# LINIO NEON EOS TV HE TW

Vertical Bending · Tunable White

Date | Fixture type

Project name | Project phase

## Features

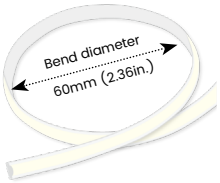
- Neon & tape in one hybrid design, high efficiency, tunable white from 2700K to 6500K
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

## Applications

Under cabinets, coves, shelves, closets, millwork, furnitures, etc.



## Bending Directions & Diameters




## Dimensions




## Order Code

| Model | Environment | Voltage | CCT | Power | End Cap | Left Feed Entry |
|---|---|---|---|---|---|---|
| **LNEOSTVHE** | W5-Wet (IP65) | **24V**-DC24V | **27K65K**-2700K+6500K | **136**-13.6W/M | **FT** Flush Translucent<br>**FO** Flush Opaque | **F** Front, **C** Closed<br>**OW** Open wire 300mm (11.81in.)<br>**MC** Male connector with 300mm (11.81in.) cable<br>**FC** Female connector with 300mm (11.81in.)cable<br>**NA** Only for Closed Feed Entry |

## Assembly Builder

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

*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 |

# LINIO NEON EOS TV HE TW

Vertical Bending · Tunable White

## Lumen Output (lm/m)

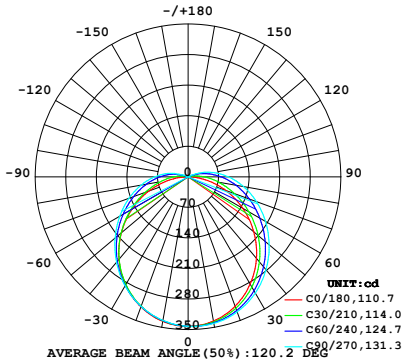
| CCT | 13.6W/M |
|---|---|
| 2700K | 610 |
| 6500K | 590 |
| 2700K+6500K | 1200 |
| Max. Run Length | 5m |

## Techinical Details

| | |
|---|---|
| Efficacy | 88.2lm/W @2700K+6500K 13.6W |
| CRI | Ra≥90 |
| Beam Angle | 120° |
| LED MacAdam | 3 steps |
| Average Life (L80B10) | >47,000 hours |
| Storage Temperature | -40°C~ 45°C |
| Operating Temperature | -40°C~ 45°C |

## Photometry

LNEOSTVHE-W5-24V-27K65K-136-FT-F-OW-F-OW
LINIO NEON EOS TV HE TW, Vertical Bend, 3000K, 13.6W/M




Zonal Lumen Summary

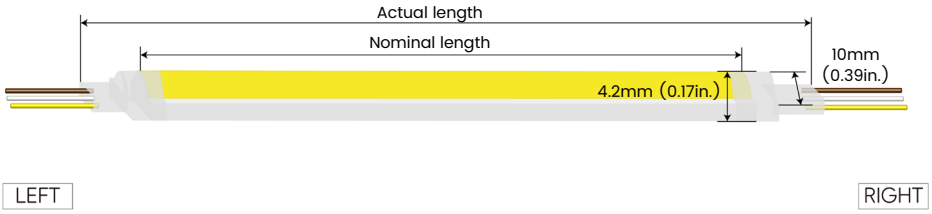
| Zone | Lumen | % Fixture |
|---|---|---|
| 0-30 | 266.7 | 22.5% |
| 0-40 | 438.4 | 37.0% |
| 0-60 | 791.3 | 66.7% |
| 0-90 | 1119 | 94.3% |
| 0-180 | 1187 | 100.0% |

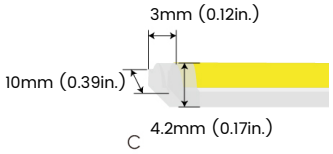
# LINIO NEON EOS TV HE TW

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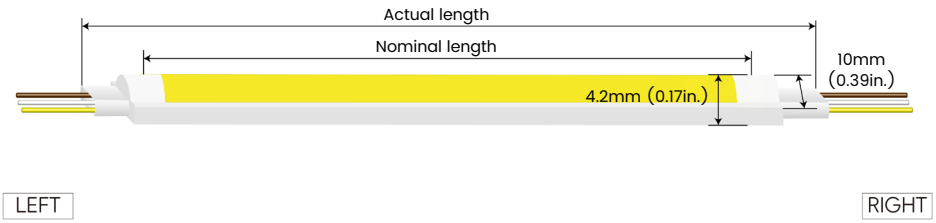
## Feed Entry / End Cap Options

