

LINIO NEON 1010X TV TW

Outdoor · Vertical Bending · Tunable White

Features

- 3-sides emitting design & Tunable white from 2700K to 5300K
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

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

Date

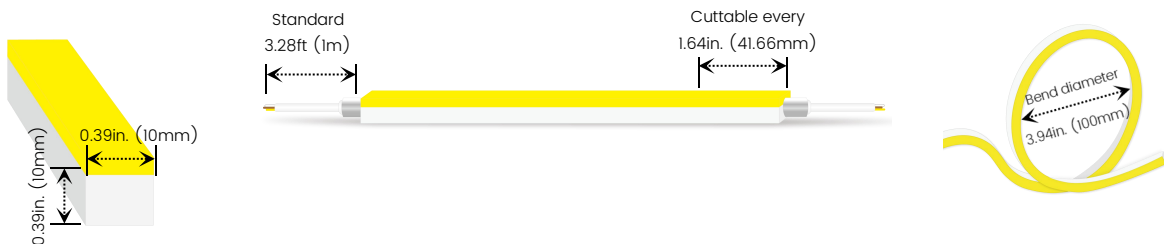
Fixture type

Project name

Project phase



Dimensions



Order Code

Model	Environment	Voltage	Temp./Color	Power	End Cap	Left Feed Entry
LN1010XTV	W7-Wet (IP67)	24-DC24V	2753-2700K+5300K	354-3.54W/ft	IJ Injected (IP67) IJC Clear injected (IP67) SEC Silicone (IP67)	F Front OW Open wire 3.28ft (1m) B Bottom MC Male connector with 0.98ft (30cm) cable S Side FC Female connector with 0.98ft (30cm) cable C Closed 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	3.28ft (1m)
B	Bottom	MC	Male connector with 0.98ft (30cm) cable	Increment	1.64in. (41mm)
S	Side	FC	Female connector with 0.98ft (30cm) cable		
C	Closed	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	3.54W/ft
2700K	125
5300K	133
2700K+5300K	267
Max. Run for Class 2	21.7ft (6.6m)
Max. Run Supported Length	32.8ft (10m)

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

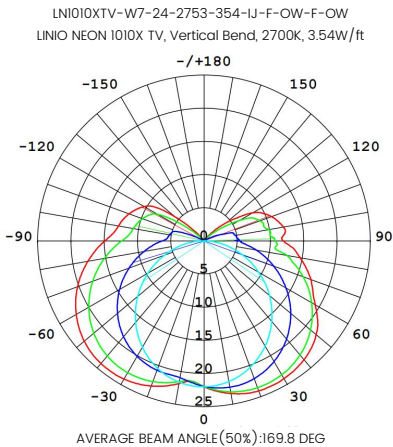
Technical Details

Efficacy	75.4lm/W @2700K+5300K 3.54W
CRI	Ra≥90
Beam Angle	160°
LED MacAdam	3 steps
IK Rating	IK08
Average Life (L70)	> 54,000 hours
Storage Temperature	-40~140°F (-40°C~ 60°C)
Operating Temperature	-40~113°F (-40°C~ 45°C)

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Photometry



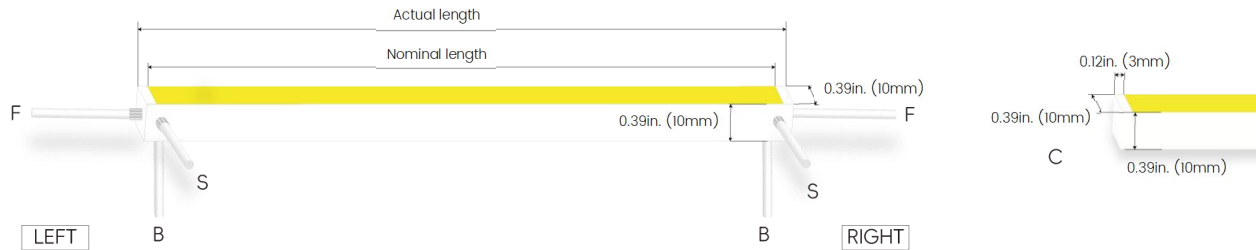
Zonal Lumen Summary 2700K

Zone	Lumen	% Fixture
0-30	18.5	14.8%
0-40	31.8	25.4%
0-60	62.7	50.2%
0-90	100.8	80.6%
0-180	125	100%

