

LINIO NEON EOS TV RGB

Vertical Bending · RGB

Features

- Neon & tape in one hybrid design, with changeable RGB colors
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

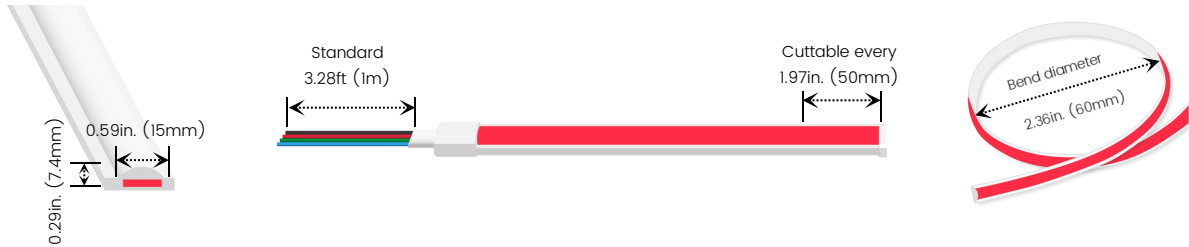
Applications

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	RGB-RGB	457~4.57W/ft	IJ IJC SEC	F Front OW Open wire 3.28ft (1m) C Closed NA Only for Closed Feed Entry

Assembly Builder

*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 NA Only for Closed Feed Entry	Max. nominal 16.4ft (5m) Increment 1.97in. (50mm)

Mounting Order Code

Product Code
Please select on the Mounting Options page.

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

Lumen Output (lm/ft)	
Temp./Color	4.57W/ft
R	32
G	115
B	21
RGB	160
Max. Run for Class 2	16.4ft (5m)
Max. Run Supported Length	16.4ft (5m)

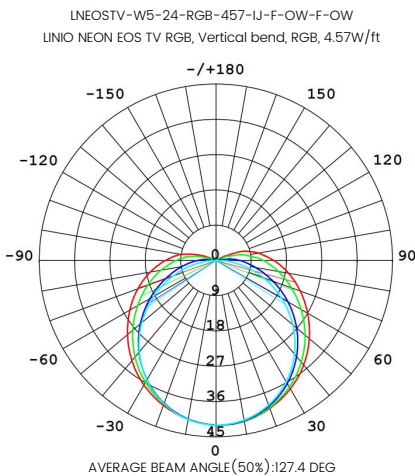
Technical Details

Efficacy	35.0lm/w @RGB 4.57W
Beam Angle	110°
Average Life(L70)	> 38,000 hours
Storage Temperature	-13~140°F (-25°C~ 60°C)
Operating Temperature	-40~113°F (-40°C~ 45°C)

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Photometry



Zonal Lumen Summary RGB

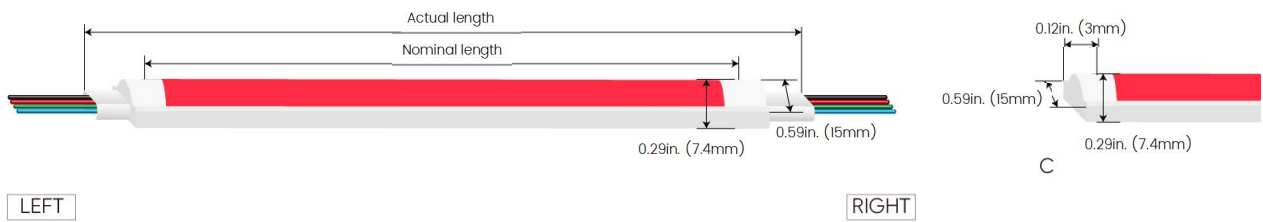
Zone	Lumen	% Fixture
0-30	32.9	20.6%
0-40	54.4	34%
0-60	100.2	62.6
0-90	147.3	92.1%
0-180	160	100%

UNIT: CD

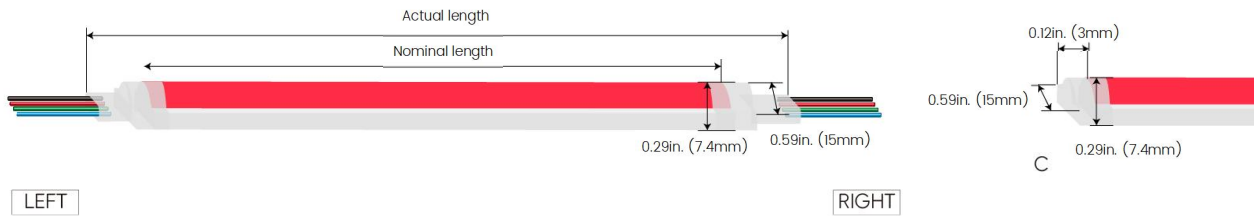
- C0/180, 145.1
- C30/210, 133.4
- C60/240, 117.7
- C90/270, 113.4

