LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

Date | Fixture type

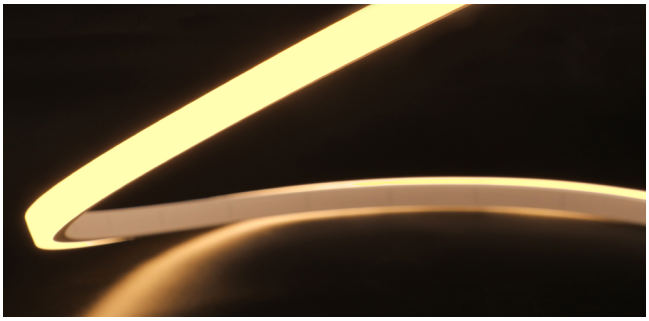
Project name | Project phase

Features

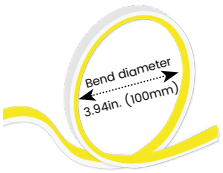
- 3-sides emitting design & Tunable white from 2700K to 5300K
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

Applications

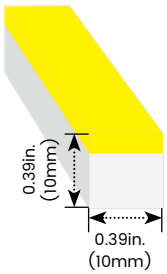
Gardens, parks, hotels, facades, pathways, outdoor steps, etc.

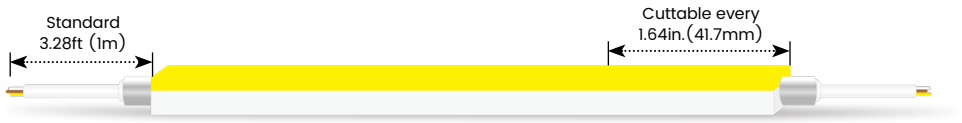


Bending Directions & Diameters



Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap
LN1010X3STV	**W8**-Wet (IP68)	**24V**-DC24V	**27K53K**-2700K+5300K	**3.5**-3.54W/ft	**FT** Flush Translucent **FO** Flush Opaque

Assembly Builder

Left Feed Entry	
F Front	**OW** Open wire 3.28ft (1m)
B Bottom	**OA** Open Wire with Anti-Wicking Ferrule
S Side	**MC** Male connector with 11.81in. (300mm) cable
C Closed	**FC** Female connector with 11.81in. (300mm)cable
	NA Only for Closed Feed Entry

Assembly Builder

Right Feed Entry	
F Front	**OW** Open wire 3.28ft (1m)
B Bottom	**OA** Open Wire with Anti-Wicking Ferrule
S Side	**MC** Male connector with 11.81in. (300mm) cable
C Closed	**FC** Female connector with 11.81in. (300mm)cable
	NA Only for Closed Feed Entry

Length	
Max. nominal	32.8ft (10m)
Increment	1.64in. (41.7mm)

*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

LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

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

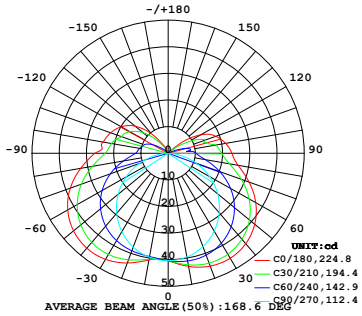
Techinical Details

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

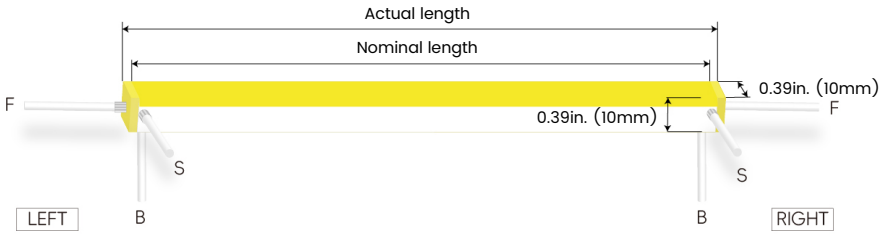
Zone	Lumen	% Fixture
0-30	34.6	14.7%
0-40	59.5	25.3%
0-60	117.9	50.1%
0-90	187.5	79.7%
0-180	235.3	100.0%

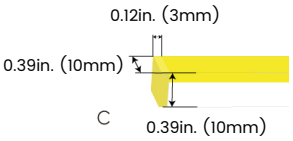
LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

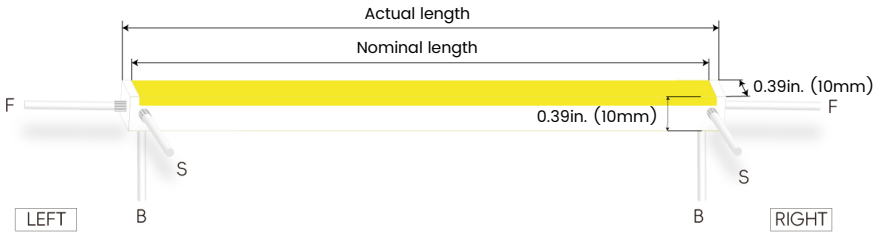
Feed Entry / End Cap Options

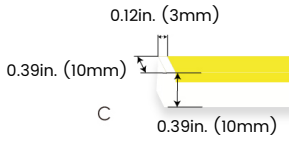
FT: Flush Translucent – IP68, factory-made only



