

# LINIO NEON EOS TV HE

Indoor · Vertical Bending · Static White

## Features

- High efficacy up to 102.7lm/W
- Field cuttable & joinable
- Low voltage DC24V
- 300-400 lumen outputs
- IP65 rated, ideal for indoor uses
- 5 years warranty



Date

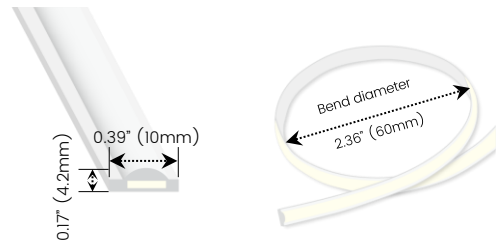
Fixture type

Project name

Project phase



## Dimension



## Order Code

| Series    | Environment   | Voltage  | Temp./Color                                                          | Power                                              |
|-----------|---------------|----------|----------------------------------------------------------------------|----------------------------------------------------|
| LNEOSTVHE | W5 Wet (IP65) | 24 DC24V | 22 2200K<br>27 2700K<br>30 3000K<br>35 3500K<br>40 4000K<br>57 5700K | 293 2.93W/ft ~300 lm/ft<br>439 4.39W/ft ~400 lm/ft |

## Assembly Builder

| End Cap <sup>1</sup>      | Left Feed Entry                             | Right Feed Entry                            | Illuminated Length <sup>2</sup> |
|---------------------------|---------------------------------------------|---------------------------------------------|---------------------------------|
| IJ Injected (IP65)        | F Front OW Open wire 3.28'                  | F Front OW Open wire 3.28'                  | Max. 49.2' ~2.93W               |
| IJC Clear injected (IP65) | C Closed MC Male connector with 0.98' cable | C Closed MC Male connector with 0.98' cable | 32.8' ~4.39W                    |
| SEC Silicone (IP65)       | FC Female connector with 0.98' cable        | FC Female connector with 0.98' cable        | Increment 0.98'                 |
|                           | NA Only for Closed Feed Entry               | NA Only for Closed Feed Entry               |                                 |

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                           | 2.93W/ft  | 4.39W/ft  |
|---------------------------------------|-----------|-----------|
| 2200K                                 | 272       | 404       |
| 2700K                                 | 281       | 413       |
| 3000K                                 | 290       | 426       |
| 3500K                                 | 293       | 432       |
| 4000K                                 | 301       | 443       |
| 5700K                                 | 299       | 445       |
| Max. Run for Class 2 Low Voltage (ft) | 26.2      | 17.5      |
| Max. Run Length (ft)                  | 49.2      | 32.8      |
| Storage Temperature                   | -13~140°F | -13~140°F |
| Ambient Temperature                   | -13~113°F | -13~113°F |

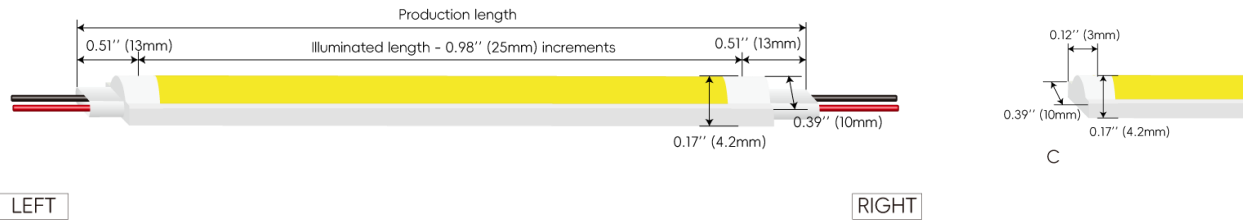
## Technical Details

|                      |                        |
|----------------------|------------------------|
| Efficacy             | 102.7lm/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                  |

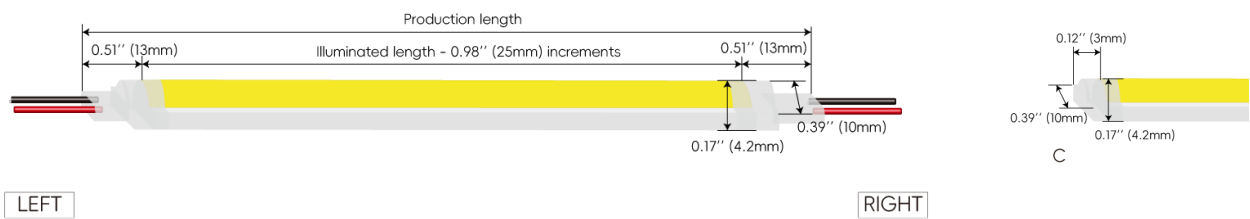
# LINIO NEON EOS TV HE Indoor · Vertical Bending · Static White

