

Beamever

LINIO NEON 1010X 3S TV TW

Designer's Custom Playground

Outdoor · Vertical Bending · Tunable White

Features

- 3-sides emitting design & Tunable white from 2700K to 5300K
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

Applications

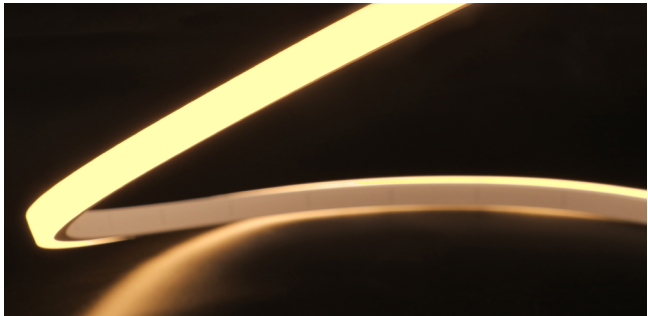
Gardens, parks, hotels, facades, pathways, outdoor steps, etc.

Date

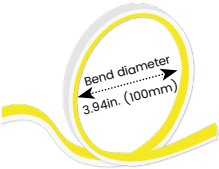
Fixture type

Project name

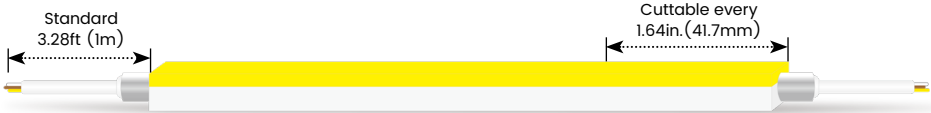
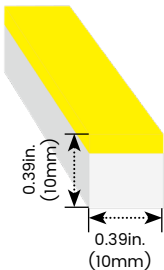
Project phase



Bending Directions & Diameters



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry			
LN1010X3STV	W8-Wet (IP68)	24V-DC24V	27K53K-2700K+5300K	3.5-3.54W/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	1.64in. (41.7mm)
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	3.54W/ft
2700K	116
5300K	119
2700K+5300K	235
Max. Run for Class 2*	22.6ft (6.9m)
Max. Run Supported Length	32.8ft (10m)

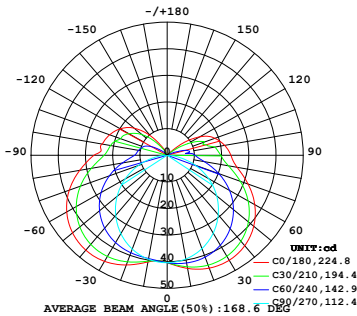
*Typically installations in USA and Canada comply with Class 2 requirements

Technical Details

Efficacy	66lm/W @2700K+5300K 3.54W
CRI	Ra≥90
Beam Angle	160°(3-sides emitting)
LED MacAdam	3 steps
Average Life (L70B10)	>43,000 hours
Storage Temperature	-40°F~149°F (-40°C~ 65°C)
Operating Temperature	-40°F~149°F (-40°C~ 65°C)

Photometry

LN1010X3STV-W8-24V-27K53K-3.5-FT-F-OW-F-OW
LINIO NEON 1010X 3S TV TW, Vertical Bend, 2700K+5300K, 3.54W/ft



Zonal Lumen Summary		
Zone	Lumen	% Fixture
0~30	34.6	14.7%
0~40	59.5	25.3%
0~60	117.9	50.1%
0~90	187.5	79.7%
0~180	235.3	100.0%

