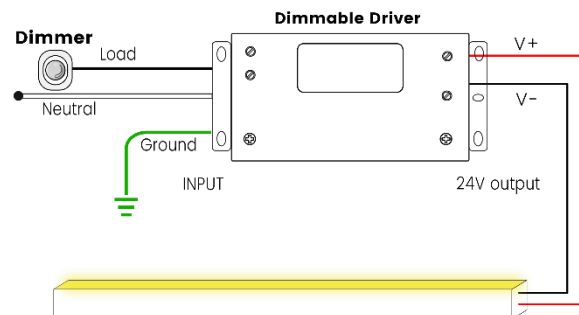
Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.10" *2.13" *0.79"
KVG-24060-DW	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.01" *2.41" *0.94"
KVG-24096-DW	96W	100-277VAC	24V	Yes	Yes	Dry/Damp/Wet	9.06" *2.76" *1.69"
KVG-24150-DW	150W	100-277VAC	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



Dimmable



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Connectors (Optional, purchase for extra)



LN1220-SEC-C
Silicone closed end cap



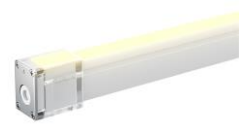
LN1220-SEC-F-2P
Silicone end cap front entry with 0.98' (30cm) cable, 2 pin



LN1220-SEC-S-2P
Silicone end cap side entry with 0.98' (30cm) cable, 2 pin



LN1220-SEC-B-2P
Silicone end cap bottom entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC1-C
Mechanical closed end cap with screws



LN1220-MEC1-F-2P
Mechanical end cap with screws, front entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC1-LS-2P
Mechanical end cap with screws, left side entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC1-RS-2P
Mechanical end cap with screws, right side entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC1-B-2P
Mechanical end cap with screws, bottom entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC3-C
Mechanical closed end cap without screws



LN1220-MEC3-F-2P
Mechanical end cap without screws, front entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC3-LS-2P
Mechanical end cap without screws, left side entry with 0.98' (30cm) cable, 2 pin



LN1220-MEC3-RS-2P
Mechanical end cap without screws, right side entry with 0.98' (30cm) cable, 2 pin



LN1220-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