

LINIO NEON EOS TV HE TW

Vertical Bending · Tunable White

Features

- Neon & tape in one hybrid design, high efficiency, tunable white from 2700K to 6500K
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

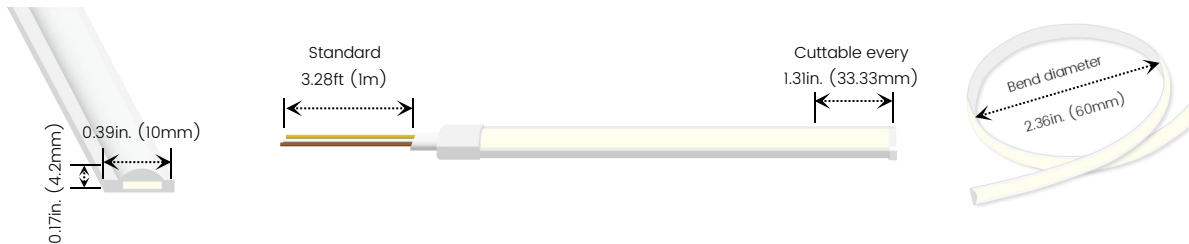
Applications

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

Date	Fixture type
Project name	Project phase



Dimensions



Order Code

Model	Environment	Voltage	Temp./Color	Power	End Cap	Left Feed Entry
LNEOSTVHE	W5-Wet (IP65)	24-DC24V	2765-2700K + 6500k	415-4.15W/ft	IJ Injected (IP65) IJC Clear injected (IP65) 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) C Closed MC Male connector with 0.98ft (30cm) cable FC Female connector with 0.98ft (30cm) cable NA Only for Closed Feed Entry	Max. nominal 16.4ft (5m) Increment 1.31in (33.33mm)

*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	4.15W/ft
2700K	202
6500K	186
2700K+6500K	375
Max. Run for Class 2	16.4ft (5m)

Technical Details

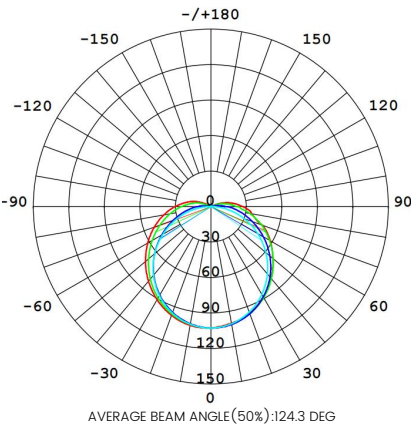
Efficacy	90.4lm/W @2700K+6500K 4.15W
CRI	Ra≥90
Beam Angle	110°
LED MacAdam	3 steps
Average Life (L70)	> 47,000 hours
Storage Temperature	-13-140°F (-25°C~ 60°C)
Operating Temperature	-40-113°F (-40°C~ 45°C)

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Photometry

LINEOSTVHE-W5-24-2765-415-IJ-F-OW-F-OW
LINIO NEON EOS TV HE TW, Vertical bend, 2700K + 6500k, 4.15W/ft



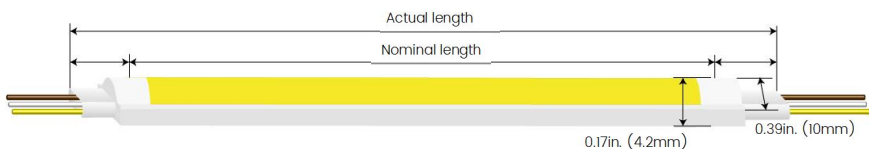
Zonal Lumen Summary 2700K+6500k

Zone	Lumen	% Fixture
0-30	80.3	21.4%
0-40	132.5	35.3%
0-60	241.7	64.4%
0-90	348.4	92.9%
0-180	375.0	100%

