

LINIO NEON EOS TV Indoor/Semi-Outdoor · Vertical Bending · Static White

Features

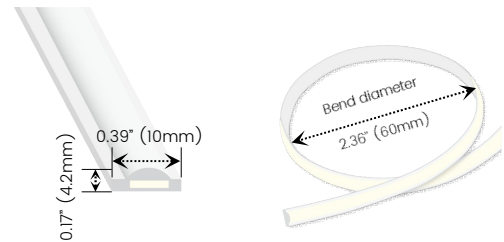
- Hybrid neon tape, completely dot-free
- Field cuttable & joinable
- Low voltage DC24V
- 100-300 lumen outputs
- IP65 rated, ideal for indoor or covered outdoor uses
- 5 years warranty



Date	Fixture type
Project name	Project phase



Dimension



Order Code

Series	Environment	Voltage	Temp./Color	Power
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
				~100 lm/ft
				~200 lm/ft
				~300 lm/ft

Assembly Builder

End Cap ¹	Left Feed Entry	Right Feed Entry	Illuminated Length ²
IJ Injected (IP65)	F Front	OW Open wire 3.28'	Max. 16.4' -1.46W
IJC Clear injected (IP65)	C Closed	MC Male connector with 0.98' cable	16.4' -2.93W
SEC Silicone (IP65)	FC Female connector with 0.98' cable	FC Female connector with 0.98' cable	16.4' -4.39W
	NA Only for Closed Feed Entry	NA Only for Closed Feed Entry	Increment 0.98'

1. Injected and clear injected end cap are factory-made only.

2. Production length = Illuminated length + End cap extension length (refer to below page for extension length of each end cap)

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 Low Voltage (ft)	16.4	16.4	16.4
Max. Run Length (ft)	16.4	16.4	16.4
Storage Temperature	-13~140°F	-13~140°F	-13~140°F
Ambient Temperature	-13~113°F	-13~113°F	-13~113°F

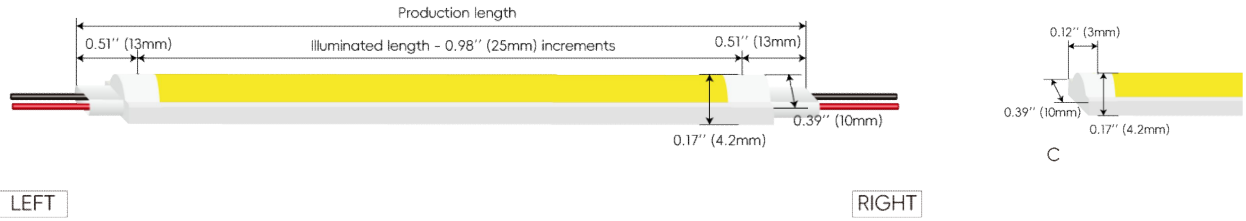
Technical Details

Efficacy	64.5lm/W @4000K 2.93W
CRI	Ra ≥ 90
Beam Angle	110°
LED MacAdam	3 steps
Life (L70)	> 102,000 hours
Max. Length Per Reel	98.4' (30M)
Finish	Matte

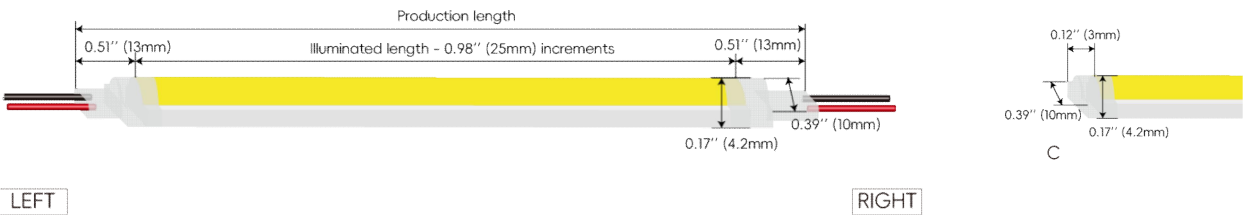
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Feed Entry / End Cap Options

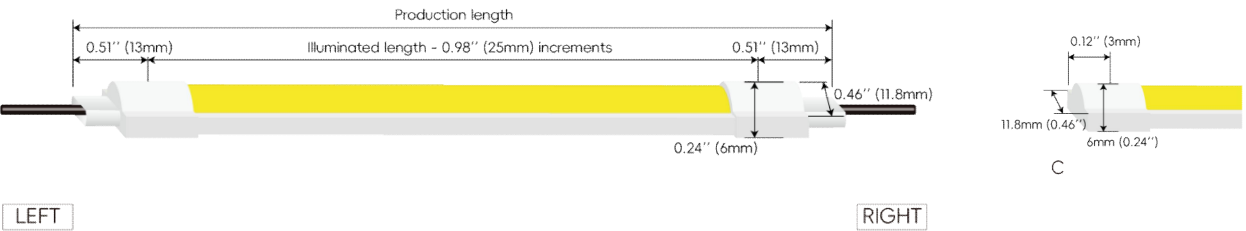
IJ: Injected end cap – IP65, factory-made only