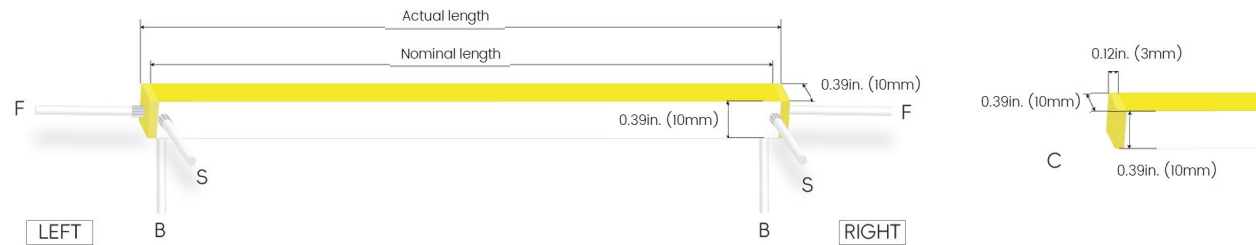
UNIT: CD
— C0/180, 229.7
— C30/210, 194.6
— C60/240, 142.8
— C90/270, 112.1

Feed Entry / End Cap Options

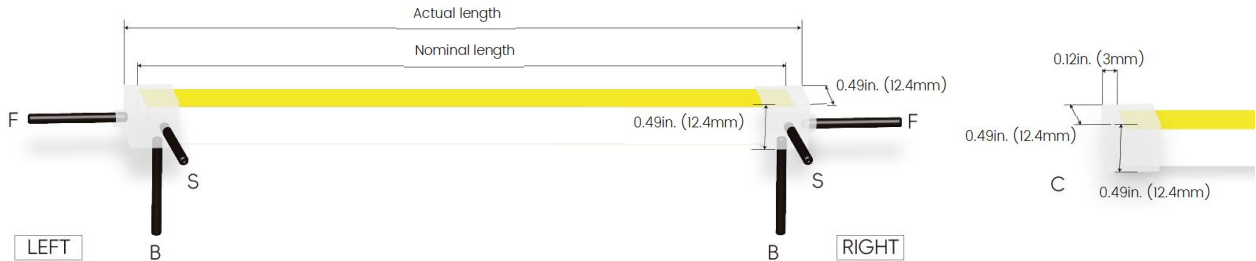
IJ: Injected end cap – IP67, factory-made only



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



SEC: Silicone end cap – IP67



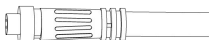
Connector Wire Options



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



MC: Male connector, **Wet**
Standard 0.98ft (30cm), 20 AWG

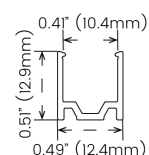
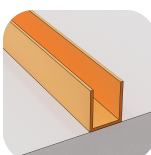
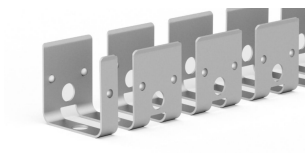
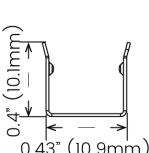
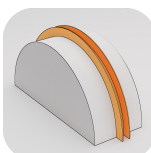
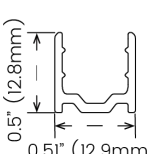
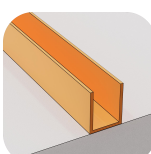
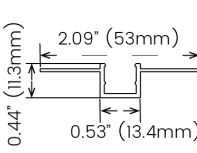
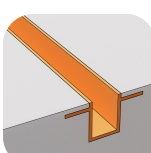
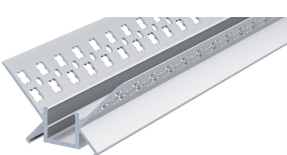
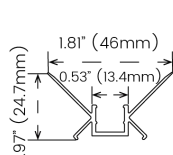
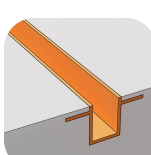
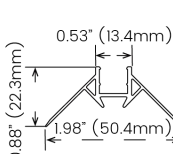
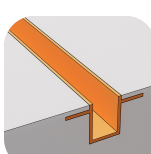
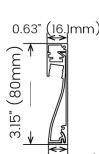
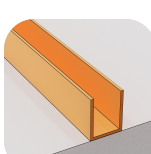
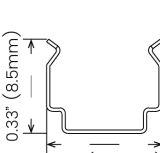
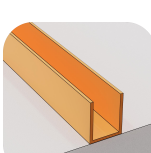


