

Beamever

LINIO NEON 0612X SV TW

Designer's Custom Playground

Outdoor · Horizontal Bending · Tunable White

Features

- Premium silicone material & Tunable white from 2700K to 5000K
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Date

Fixture type

Project name

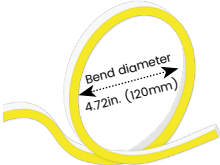
Project phase

Applications

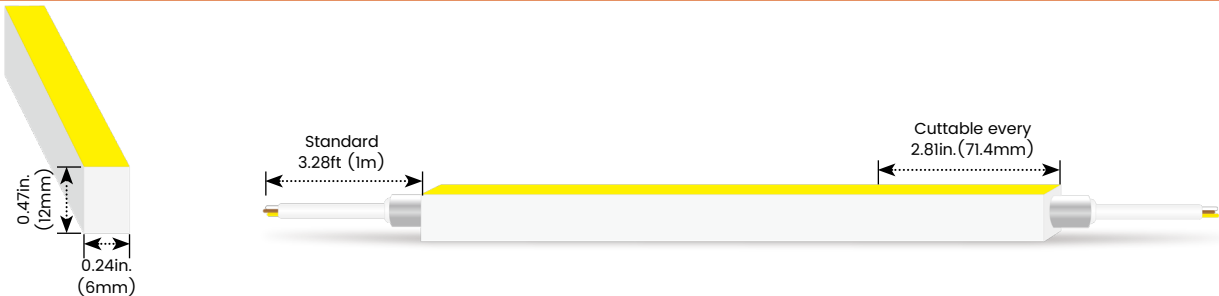
Gardens, parks, hotels, facades, pathways, outdoor steps, etc.



Bending Directions & Diameters



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry			
LN0612XSV	W7-Wet (IP67)	24V-DC24V	27K50K-2700K+5000K	4.0-3.96W/ft	FT Flush Translucent FO Flush Opaque	F Front B Bottom S Side C Closed	OW Open wire 3.28ft (1m) MC Male connector with 11.81in. (300mm) cable FC Female connector with 11.81in. (300mm) cable NA Only for Closed Feed Entry		

Assembly Builder

Assembly Builder

Right Feed Entry				Length	
F Front	OW	Open wire 3.28ft (1m)		Max. nominal	32.8ft (10m)
B Bottom	MC	Male connector with 11.81in. (300mm) cable		Increment	2.81in. (71.4mm)
S Side	FC	Female connector with 11.81in. (300mm) cable			
C Closed	NA	Only for Closed Feed Entry			

Mounting Order Code

Product Code

Please select on the Mounting Options page

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

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Lumen Output (lm/ft)

CCT	3.96W/ft
2700K	85
5000K	89
2700K+5000K	172
Max. Run for Class 2*	20.2ft (6.2m)
Max. Run Supported Length	32.8ft (10m)

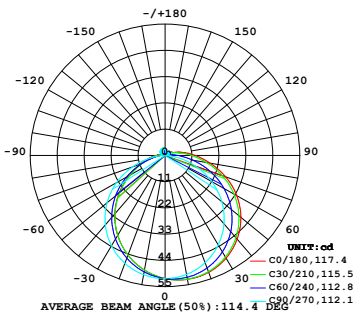
*Typically installations in USA and Canada comply with Class 2 requirements

Technical Details

Efficacy	43lm/W @2700K+5000K 3.96W
CRI	Ra≥90
LED MacAdam	2 steps
Average Life (L80B10)	>56,000 hours
Storage Temperature	-40°F~-140°F (-40°C~ 60°C)
Operating Temperature	-40°F~113°F (-40°C~ 45°C)