Beamever

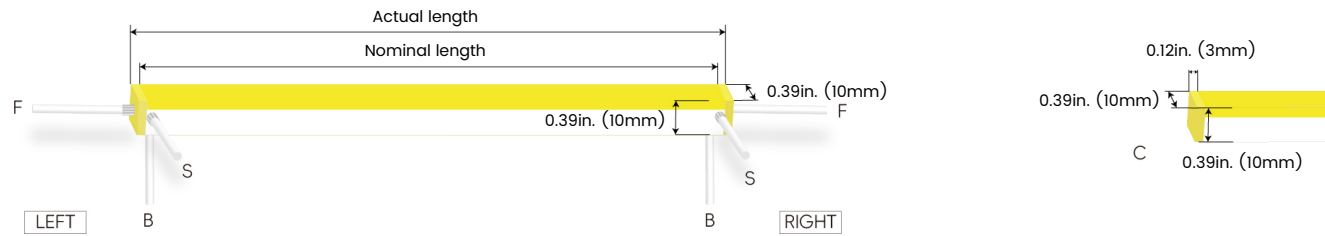
LINIO NEON 1010X 3S TV TW

Designer's Custom Playground

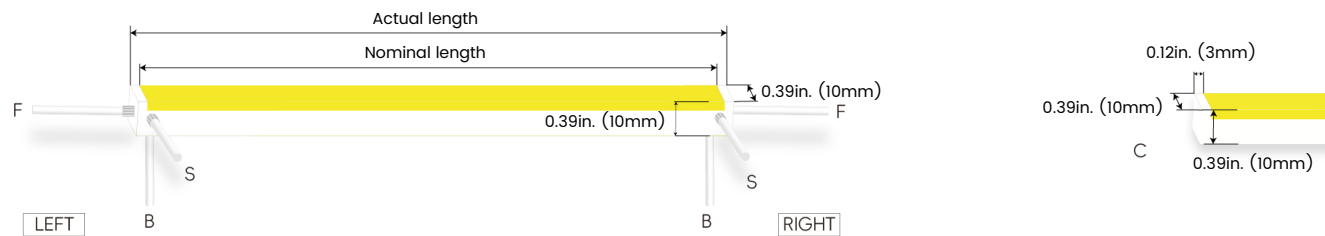
Outdoor · Vertical Bending · Tunable White

Feed Entry / End Cap Options

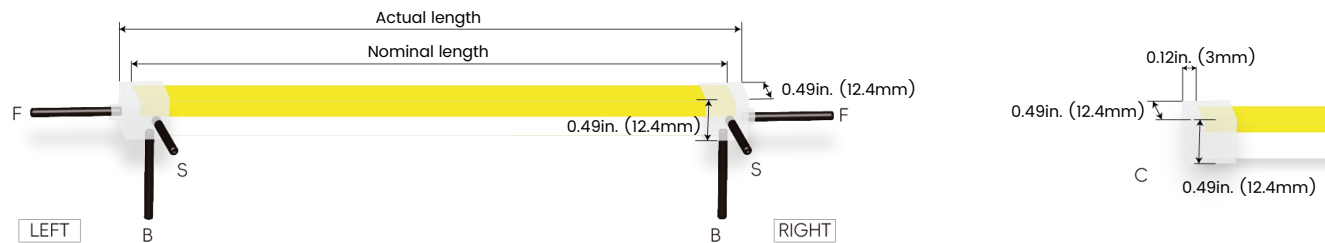
FT: Flush Translucent – IP68, factory-made only



FO: Flush Opaque – IP68, factory-made only



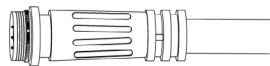
Silicone end cap – IP67, for field cuttable only



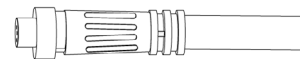
Connector Wire Options



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

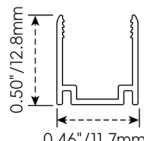
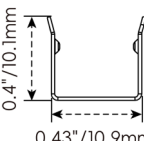
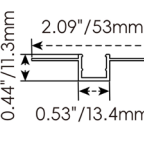
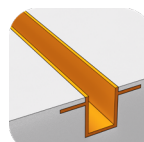
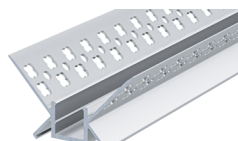
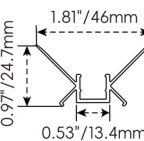
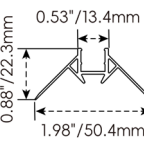
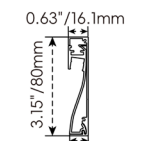
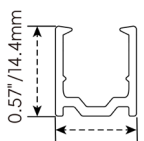
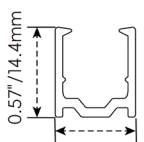


