

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.

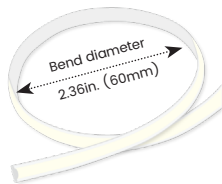
Date

Fixture type

Project name

Project phase

Bending Directions & Diameters



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry				
LNEOSTVHE	W5-Wet (IP65)	24V-DC24V	27K65K-2700K+6500K	4.2-4.15W/ft	FT Flush Translucent FO Flush Opaque	F Front C Closed	OW	MC	FC	NA
							Open wire 3.28ft (1m)	Male connector with 11.81in. (300mm) cable	Female connector with 11.81in. (300mm) cable	Only for Closed Feed Entry

Assembly Builder

Right Feed Entry				Length	
F	Front	OW	Open wire 3.28ft (1m)	Max. nominal	16.4ft (5m)
C	Closed	MC	Male connector with 11.81in. (300mm) cable	Increment	1.31in. (33.33mm)
		FC	Female connector with 11.81in. (300mm) cable		
		NA	Only for Closed Feed Entry		

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)

CCT	4.15W/ft
■ 2700K	186
■ 6500K	180
■ 2700K+6500K	366
Max. Run for Class 2*	16.4ft (5m)
Max. Run Supported Length	16.4ft (5m)

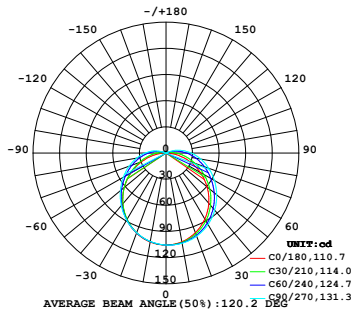
*Typically installations in USA and Canada comply with Class 2 requirements

Technical Details

Efficacy	88lm/W @2700K+6500K 4.15W
CRI	Ra≥90
Beam Angle	120°
LED MacAdam	3 steps
Average Life (L80B10)	>47,000 hours
Storage Temperature	-40°F~-113°F (-40°C~ 45°C)
Operating Temperature	-40°F~-113°F (-40°C~ 45°C)

Photometry

LNEOSTVHE-W5-24V-27K65K-4.2-FT-F-OW-F-OW
 LINIO NEON EOS TV HE TW, Vertical Bend, 3000K, 4.15W/ft

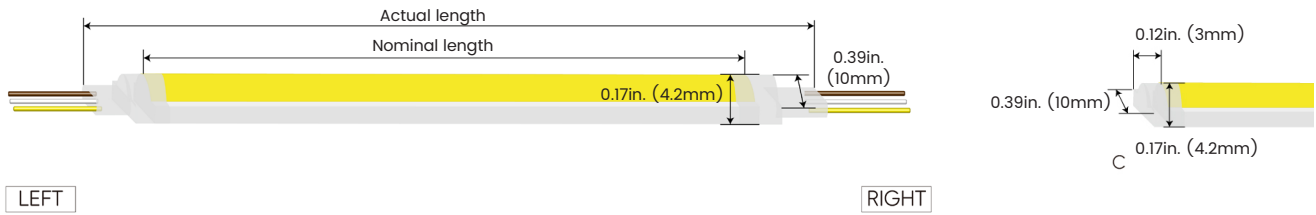


Zonal Lumen Summary

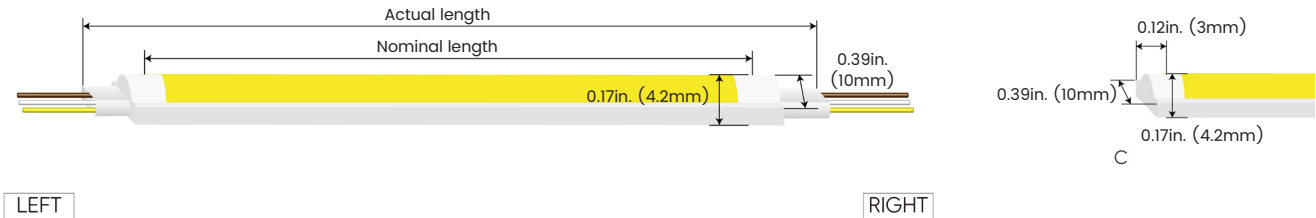
Zone	Lumen	% Fixture
0-30	82.2	22.5%
0-40	135.1	37.0%
0-60	243.9	66.7%
0-90	344.9	94.3%
0-180	365.7	100.0%