Photometry

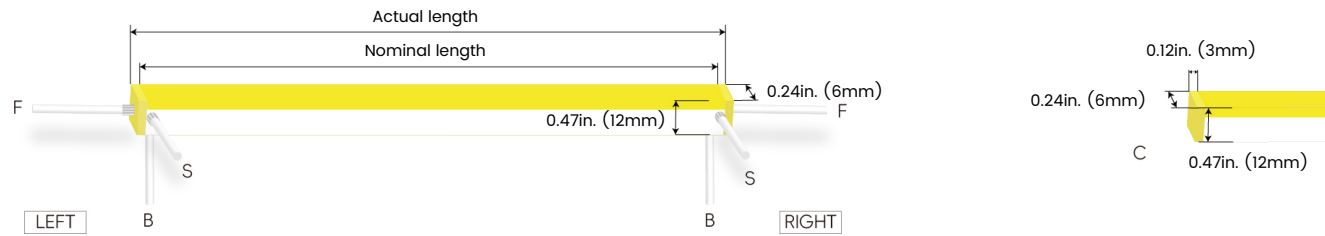
LN0612XSV-W7-24V-27K50K-4.0-FT-F-OW-F-OW
LINIO NEON 0612X SV TW, Horizontal Bend, 2700K+5000K, 3.96W/ft



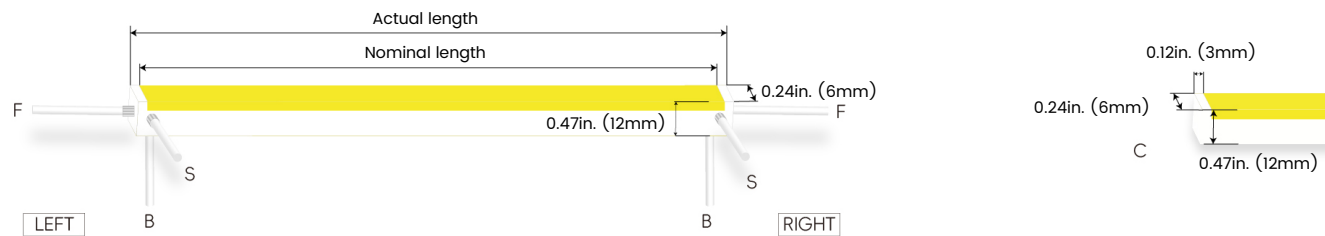
Zonal Lumen Summary		
Zone	Lumen	% Fixture
0-30	40.2	23.3%
0-40	66.0	38.3%
0-60	118.0	68.5%
0-90	159.4	92.6%
0-180	172.2	100.0%

Feed Entry / End Cap Options

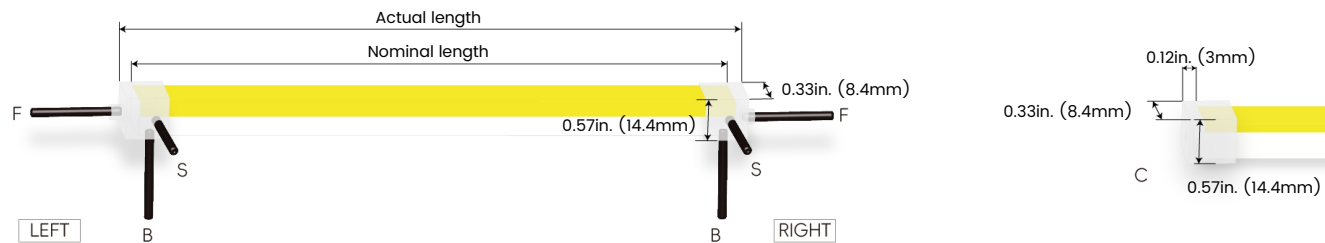
FT: Flush Translucent – IP67, factory-made only



FO: Flush Opaque – IP67, factory-made only



Silicone end cap – IP67, for field cuttable only



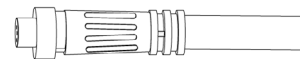
Connector Wire Options



OW: Open wire, **Dry** only
Standard 11.8lin. (300mm), 20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 11.8lin. (300mm), 20 AWG