UNIT: CD
— C0/180, 135.7
— C30/210, 130.3
— C60/240, 117.6
— C90/270, 113.5

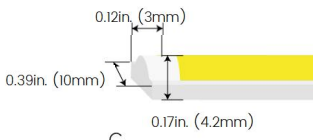
Feed Entry / End Cap Options

IJ: Injected end cap – IP65, factory-made only

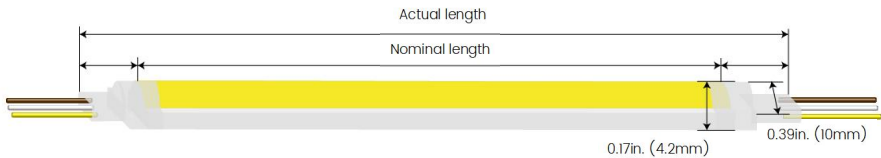


LEFT

RIGHT

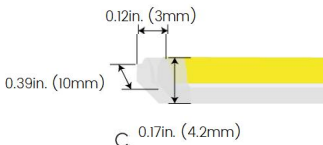


IJC: Clear injected end cap – IP65, factory-made only

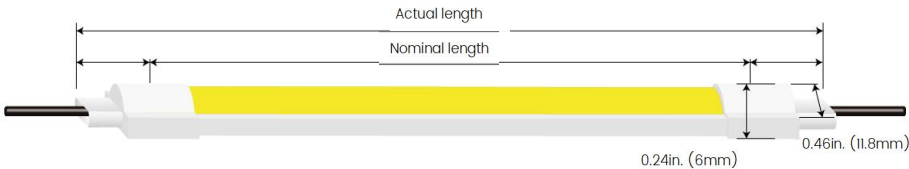


LEFT

RIGHT

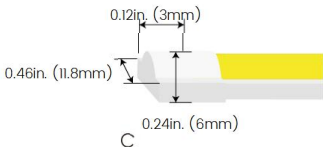


SEC: Silicone end cap – IP65



LEFT

RIGHT



Connector Wire Options



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

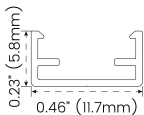
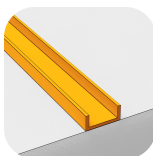
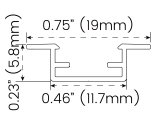
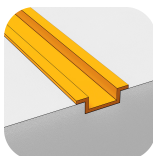
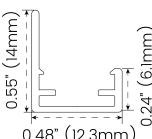
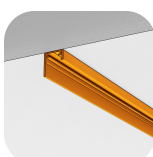
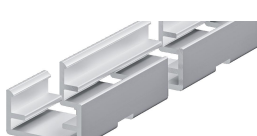
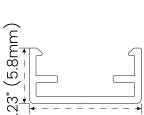
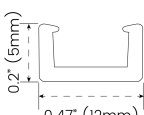
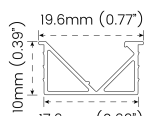
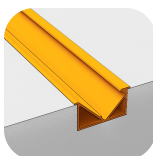
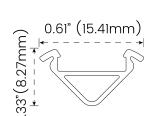
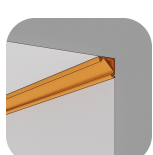
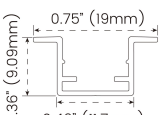
MC: Male connector, Standard 0.98ft (30cm), 22 AWG

FC: Female connector, Standard 0.98ft (30cm), 22 AWG

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Mounting Options

			LNEOS-SC-10 <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)								
			LNEOS-RC-10 <table><tr><td>Name</td><td>Straight recessed 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 recessed channel	Material	Aluminum	Standard Length	3.28ft (1M)
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Material	Aluminum								
Standard Length	3.28ft (1M)								
			LNEOS-LBC-10 <table><tr><td>Name</td><td>Light-block channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	Light-block channel	Material	Aluminum	Standard Length	3.28ft (1M)
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Material	Aluminum								
Standard Length	3.28ft (1M)								
			LNEOS-BC-10 <table><tr><td>Name</td><td>Bendable 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	Bendable surface channel	Material	Aluminum	Standard Length	3.28ft (1M)
Name	Bendable surface channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								
			LNEOS-CL-10 <table><tr><td>Name</td><td>Mounting clip</td></tr><tr><td>Material</td><td>Silicone</td></tr><tr><td>Standard Length</td><td>0.55in. (14mm)</td></tr></table>	Name	Mounting clip	Material	Silicone	Standard Length	0.55in. (14mm)
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Material	Silicone								
Standard Length	0.55in. (14mm)								
			LNEOS-RKC-10 <table><tr><td>Name</td><td>45° Recessed kicker channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	45° Recessed kicker channel	Material	Aluminum	Standard Length	3.28ft (1M)
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Material	Aluminum								
Standard Length	3.28ft (1M)								
			LNEOS-TSC-10 <table><tr><td>Name</td><td>45° Triangular 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	45° Triangular surface channel	Material	Aluminum	Standard Length	3.28ft (1M)
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Material	Aluminum								
Standard Length	3.28ft (1M)								
			LNEOS-DRC-10 <table><tr><td>Name</td><td>Deep recessed channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	Deep recessed channel	Material	Aluminum	Standard Length	3.28ft (1M)
Name	Deep recessed channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								

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End Caps (Optional, purchase for extra)



LNEOS-SEC-C-10
Silicone closed end cap for 0.39in.
(10mm) wide LINIO NEON EOS TV series

LNEOS-SEC-F-3P-10
Silicone end cap front entry with 0.66ft
(20cm) cable, 3 pin

Additional Accessories (Optional, purchase for extra)



MJST-2P-67
Male connector with 0.98ft (30cm)
white cable, 2 pin, 22 AWG

FJST-2P-67
Female connector with 0.98ft (30cm)
white cable, 2 pin, 22 AWG

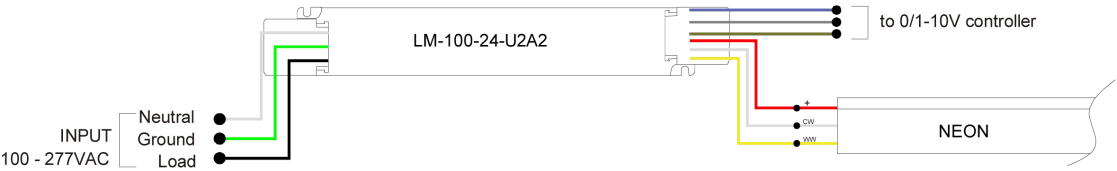
LNEOS-MT-10
Installation Roller Tool with Wooden
Handle

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	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)