

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

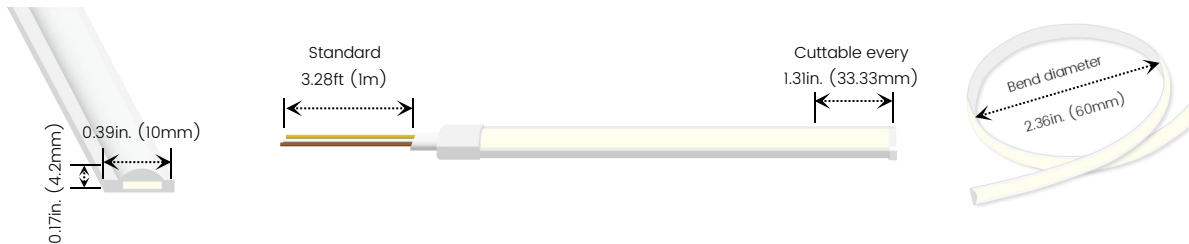
Applications

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

Date	Fixture type
Project name	Project phase



Dimensions



Order Code

Assembly Builder

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

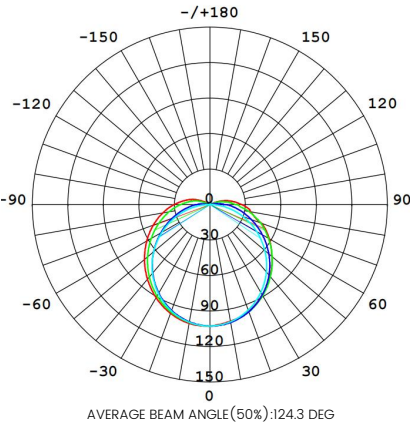
Efficacy	90.4lm/W @2700K+6500K 4.15W
CRI	Ra≥90
Beam Angle	110°
LED MacAdam	3 steps
Average Life (L70)	> 47,000 hours
Storage Temperature	-13-140°F (-25°C~ 60°C)
Operating Temperature	-40-113°F (-40°C~ 45°C)

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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



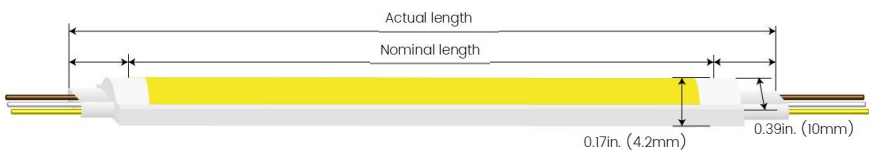
Zonal Lumen Summary 2700K+6500k

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

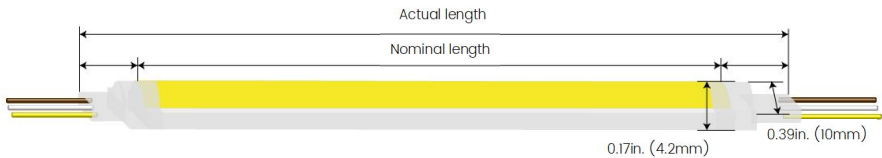
IJ: Injected end cap – IP65, factory-made only



LEFT

RIGHT

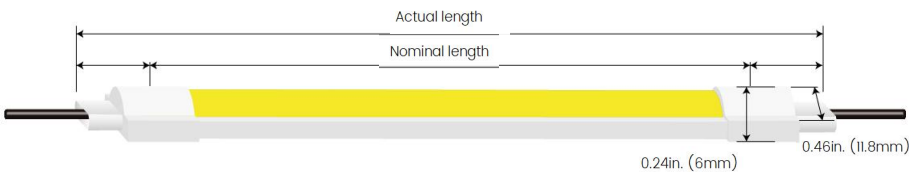
IJC: Clear injected end cap – IP65, factory-made only



LEFT

RIGHT

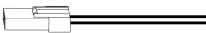
SEC: Silicone end cap – IP65



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

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

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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)