

LINIO NEON EOS TV

Vertical Bending · Static White

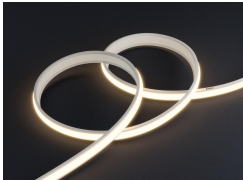
Features

- Neon & tape in one hybrid design, incredibly smooth diffusion without lenses
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

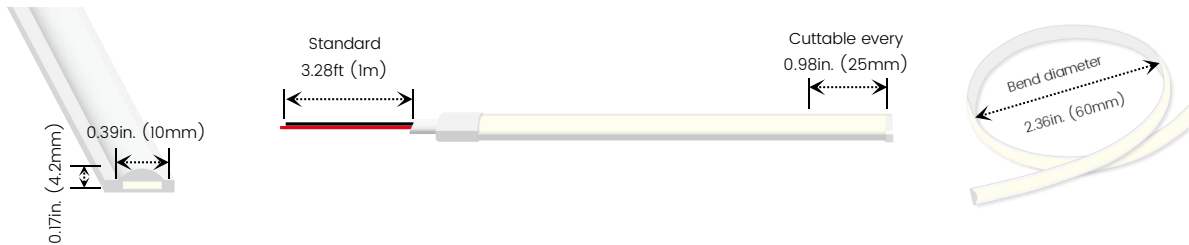
Applications

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
LNEOSTV	W5-Wet (IP65)	24-DC24V	22-2200K 27-2700K 30-3000K 35-3500K 40-4000K 53-5300K	146-1.46W/ft 293-2.93W/ft 439-4.39W/ft	IJ Injected (IP65) IJC Clear injected (IP65) SEC Silicone (IP65)	F Front C Closed OW Open wire 3.28ft (1m) 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 C Closed OW Open wire 3.28ft (1m) MC Male connector with 0.98ft (30cm) cable FC Female connector with 0.98ft (30cm) cable NA Only for Closed Feed Entry	Max. nominal Increment 3.28ft (10m) 0.98in. (25mm)

*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	1.46W/ft	2.93W/ft	4.39W/ft
2200K	85	169	250
2700K	89	190	284
3000K	93	194	287
3500K	95	190	284
4000K	98	189	296
Max. Run for Class 2	16.4(5m)		

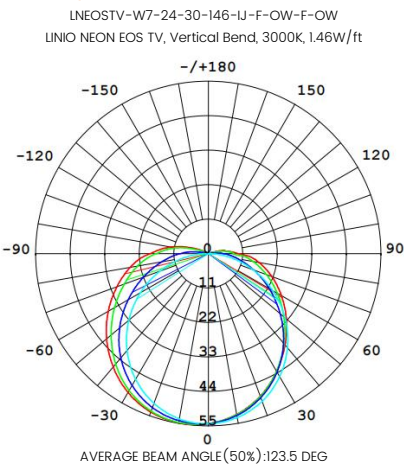
Technical Details

Efficacy	64.5lm/W @4000K 2.93W
CRI	Ra ≥ 90
Beam Angle	110°
LED MacAdam	3 steps
Average Life (L70)	> 54,000 hours
Storage Temperature	-13-140°F (-25°C- 60°C)
Operating Temperature	-40-113°F (-40°C- 45°C) @1.46W/ft

LINIO NEON EOS TV

Vertical Bending · Static White

Photometry



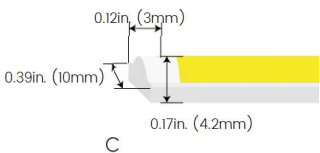
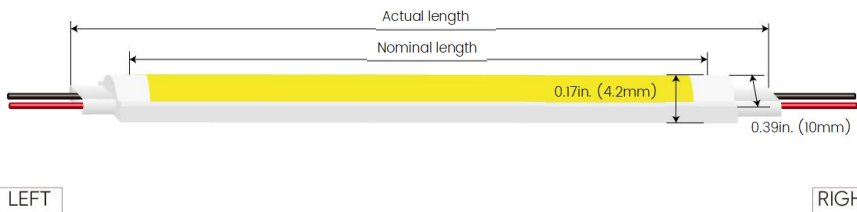
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	42.4	21.9%
0-40	69.8	36%
0-60	127.2	65.6%
0-90	182.9	94.3%
0-180	194	100%

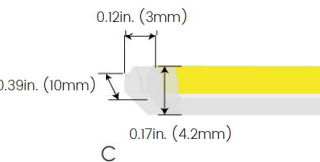
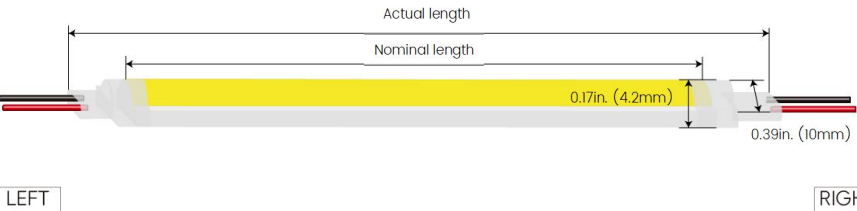
UNIT: CD
— C0/180, 135.3
— C30/210, 128.8
— C60/240, 116.6
— C90/270, 113.4

