

LINIO NEON 0408X SV TW

Horizontal Bending · Tunable White

Features

- 0.16in. slim profile & Tunable white from 2700K to 6000K
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

Applications

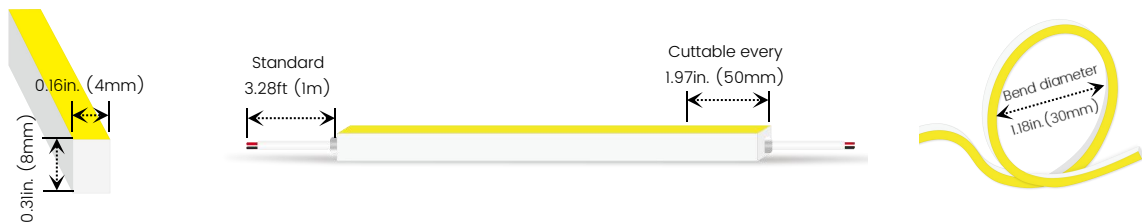
Under cabinets, niches, shelves, closets, millwork, furnitures, etc.

Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
LN0408XSV	W5-Wet (IP65)	24-DC24V	2760-2700K+6000K	183-1.83W/ft	IJ Injected (IP54) IJC Clear injected (IP54) SEC Silicone (IP65)	F Front OW Open wire 3.28ft (1m) C Closed MC Male connector with 0.98ft (30cm) cable FC Female connector with 0.98ft (30cm) cable NA Only for Closed Feed Entry

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

Assembly Builder

Right Feed Entry				Length	
F Front	OW	Open wire 3.28ft (1m)		Max. nominal	16.4ft (5m)
C Closed	MC	Male connector with 0.98ft (30cm) cable		Increment	1.97in. (50mm)
	FC	Female connector with 0.98ft (30cm) cable			
	NA	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	1.83W/ft
2700K	49
6000K	50
2700K+6000K	49
Max. Run for Class 2	16.4ft (5m)

Technical Details

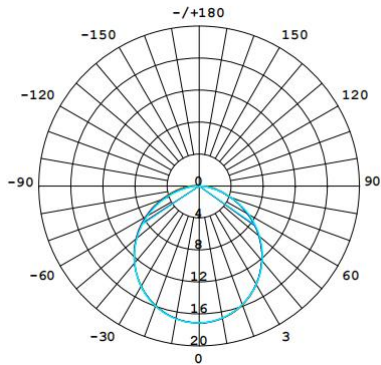
Efficacy	26.8lm/W @2700K+6000K 1.83W
CRI	Ra ≥ 90
Beam Angle	110°
LED MacAdam	3 steps
IK Rating	IK07
Average Life (L70)	> 47,000 hours
Storage Temperature	-40~140°F (-40°C~ 60°C)
Operating Temperature	-40~131°F (-40°C~ 55°C)

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Photometry

LN0408XSV-W5-24-2760-183-IJ-F-OW-F-OW
LINIO NEON 0408X SV, Horizontal Bend, Tunable White, 2700K, 1.83W/ft



AVERAGE BEAM ANGLE(50%):111.1 DEG

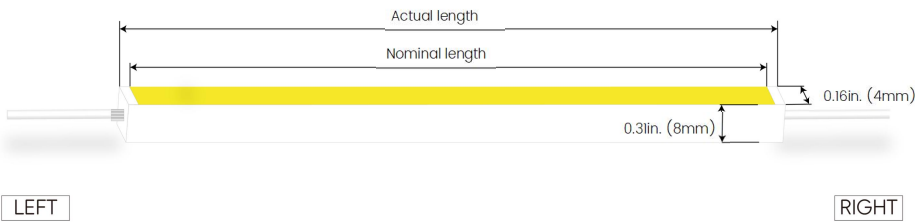
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	13.2	27.2%
0-40	21.6	44.2%
0-60	38.1	77.8%
0-90	48.6	99.2%
0-180	49	100%