FC: Female connector, **Wet**
Standard 11.8lin. (300mm), 20 AWG

Mounting Options

NF0612-SC

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

NF0612-BC

Name	Bendable surface channel
Material	Stainless Steel
Standard Length	1.64in. (500mm)
Min. Bending Radius	2.36in. (60mm)

*Not suitable for upside-down installation

NF0612-CL

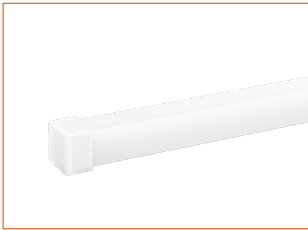
Name	Mounting clip
Material	Aluminum
Standard Length	0.98in. (25mm)

NF0612-CLS

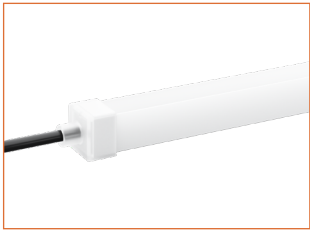
Name	Mounting clip
Material	Stainless Steel
Standard Length	0.59in. (15mm)

*Not suitable for upside-down installation

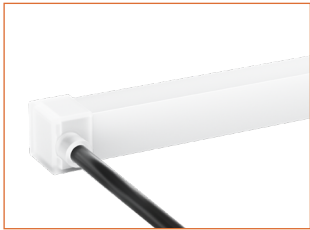
Silicone End Caps (Optional, purchase for extra)



LN0612-SEC-C
Silicone closed end cap



LN0612-SEC-F-3P
Silicone end cap front entry with
11.8lin. (300mm) cable, 3 pin



LN0612-SEC-S-3P
Silicone end cap side entry with
11.8lin. (300mm) cable, 3 pin



LN0612-SEC-B-3P
Silicone end cap bottom entry with
11.8lin. (300mm) cable, 3 pin

Additional Accessories (Optional, purchase for extra)



MCW-3P-67
Male connector,
11.8lin. (300mm) white cable,
3 pin, IP67, Wet, 20 AWG



FCW-3P-67
Female connector,
11.8lin. (300mm) white cable,
3 pin, IP67, Wet, 20 AWG



MCB-3P-67
Male connector,
11.8lin. (300mm) black cable,
3 pin, IP67, Wet, 20 AWG



FCB-3P-67
Female connector,
11.8lin. (300mm) black cable,
3 pin, IP67, Wet, 20 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

Drivers

Non-dimmable

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KV-24030-ASW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KV-24060-ASW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KV-24096-ASW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)

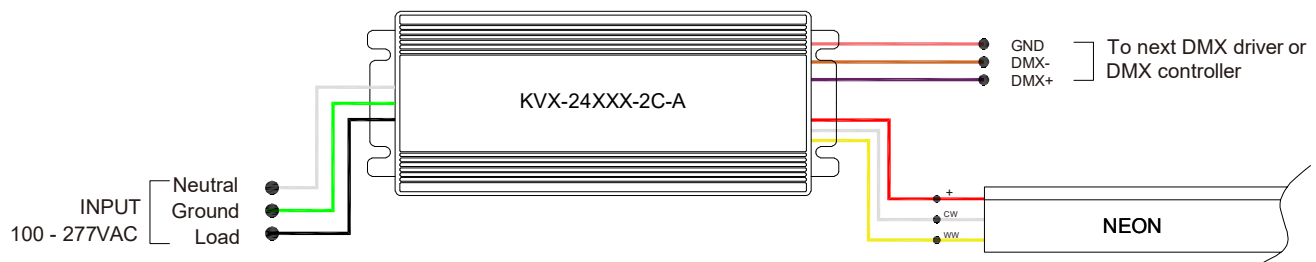
DMX-dimmable

Code	Max Load	Input	Output	Class 2	Environment	Size (L x W x H)
KVX-24096-2C-A	96W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 x 3.07 x 0.98 in. (230 x 78 x 25 mm)
KVX-24150-2C-A	150W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 x 3.07 x 0.98 in. (277 x 78 x 25 mm)
KVX-24200-2C-A	200W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 x 3.07 x 0.98 in. (277 x 78 x 25 mm)
KVX-24300-2C-A	300W	100-277VAC	24V	No	Dry/Damp/Wet	11.85 x 3.07 x 0.98 in. (301 x 78 x 25 mm)