Feed Entry / End Cap Options

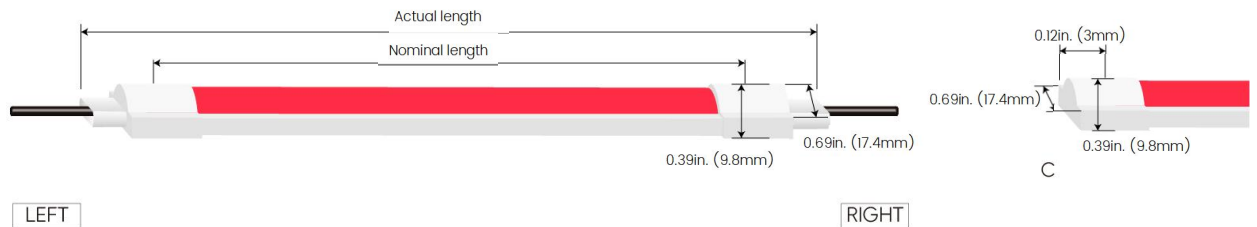
IJ: Injected end cap – IP65, factory-made only



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



SEC: Silicone end cap – IP65



Connector Wire Options



OW: Open wire, Dry only

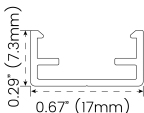
Standard 3.28ft (1m), 20 AWG (wire length customizable)

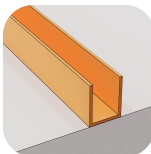
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Mounting Options



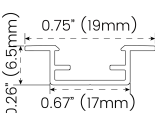


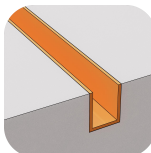


LNEOS-SC-15

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



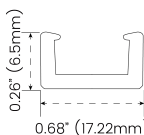


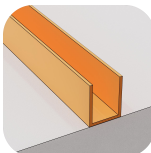


LNEOS-RC-15

Name	Straight recessed channel
Material	Aluminum
Standard Length	3.28ft (1M)







LNEOS-CL-15

Name	Mounting clip
Material	Silicone
Standard Length	0.55in. (14mm)

End Caps (Optional, purchase for extra)

	
LNEOS-SEC-C-15 Silicone closed end cap for 0.59in. (15mm) wide LINIO NEON EOS TV series	LNEOS-SEC-F-4P-15 Silicone end cap front entry with 0.66ft (20cm) cable, 4 pin

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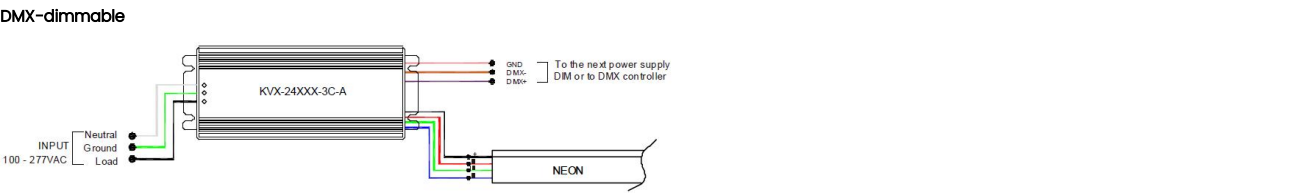
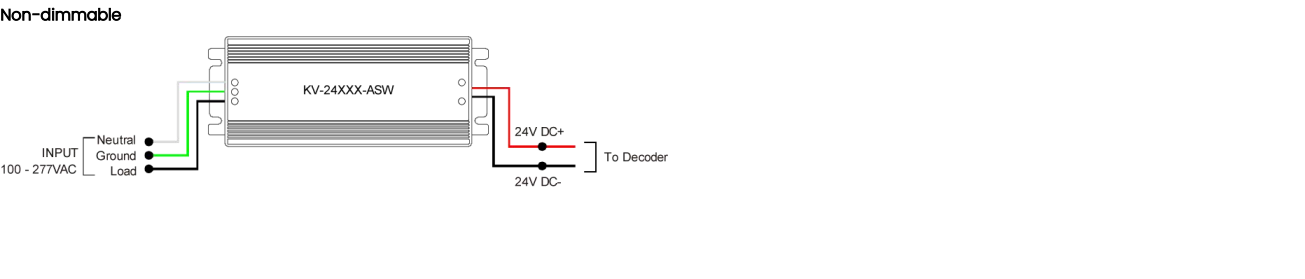
Drivers

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)

DMX-dimmable							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVX-24100-3C-A	100W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.05 x 3.07 x 0.98in. (230 x 78x 25cm)
KVX-24150-3C-A	150W						10.9* x 3.07 x 0.98in. (277 x 78x 25cm)
KVX-24200-3C-A	200W			No			10.9* x 3.07 x 0.98in. (277 x 78x 25cm)
KVX-24300-3C-A	300W						11.85 x 3.07 x 0.98in. (301 x 78x 25cm)

DMX Decoders		Controllers	
Code	Description	Code	Description
LT-903	3 channels output, up to 576W output power	DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
LT-912	12 channels output, up to 1152W output power	SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
LT-924	24 channels output, up to 1728W output power	STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
		STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons

Wiring Diagram



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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)