## Feed Entry / End Cap Options

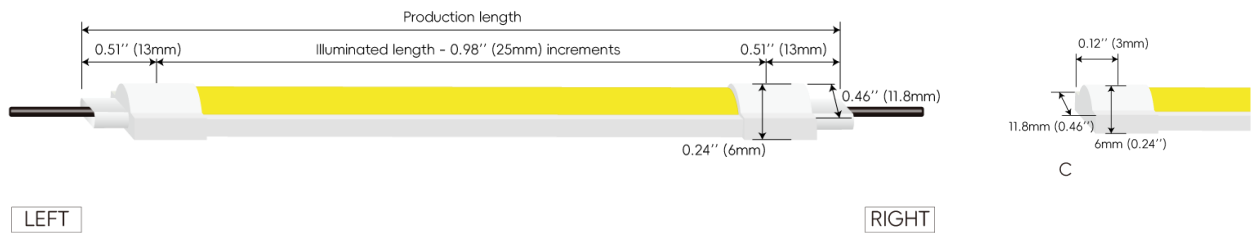
**IJ:** Injected end cap – IP65, factory-made only



**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)



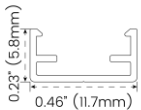
**MC:** Male connector, **Wet**  
Standard 0.98' (30cm), 20 AWG



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

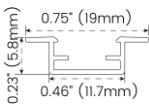
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Mounting Options



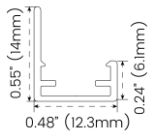
LNEOS-SC-10

|                 |                          |
|-----------------|--------------------------|
| Name            | Straight surface channel |
| Material        | Aluminum                 |
| Standard Length | 3.28' (1M)               |



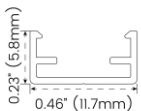
LNEOS-RC-10

|                 |                           |
|-----------------|---------------------------|
| Name            | Straight recessed channel |
| Material        | Aluminum                  |
| Standard Length | 3.28' (1M)                |



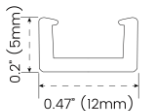
LNEOS-LBC-10

|                 |                     |
|-----------------|---------------------|
| 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)

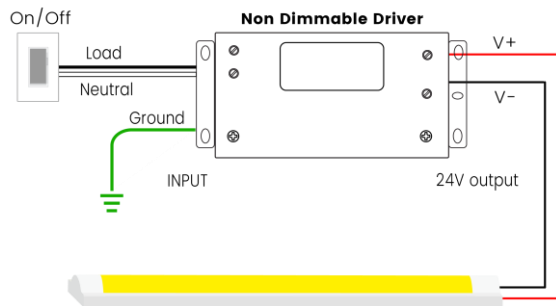
| Code          | Max Load | Input      | Output | Dimmable | Class 2 | Environment  | Size (L *W *H)        |
|---------------|----------|------------|--------|----------|---------|--------------|-----------------------|
| KVD-24030-DIM | 30W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 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)

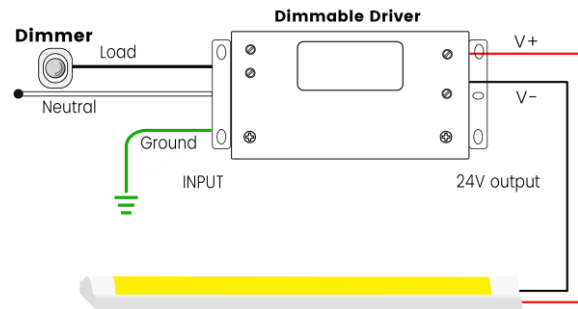
| Code         | Max Load | Input      | Output | Dimmable | Class 2 | Environment  | Size (L *W *H)       |
|--------------|----------|------------|--------|----------|---------|--------------|----------------------|
| KVG-24030-DW | 30W      | 100-277VAC | 24V    | Yes      | Yes     | Dry/Damp     | 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



## 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