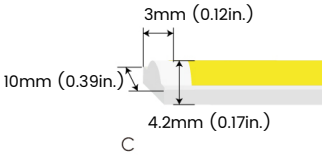
**FT: Flush Translucent – IP65, factory-made only**



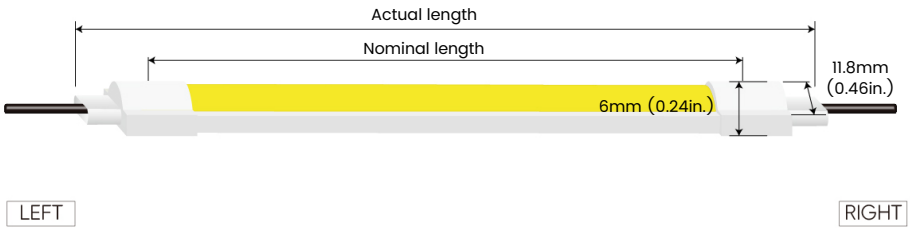



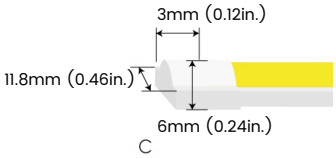

**FO: Flush Opaque – IP65, factory-made only**



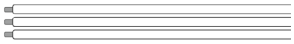




**Silicone end cap – IP65, for field cuttable only**




## Connector Wire Options



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

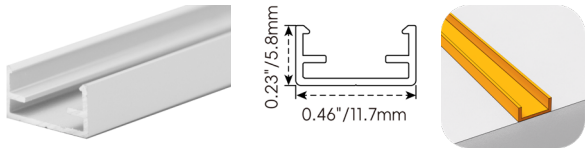


**MC:** Male connector,
Standard 300mm (11.81in.), 22 AWG



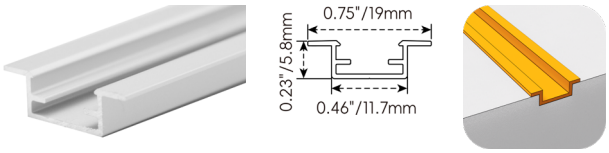
**FC:** Female connector,
Standard 300mm (11.81in.), 22 AWG

## Mounting Options



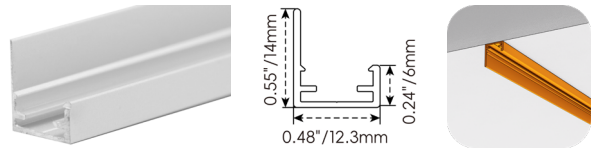

**NFEOS-SC-10**

| | |
|---|---|
| Name | Straight surface channel |
| Material | Aluminum |
| Standard Length | 1m(3.28ft ) |



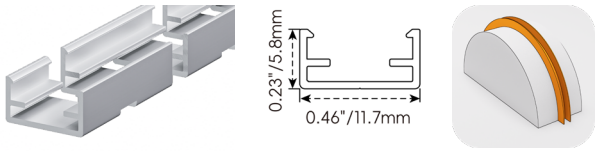

**NFEOS-RC-10**

| | |
|---|---|
| Name | Straight recessed channel |
| Material | Aluminum |
| Standard Length | 1m(3.28ft ) |



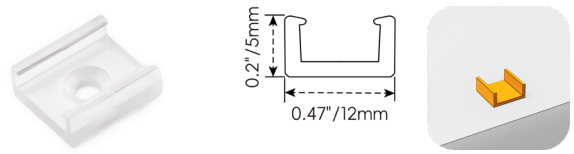

**NFEOS-LBC-10**

| | |
|---|---|
| Name | Light-block channel |
| Material | Aluminum |
| Standard Length | 1m(3.28ft ) |



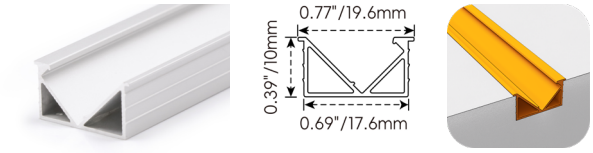

**NFEOS-BC-10**

| | |
|---|---|
| Name | Bendable surface channel |
| Material | Aluminum |
| Standard Length | 1m(3.28ft ) |