DMX-Decoders & Controllers Options

Type	Code	Description	Size (L x W x H)
DMX-Decoders	LT-903	3 channels output, up to 576W output power	4.80 x 4.33 x 1.46 in. (122 x 110 x 37 mm)
DMX-Decoders	LT-912	12 channels output, up to 1152W output power	7.09 x 4.80 x 1.54 in. (180 x 122 x 39 mm)
DMX-Decoders	LT-924	24 channels output, up to 1728W output power	11.81 x 4.80 x 1.54 in. (300 x 122 x 39 mm)
Controllers	DINA-DR micro	DMX 60 channels stand-alone controller with 10 scenes and USB programming	2.05 x 1.14 x 0.94 in. (52 x 29 x 24 mm)
Controllers	SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes	3.03 x 3.43 x 1.57 in. (77 x 87 x 40 mm)
Controllers	STICK-CW4	DMX 1024 channels controller with 36 scenes and 6 touch buttons	4.17 x 5.75 x 0.39 in. (106 x 146 x 10 mm)

Wiring Diagram



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	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	1588ft (484.0m)	999ft (304.5m)	628ft (191.4m)	395ft (120.4m)	248ft (75.5m)	156ft (47.5m)	98ft (29.8m)	61ft (18.5m)
20W / 0.8A	794ft (242.0m)	499ft (152.1m)	314ft (95.7m)	197ft (60.0m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	30ft (9.1m)
30W / 1.3A	529ft (161.2m)	333ft (101.5m)	209ft (63.7m)	131ft (39.9m)	82ft (24.9m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)
40W / 1.7A	397ft (121.0m)	249ft (75.9m)	157ft (47.8m)	98ft (29.8m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)
50W / 2.1A	317ft (96.6m)	199ft (60.6m)	125ft (38.1m)	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)
60W / 2.5A	264ft (80.4m)	166ft (50.6m)	104ft (31.7m)	65ft (19.8m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)
70W / 2.9A	226ft (68.8m)	142ft (43.2m)	89ft (27.1m)	56ft (17.0m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	8ft (2.4m)
80W / 3.3A	198ft (60.3m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)
90W / 3.8A	176ft (53.6m)	111ft (33.8m)	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)
100W / 4.2A	158ft (48.1m)	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)
110W / 4.6A	144ft (43.8m)	90ft (27.4m)	57ft (17.3m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)
120W / 5.0A	132ft (40.2m)	83ft (25.3m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)
130W / 5.4A	122ft (37.1m)	76ft (23.1m)	48ft (14.6m)	30ft (9.1m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)
140W / 5.8A	113ft (34.4m)	71ft (21.6m)	44ft (13.4m)	28ft (8.5m)	17ft (5.1m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)
150W / 6.3A	105ft (32.0m)	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)
160W / 6.7A	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)
170W / 7.1A	93ft (28.3m)	58ft (17.6m)	36ft (10.9m)	23ft (7.0m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)	3ft (0.9m)
180W / 7.5A	88ft (26.8m)	55ft (16.7m)	34ft (10.3m)	22ft (6.7m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
190W / 7.9A	83ft (25.3m)	52ft (15.8m)	33ft (10.0m)	20ft (6.0m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
200W / 8.3A	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)	3ft (0.9m)
210W / 8.8A	75ft (22.8m)	47ft (14.3m)	29ft (8.8m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
220W / 9.2A	72ft (21.9m)	45ft (13.7m)	28ft (8.5m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
230W / 9.6A	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
240W / 10.0A	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
250W / 10.4A	63ft (19.2m)	40ft (12.1m)	25ft (7.6m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)	2ft (0.6m)