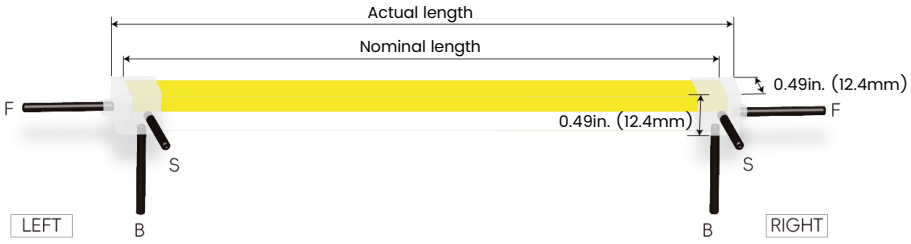


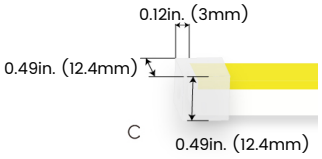
FO: Flush Opaque – IP68, factory-made only





Silicone end cap – IP67, for field cuttable only

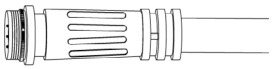




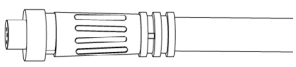
Connector Wire Options



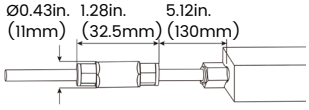
OW: Open wire, **Dry only**
Standard 3.28ft (1m),20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 11.81in. (300mm), 20 AWG

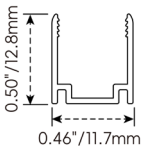


FC: Female connector, **Wet**
Standard 11.81in. (300mm), 20 AWG



OA: Open Wire with **Anti-Wicking Ferrule, Wet**
Standard 3.28ft (1m),20 AWG,
Protects against water ingress through the power cable

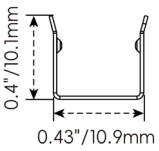
Mounting Options



NF1010-SC

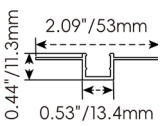
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1010-BC

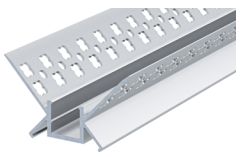
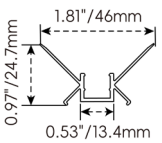
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	3.28ft (1m)
Min. Bending Radius	1.97in. (50mm)
*Not suitable for upside-down installation	



NF1010-MC

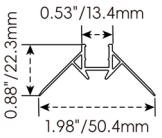
Name	Mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-IC

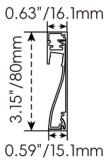
Name	Inside corner channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-OC

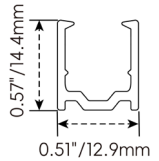
Name	Outside corner channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-SBC

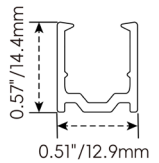
Name	Skirting board channel
Material	Aluminum
Standard Length	3.28ft (1m)





NF1010-PC

Name	PC channel
Material	PC
Standard Length	3.28ft (1m)






NF1010-BPC

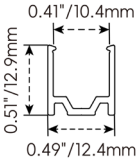
Name	Bendable PC channel
Material	PC
Standard Length	3.28ft (1m)

LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

Mounting Options



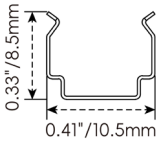




NF1010-CL

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







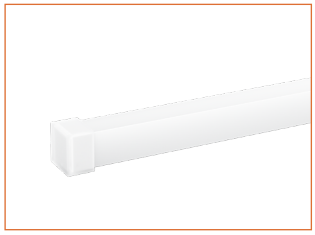
NF1010-CLS

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

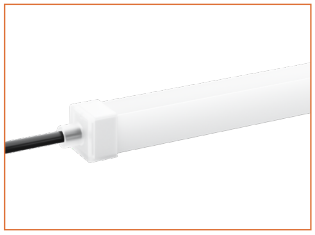
LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

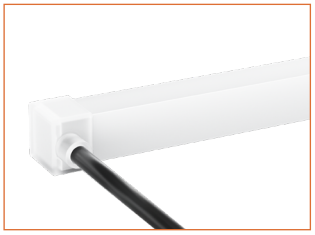
Silicone End Caps (Optional, purchase for extra)