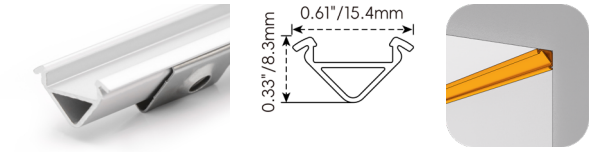

**NFEOS-CL-10**

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



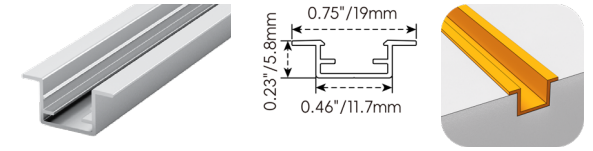

**NFEOS-RKC-10**

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




**NFEOS-TSC-10**

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



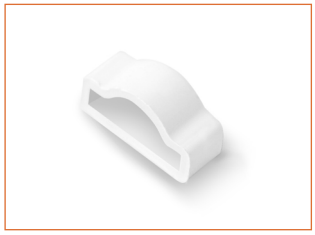

**NFEOS-DRC-10**

| | |
|---|---|
| Name | Deep recessed channel |
| Material | Aluminum |
| Standard Length | 1m(3.28ft ) |

# LINIO NEON EOS TV HE TW

Vertical Bending · Tunable White

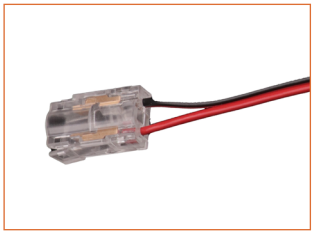
## Silicone End Caps (Optional, purchase for extra )



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

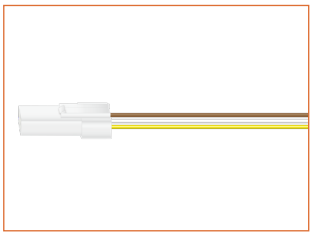


**NFEOS-SEC-F-3P-10**
Silicone end cap front entry with 200mm (7.87in.) cable, 3 pin

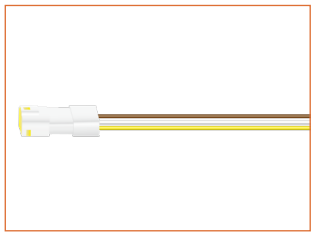


**NFEOS-STC-2P-10**
Strip to cable connector with 200mm (7.87in.) cable, IP20, 2 pin

## Additional Accessories (Optional, purchase for extra)



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



**FJST-3P-67**
Female connector with 300mm (11.81in.) 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

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## Drivers

### Non-dimmable

| Code | Max Load | Input | Output | Environment | Size (L x W x H) |
|---|---|---|---|---|---|
| ELG-150-24A-3Y | 150W | 100-305VAC | 24V | Dry/Damp/IP67 | 219 * 63 * 35.5 mm |
| LRS-150-24 | 150W | 85-132VAC / 170-264VAC | 24V | Dry | 159 * 97 * 30 mm |

### 0-10V Dimmable

| Code | Max Load | Input | Output | Environment | Size (L x W x H) |
|---|---|---|---|---|---|
| LM-100-24-G2A2 | 100W | 220-240VAC | 24V | Dry | 293 *43 *30mm |

### DALI-dimmable

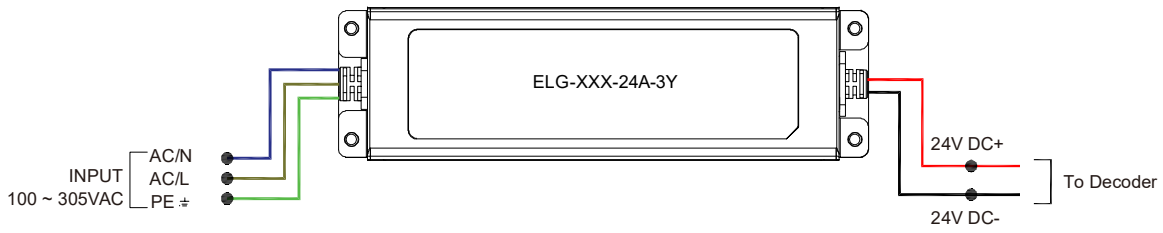
| Code | Max Load | Input | Output | Environment | Size (L x W x H) |
|---|---|---|---|---|---|
| LM-100-24-G2D2 | 100w | 220-240VAC | 24V | Dry | 293 *43 *30mm |