Feed Entry / End Cap Options

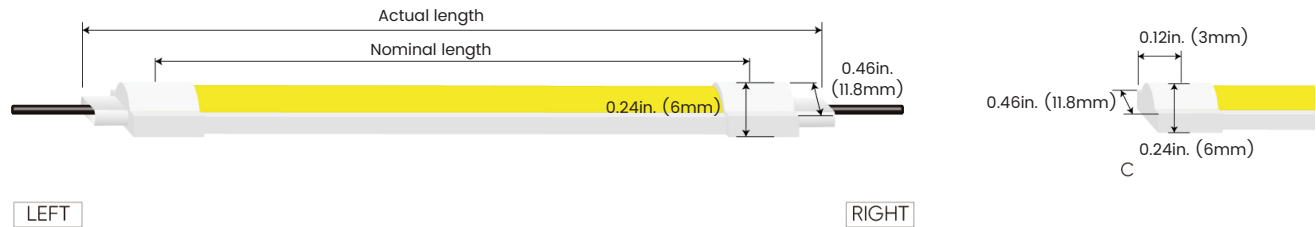
FT: Flush Translucent – IP65, factory-made only



FO: Flush Opaque – IP65, factory-made only



Silicone end cap – IP65, for field cuttable only



Connector Wire Options



OW: Open wire, Dry only
Standard 11.81in. (300mm), 20 AWG,
wire length customizable

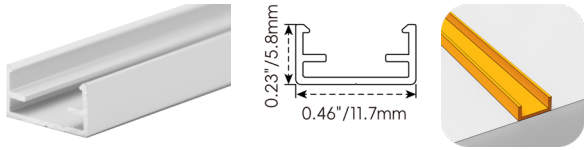


MC: Male connector,
Standard 11.81in. (300mm), 22 AWG

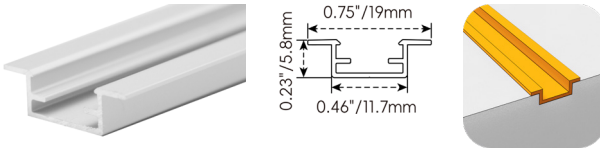


FC: Female connector,
Standard 11.81in. (300mm), 22 AWG

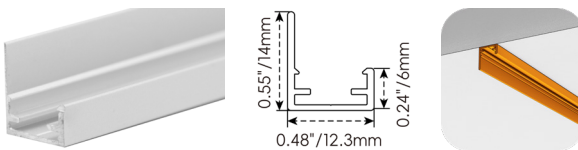
Mounting Options



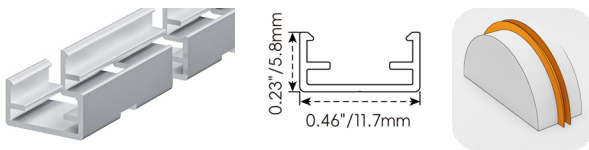
NFEOS-SC-10	
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft(1m)



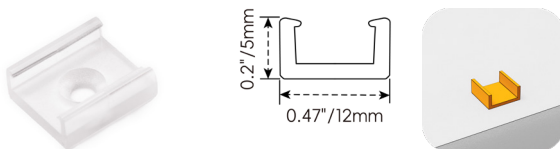
NFEOS-RC-10	
Name	Straight recessed channel
Material	Aluminum
Standard Length	3.28ft(1m)



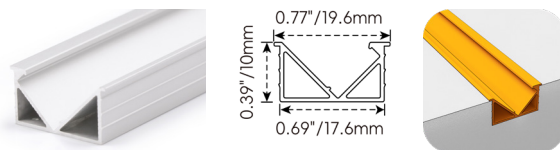
NFEOS-LBC-10	
Name	Light-block channel
Material	Aluminum
Standard Length	3.28ft(1m)



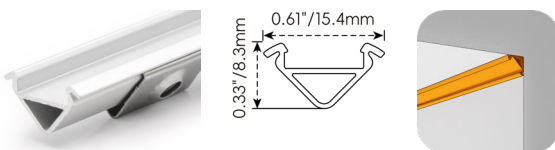
NFEOS-BC-10	
Name	Bendable surface channel
Material	Aluminum
Standard Length	3.28ft(1m)



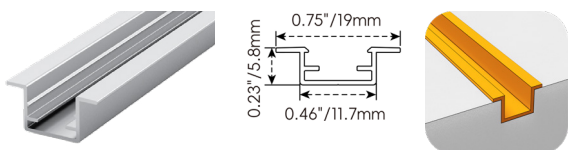
NFEOS-CL-10	
Name	Mounting clip
Material	Silicone
Standard Length	0.55in.(14mm)



NFEOS-RKC-10	
Name	45° Recessed kicker channel
Material	Aluminum
Standard Length	3.28ft(1m)

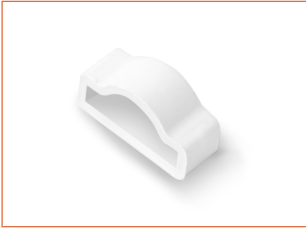


NFEOS-TSC-10	
Name	45° Triangular surface channel
Material	Aluminum
Standard Length	3.28ft(1m)