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



SEC: Silicone end cap – IP65



Connector Wire Options



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



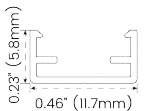
MC: Male connector, **Wet**
Standard 0.98' (30cm), 20 AWG



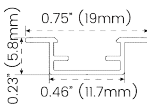
FC: Female connector, **Wet**
Standard 0.98' (30cm), 20 AWG

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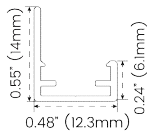
Mounting Options



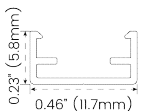
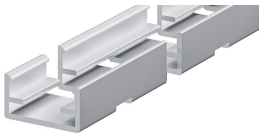
LNEOS-SC-10	
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28' (1M)



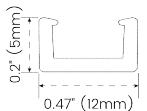
LNEOS-RC-10	
Name	Straight recessed channel
Material	Aluminum
Standard Length	3.28' (1M)



LNEOS-LBC-10	
Name	Light-block channel
Material	Aluminum
Standard Length	3.28' (1M)



LNEOS-BC-10	
Name	Bendable surface channel
Material	Aluminum
Standard Length	3.28' (1M)



LNEOS-CL-10	
Name	Mounting clip
Material	Silicone
Standard Length	0.55' (14MM)

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Drivers

Non-dimmable

Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KV-24030-ASW	30W	100-277VAC	24V	No	Yes	Dry/Damp	6.10" *2.12" *0.78"
KV-24060-ASW	60W	100-277VAC	24V	No	Yes	Dry/Damp	7.00" *2.40" *0.94"
KV-24096-ASW	96W	100-277VAC	24V	No	Yes	Dry/Damp/Wet	9.05" *2.75" *1.69"
KV-24150-ASW	150W	100-277VAC	24V	No	No	Dry/Damp/Wet	10.07" *3.07" *1.85"
KV-24200-ASW	200W	100-277VAC	24V	No	No	Dry/Damp/Wet	10.07" *3.07" *1.85"
KV-24300-ASW	300W	100-277VAC	24V	No	No	Dry/Damp/Wet	10.86" *3.07" *1.85"

Phase cut/Triac-dimmable

Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KVF-24030-TDW	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.10" *2.12" *0.78"
KVF-24060-TDW	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.00" *2.40" *0.94"
KVF-24096-TDW	96W	100-277VAC	24V	Yes	Yes	Dry/Damp/Wet	9.05" *2.75" *1.69"
KVF-24150-TDW	150W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.00" *3.07" *1.85"
KVF-24200-TDW	200W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.00" *3.07" *1.85"
KVF-24300-TDW	300W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.87" *3.07" *1.85"

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

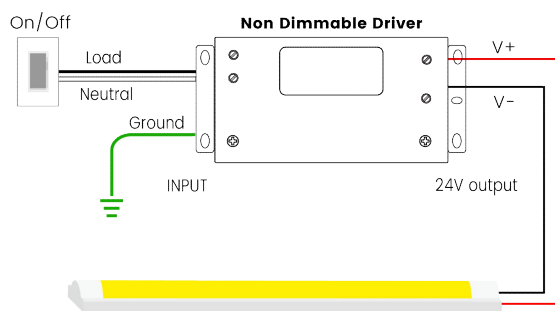
Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.10" *2.12" *0.78"
KVD-24060-DIM	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.01" *2.40" *0.94"
KVD-24096-DIM	96W	100-277VAC	24V	Yes	Yes	Dry/Damp/Wet	9.05" *2.75" *1.69"
KVD-24150-DIM	150W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.08" *3.07" *1.85"
KVD-24200-DIM	200W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	13.38" *11.02" *7.28"
KVD-24300-DIM	300W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.87" *3.07" *1.89"

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

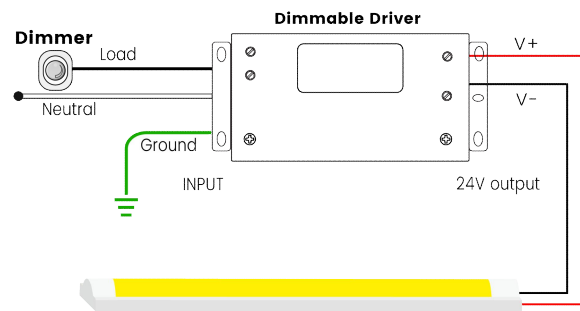
Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L *W *H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.10" *2.13" *0.79"
KVG-24060-DW	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.01" *2.41" *0.94"
KVG-24096-DW	96W	100-277VAC	24V	Yes	Yes	Dry/Damp/Wet	9.06" *2.76" *1.69"
KVG-24150-DW	150W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.08" *3.07" *1.85"
KVG-24200-DW	200W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.08" *3.07" *1.85"
KVG-24300-DW	300W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	10.87" *3.07" *1.89"

Wiring Diagram

Non-dimmable



Triac-Dimmable



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Connectors (Optional, purchase for extra)



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



LNEOS-SEC-F-2P-10
Silicone end cap front entry with 0.66" (20cm) cable, 2 pin



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

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector with 0.98' (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



FCW-2P-67
Female connector with 0.98' (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector with 0.98' (30cm) black cable, 2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector with 0.98' (30cm) black cable, 2 pin, IP67, Wet, 20 AWG