Feed Entry / End Cap Options

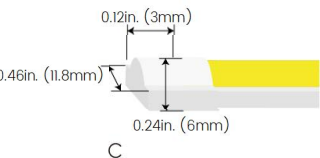
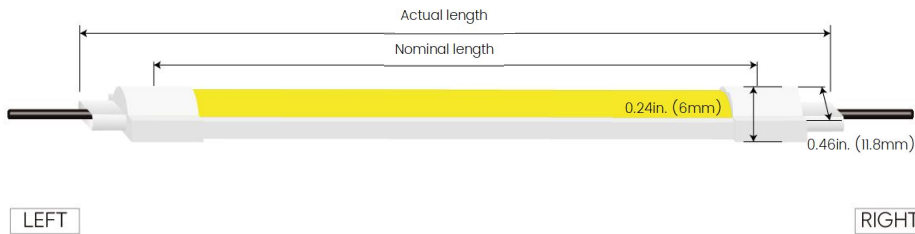
IJ: Injected end cap – IP65, factory-made only



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



SEC: Silicone end cap – IP65



Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28ft (1m), 24 AWG (wire length customizable)

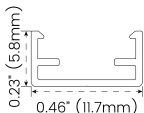
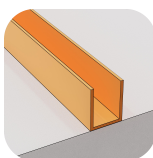
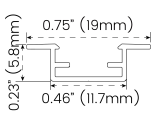
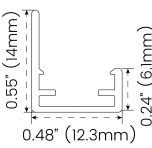
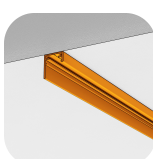
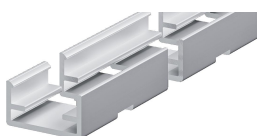
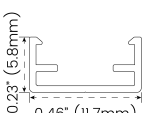
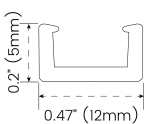
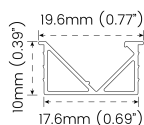
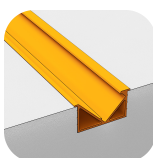
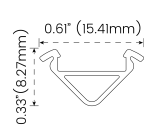
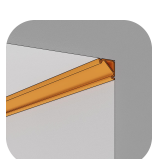
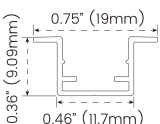
MC: Male connector, Standard 0.98ft (30cm), 22 AWG

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

LINIO NEON EOS TV

Vertical Bending · Static White

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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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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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)
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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)
Name	Mounting clip								
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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Vertical Bending · Static White

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-2P-10
Silicone end cap front entry with 0.66ft
(20cm) cable, 2 pin



LNEOS-STC-2P-10
Strip to cable connector with 0.66ft
(20cm) cable, IP20, 2 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

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Vertical Bending · Static 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. (15.5 x 5.4 x 2cm)
KV-24060-ASW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KV-24096-ASW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)

Phase cut/Triac-dimmable							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVF-24030-TDW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVF-24060-TDW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVF-24096-TDW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
KVF-24030-TDWJ	30W				Yes	Dry/Damp	6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)
KVF-24060-TDWJ	60W						7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)
KVF-24096-TDWJ	96W						8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)
KVF-24192-TDWJ	192W (96Wx2)						10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVF-24288-TDWJ	288W (96Wx3)						11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVF-24384-TDWJ	384W (96Wx4)						12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm)

4 in 1-dimmable (0-10V/1-10V/Potentiometer/10V PWM)							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVD-24060-DIM	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVD-24096-DIM	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
KVD-24030-DIMJ	30W				Yes	Dry/Damp	6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)
KVD-24060-DIMJ	60W						7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)
KVD-24096-DIMJ	96W						8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)
KVD-24192-DIMJ	192W (96Wx2)						10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVD-24288-DIMJ	288W (96Wx3)						11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVD-24384-DIMJ	384W (96Wx4)						12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm)

5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVG-24060-DW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVG-24096-DW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)
KVG-24030-DWJ	30W				Yes	Dry/Damp	6.5 x 3.7 x 1.6in. (16.5 x 9.5 x 4cm)
KVG-24060-DWJ	60W						7.4 x 3.7 x 1.6in. (18.8 x 9.5 x 4cm)
KVG-24096-DWJ	96W						8.7 x 3.7 x 1.6in. (22 x 9.5 x 4cm)
KVG-C24192-DWJ	192W (96Wx2)						10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVG-C24288-DWJ	288W (96Wx3)						11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVG-C24384-DWJ	384W (96Wx4)						12.8 x 5.5 x 1.9in. (32.5 x 14 x 4.8cm)

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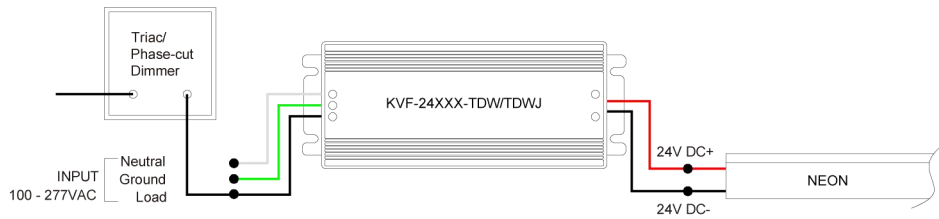
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Wiring Diagram

Non-dimmable



Phase cut/Triac-dimmable



4 in 1-dimmable (0-10V/1-10V/Potentiometer/10V PWM)



5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)



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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)