NFEOS-DRC-10	
Name	Deep recessed channel
Material	Aluminum
Standard Length	3.28ft(1m)

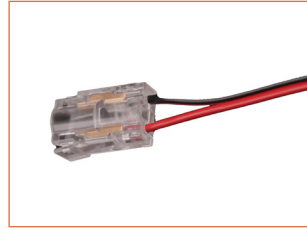
Silicone End Caps (Optional, purchase for extra)



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

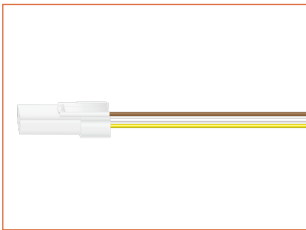


NFEOS-SEC-F-3P-10
Silicone end cap front entry with 7.87in.
(200mm) cable, 3 pin

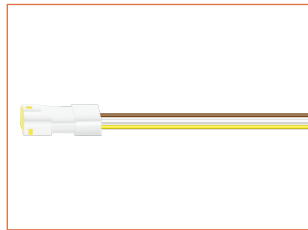


NFEOS-STC-2P-10
Strip to cable connector with 7.87in.
(200mm) cable, IP20, 2 pin

Additional Accessories (Optional, purchase for extra)



MJST-3P-67
Male connector with 11.81in. (300mm)
white cable, 3 pin, 22 AWG



FJST-3P-67
Female connector with 11.81in.
(300mm) white cable, 3 pin, 22 AWG



NFEOS-MT-10
Installation Roller Tool with Wooden
Handle



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

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. (155 x 54 x 20mm)
KV-24060-ASW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KV-24096-ASW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)

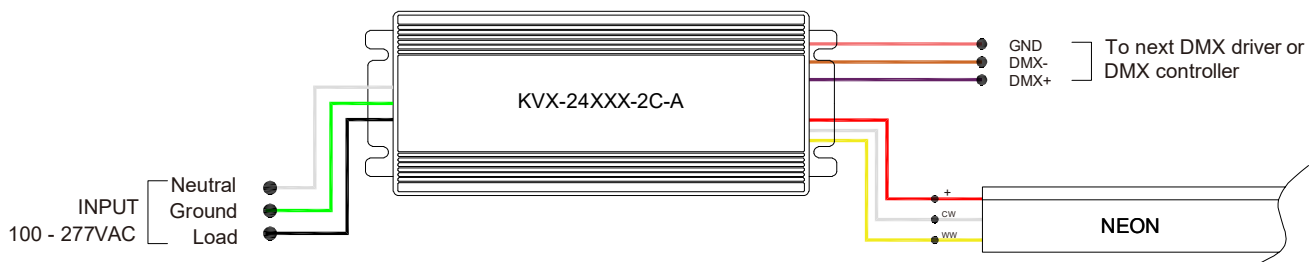
DMX-dimmable

Code	Max Load	Input	Output	Class 2	Environment	Size (L x W x H)
KVX-24096-2C-A	96W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 x 3.07 x 0.98 in. (230 x 78 x 25 mm)
KVX-24150-2C-A	150W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 x 3.07 x 0.98 in. (277 x 78 x 25 mm)
KVX-24200-2C-A	200W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 x 3.07 x 0.98 in. (277 x 78 x 25 mm)
KVX-24300-2C-A	300W	100-277VAC	24V	No	Dry/Damp/Wet	11.85 x 3.07 x 0.98 in. (301 x 78 x 25 mm)

DMX-Decoders & Controllers Options

Type	Code	Description	Size (L x W x H)
DMX-Decoders	LT-903	3 channels output, up to 576W output power	4.80 x 4.33 x 1.46 in. (122 x 110 x 37 mm)
DMX-Decoders	LT-912	12 channels output, up to 1152W output power	7.09 x 4.80 x 1.54 in. (180 x 122 x 39 mm)
DMX-Decoders	LT-924	24 channels output, up to 1728W output power	11.81 x 4.80 x 1.54 in. (300 x 122 x 39 mm)
Controllers	DINA-DR micro	DMX 60 channels stand-alone controller with 10 scenes and USB programming	2.05 x 1.14 x 0.94 in. (52 x 29 x 24 mm)
Controllers	SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes	3.03 x 3.43 x 1.57 in. (77 x 87 x 40 mm)
Controllers	STICK-CW4	DMX 1024 channels controller with 36 scenes and 6 touch buttons	4.17 x 5.75 x 0.39 in. (106 x 146 x 10 mm)

Wiring Diagram



LINIO NEON EOS TV HE TW

Vertical Bending · Tunable White

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)