FC: Female connector, **Wet**
Standard 0.98ft (30cm), 20 AWG

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Mounting Options

	 0.41" (10.4mm) 0.51" (12.9mm) 0.49" (12.4mm)		LN1010-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)								
	 0.4" (10.1mm) 0.43" (10.9mm)		LN1010-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>3.28ft (1M)</td></tr></table>	Name	Bendable surface channel	Material	Stainless Steel	Standard Length	3.28ft (1M)
Name	Bendable surface channel								
Material	Stainless Steel								
Standard Length	3.28ft (1M)								
	 0.5" (12.8mm) 0.51" (12.9mm)		LN1010-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)								
	 2.09" (53mm) 0.44" (11.3mm) 0.53" (13.4mm)		LN1010-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)								
	 1.81" (46mm) 0.53" (13.4mm) 0.97" (24.7mm)		LN1010-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)								
	 0.53" (13.4mm) 0.88" (22.3mm) 1.98" (50.4mm)		LN1010-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)								
	 0.63" (16.1mm) 3.15" (80mm) 0.59" (15.1mm)		LN1010-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)								
	 0.33" (8.5mm) 0.41" (10.5mm)		LN1010-CL <table><tr><td>Name</td><td>Mounting clip</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>0.28in. (7mm)</td></tr></table>	Name	Mounting clip	Material	Aluminum	Standard Length	0.28in. (7mm)
Name	Mounting clip								
Material	Aluminum								
Standard Length	0.28in. (7mm)								

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End Caps (Optional, purchase for extra)



LN1010-SEC-C
Silicone closed end cap



LN1010-SEC-F-3P
Silicone end cap front entry with 0.98ft (30cm) cable, 3 pin



LN1010-SEC-S-3P
Silicone end cap side entry with 0.98ft (30cm) cable, 3 pin



LN1010-SEC-B-3P
Silicone end cap bottom entry with 0.98ft (30cm) cable, 3 pin

Additional Accessories (Optional, purchase for extra)



MCW-3P-67
Male connector with 0.98ft (30cm) white cable, 3 pin, IP67, Wet, 20 AWG



FCW-3P-67
Female connector with 0.98ft (30cm) white cable, 3 pin, IP67, Wet, 20 AWG



MCB-3P-67
Male connector with 0.98ft (30cm) black cable, 3 pin, IP67, Wet, 20 AWG



FCB-3P-67
Female connector with 0.98ft (30cm) black cable, 3 pin, IP67, Wet, 20 AWG

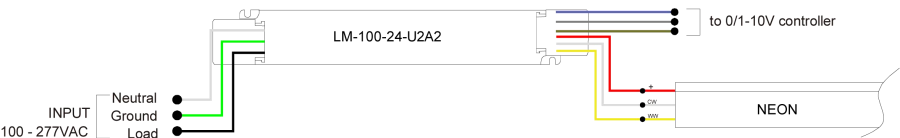
Drivers

0-10V dimmable

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
LM-100-24-U2A2	100W	100-277VAC	24V	Yes	No	Dry	13.86 x 1.69 x 1.18in. (35.2x 4.3 x 3cm)

Wiring Diagram

0-10V-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)