NF1010-SEC-C
Silicone closed end cap



NF1010-SEC-F-3P
Silicone end cap front entry with 11.81in. (300mm) cable, 3 pin



NF1010-SEC-S-3P
Silicone end cap side entry with 11.81in. (300mm) cable, 3 pin



NF1010-SEC-B-3P
Silicone end cap bottom entry with 11.81in. (300mm) cable, 3 pin

Additional Accessories (Optional, purchase for extra)



MCW-3P-67
Male connector,
11.81in. (300mm)white cable,
3 pin, IP67, Wet, 20 AWG



FCW-3P-67
Female connector,
11.81in. (300mm) white cable,
3 pin, IP67, Wet, 20 AWG



MCB-3P-67
Male connector,
11.81in. (300mm) black cable,
3 pin, IP67, Wet, 20 AWG



FCB-3P-67
Female connector,
11.81in. (300mm) black cable,
3 pin, IP67, Wet, 20 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

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)

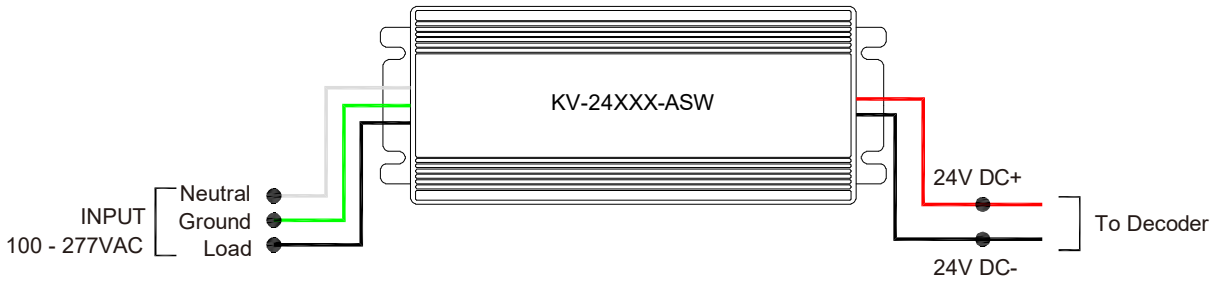
DMX-dimmable

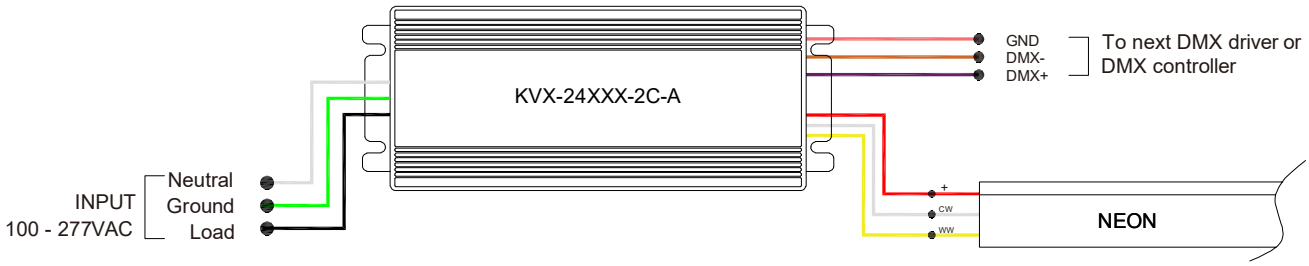
Code	Max Load	Input	Output	Class 2	Environment	Size (L x W x H)
KVX-24096-2C-A	96W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 × 3.07 × 0.98 in. (230 × 78 × 25 mm)
KVX-24150-2C-A	150W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 × 3.07 × 0.98 in. (277 × 78 × 25 mm)
KVX-24200-2C-A	200W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 × 3.07 × 0.98 in. (277 × 78 × 25 mm)
KVX-24300-2C-A	300W	100-277VAC	24V	No	Dry/Damp/Wet	11.85 × 3.07 × 0.98 in. (301 × 78 × 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 × 4.33 × 1.46 in. (122 × 110 × 37 mm)
DMX-Decoders	LT-912	12 channels output, up to 1152W output power	7.09 × 4.80 × 1.54 in. (180 × 122 × 39 mm)
DMX-Decoders	LT-924	24 channels output, up to 1728W output power	11.81 × 4.80 × 1.54 in. (300 × 122 × 39 mm)
Controllers	DINA-DR micro	DMX 60 channels stand-alone controller with 10 scenes and USB programming	2.05 × 1.14 × 0.94 in. (52 × 29 × 24 mm)
Controllers	SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes	3.03 × 3.43 × 1.57 in. (77 × 87 × 40 mm)
Controllers	STICK-CW4	DMX 1024 channels controller with 36 scenes and 6 touch buttons	4.17 × 5.75 × 0.39 in. (106 × 146 × 10 mm)

Wiring Diagram





LINIO NEON 1010X 3S TV TW

Outdoor · Vertical Bending · Tunable White

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)