MC: Male connector, **Wet**
Standard 11.8lin. (300mm), 20 AWG



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

Mounting Options

			NF1010-SC<table><tr><td>Name</td><td>Straight surface channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	Straight surface channel	Material	Aluminum	Standard Length	3.28ft (1m)		
Name	Straight surface channel										
Material	Aluminum										
Standard Length	3.28ft (1m)										
			NF1010-BC<table><tr><td>Name</td><td>Bendable surface channel</td></tr><tr><td>Material</td><td>Stainless Steel</td></tr><tr><td>Standard Length</td><td>19.69in. (500mm)</td></tr><tr><td>Min. Bending Radius</td><td>1.97in. (50mm)</td></tr></table> *Not suitable for upside-down installation	Name	Bendable surface channel	Material	Stainless Steel	Standard Length	19.69in. (500mm)	Min. Bending Radius	1.97in. (50mm)
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Material	Stainless Steel										
Standard Length	19.69in. (500mm)										
Min. Bending Radius	1.97in. (50mm)										
			NF1010-MC<table><tr><td>Name</td><td>Mud-in channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	Mud-in channel	Material	Aluminum	Standard Length	3.28ft (1m)		
Name	Mud-in channel										
Material	Aluminum										
Standard Length	3.28ft (1m)										
			NF1010-IC<table><tr><td>Name</td><td>Inside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	Inside corner channel	Material	Aluminum	Standard Length	3.28ft (1m)		
Name	Inside corner channel										
Material	Aluminum										
Standard Length	3.28ft (1m)										
			NF1010-OC<table><tr><td>Name</td><td>Outside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	Outside corner channel	Material	Aluminum	Standard Length	3.28ft (1m)		
Name	Outside corner channel										
Material	Aluminum										
Standard Length	3.28ft (1m)										
			NF1010-SBC<table><tr><td>Name</td><td>Skirting board channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	Skirting board channel	Material	Aluminum	Standard Length	3.28ft (1m)		
Name	Skirting board channel										
Material	Aluminum										
Standard Length	3.28ft (1m)										
			NF1010-PC<table><tr><td>Name</td><td>PC channel</td></tr><tr><td>Material</td><td>PC</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	PC channel	Material	PC	Standard Length	3.28ft (1m)		
Name	PC channel										
Material	PC										
Standard Length	3.28ft (1m)										
			NF1010-BPC<table><tr><td>Name</td><td>Bendable PC channel</td></tr><tr><td>Material</td><td>PC</td></tr><tr><td>Standard Length</td><td>3.28ft (1m)</td></tr></table>	Name	Bendable PC channel	Material	PC	Standard Length	3.28ft (1m)		
Name	Bendable PC channel										
Material	PC										
Standard Length	3.28ft (1m)										

Mounting Options

0.41" / 10.4mm

0.51" / 12.9mm

0.49" / 12.4mm

0.33" / 8.5mm

0.41" / 10.5mm

NF1010-CL

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

NF1010-CLS

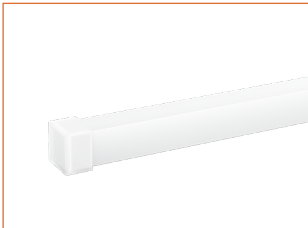
Name	Mounting clip
Material	Stainless Steel
Standard Length	0.28in. (7mm)
*Not suitable for upside-down installation	

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Silicone End Caps (Optional, purchase for extra)



NF1010-SEC-C
Silicone closed end cap



NF1010-SEC-F-3P
Silicone end cap front entry with
11.8lin. (300mm) cable, 3 pin



NF1010-SEC-S-3P
Silicone end cap side entry with
11.8lin. (300mm) cable, 3 pin



NF1010-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)

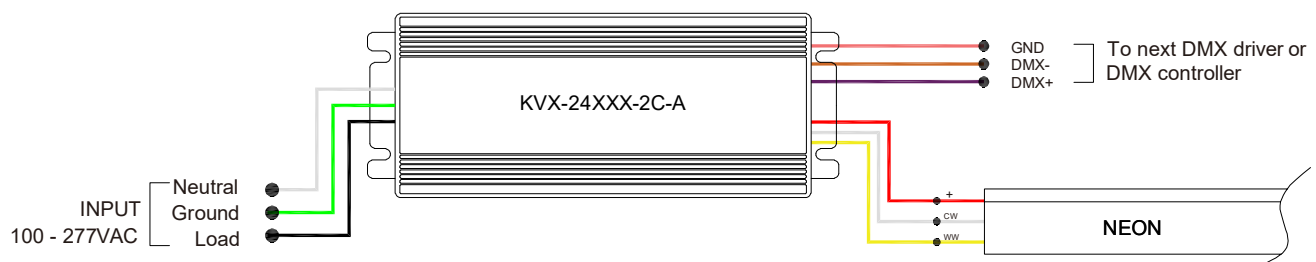
DMX-dimmable

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)