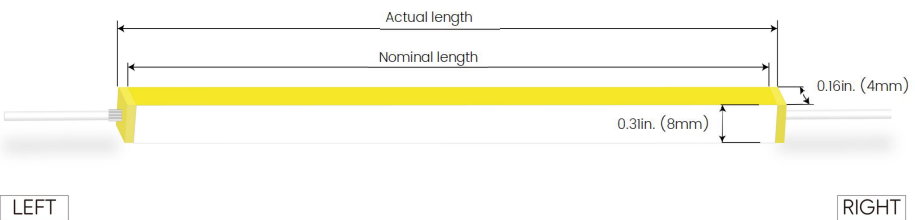
UNIT: CD
— C0/180, 111.3
— C30/210, 110.9
— C60/240, 111.0
— C90/270, 111.1

Feed Entry / End Cap Options

IJC: Injected end cap – IP54, factory-made only



IJC: Clear injected end cap – IP54, factory-made only



SEC: Silicone end cap – IP65



Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28ft (1m), 18 AWG (wire length customizable)

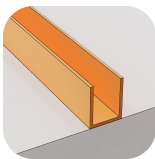
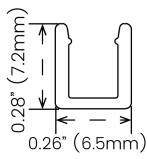
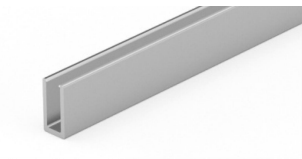
MC: Male connector, 2pin, 24AWG, IP20, 0.66ft(20cm)

FC: Female connector, 2pin, 24AWG, IP20, 0.66ft(20cm)

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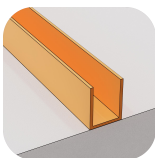
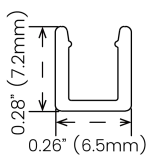
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Mounting Options



LN0408-SC

Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1M)



LN0408-CL

Name	Mounting clip
Material	Aluminum
Standard Length	0.59in. (15mm)

End Caps (Optional, purchase for extra)



LN0408-SEC-C

Silicone closed end cap

LN0408-SEC-F-2P

Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MC-2P-20

Male connector with 0.66ft (20cm) 2pin, IP20, 24AWG



FC-2P-20

Female connector with 0.66ft (20cm) 2pin, IP20, 24AWG

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Drivers

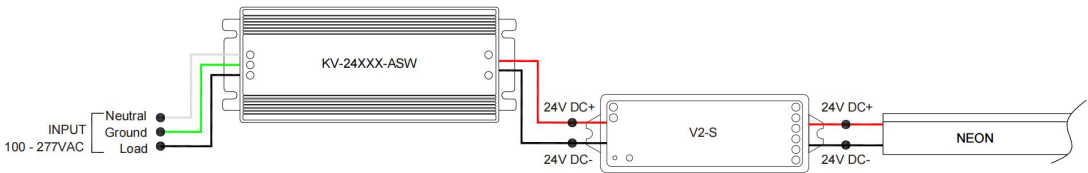
Non-dimmable						
Code	Max Load	Input	Output	Class 2	Environment	Size (L x W x H)
KV-24030-ASW	30W	100-277VAC	24V	Yes	Dry/Damp	6.10 x 2.12 x 0.78 (15.49 x 5.38 x 1.98 cm)
KV-24060-ASW	60W					7.00 x 2.40 x 0.94 (17.78 x 6.10 x 2.38 cm)
KV-24096-ASW	96W				Dry/Damp/Wet	9.05 x 2.75 x 1.69 (22.97 x 6.99 x 4.29 cm)
KV-24150-ASW	150W			NO		10.07 x 3.07 x 1.85 (25.57 x 7.80 x 4.70 cm)
KV-24200-ASW	200W					10.07 x 3.07 x 1.85 (25.57 x 7.80 x 4.70 cm)
KV-24300-ASW	300W					10.86 x 3.07 x 1.85 (27.58 x 7.80 x 4.70 cm)

Controllers

PWM-dimmable			
Code	Description	Environment	Size (L x W x H)
V2-S & R7-I	2 Colors 2 Wires LED Strip Controller, match with single zone R7-I Color Temperature Remote, CE certified	Dry/Damp	4.72 x 1.69 x 1.06 (11.99 x 4.29 x 2.69 cm)

Wiring Diagram

PWM-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)