### Controller Options

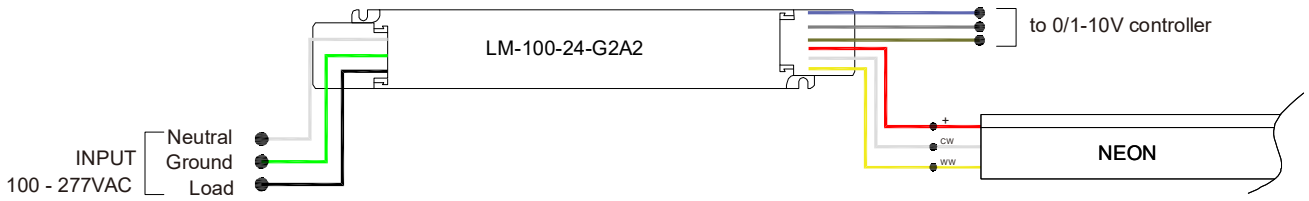
| Type | Code | Description | Environment | Size (L x W x H) |
|---|---|---|---|---|
| Controllers | M2+M3-3A | 3 channels output, Max. 3A current per channel, up to 216W output power | Indoor | 135 * 30 * 20 mm |

## Wiring Diagram

### Non-dimmable




### 0-10V Dimmable




### DALI-dimmable



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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 | 484.0m | 304.5m | 191.4m | 120.4m | 75.5m | 47.5m | 29.8m | 18.5m |
| 20W / 0.8A | 242.0m | 152.1m | 95.7m | 60.0m | 37.8m | 23.7m | 14.9m | 9.1m |
| 30W / 1.3A | 161.2m | 101.5m | 63.7m | 39.9m | 24.9m | 15.8m | 9.7m | 6.1m |
| 40W / 1.7A | 121.0m | 75.9m | 47.8m | 29.8m | 18.9m | 11.8m | 7.3m | 4.5m |
| 50W / 2.1A | 96.6m | 60.6m | 38.1m | 24.0m | 14.9m | 9.4m | 5.7m | 3.6m |
| 60W / 2.5A | 80.4m | 50.6m | 31.7m | 19.8m | 12.5m | 7.9m | 4.8m | 3.0m |
| 70W / 2.9A | 68.8m | 43.2m | 27.1m | 17.0m | 10.6m | 6.7m | 4.2m | 2.4m |
| 80W / 3.3A | 60.3m | 37.8m | 23.7m | 14.9m | 9.4m | 5.7m | 3.6m | 2.1m |
| 90W / 3.8A | 53.6m | 33.8m | 21.0m | 13.1m | 8.2m | 5.1m | 3.0m | 1.8m |
| 100W / 4.2A | 48.1m | 30.1m | 18.9m | 11.8m | 7.3m | 4.5m | 2.7m | 1.8m |
| 110W / 4.6A | 43.8m | 27.4m | 17.3m | 10.6m | 6.7m | 4.2m | 2.7m | 1.5m |
| 120W / 5.0A | 40.2m | 25.3m | 15.8m | 9.7m | 6.1m | 3.9m | 2.4m | 1.5m |
| 130W / 5.4A | 37.1m | 23.1m | 14.6m | 9.1m | 5.7m | 3.6m | 2.1m | 1.2m |
| 140W / 5.8A | 34.4m | 21.6m | 13.4m | 8.5m | 5.1m | 3.3m | 2.1m | 1.2m |
| 150W / 6.3A | 32.0m | 20.1m | 12.5m | 7.9m | 4.8m | 3.0m | 1.8m | 1.2m |
| 160W / 6.7A | 30.1m | 18.9m | 11.8m | 7.3m | 4.5m | 2.7m | 1.8m | 0.9m |
| 170W / 7.1A | 28.3m | 17.6m | 10.9m | 7.0m | 4.2m | 2.7m | 1.5m | 0.9m |
| 180W / 7.5A | 26.8m | 16.7m | 10.3m | 6.7m | 3.9m | 2.4m | 1.5m | 0.9m |
| 190W / 7.9A | 25.3m | 15.8m | 10.0m | 6.0m | 3.9m | 2.4m | 1.5m | 0.9m |
| 200W / 8.3A | 24.0m | 14.9m | 9.4m | 5.7m | 3.6m | 2.1m | 1.2m | 0.9m |
| 210W / 8.8A | 22.8m | 14.3m | 8.8m | 5.4m | 3.3m | 2.1m | 1.2m | 0.6m |
| 220W / 9.2A | 21.9m | 13.7m | 8.5m | 5.4m | 3.3m | 2.1m | 1.2m | 0.6m |
| 230W / 9.6A | 21.0m | 13.1m | 8.2m | 5.1m | 3.0m | 1.8m | 1.2m | 0.6m |
| 240W / 10.0A | 20.1m | 12.5m | 7.9m | 4.8m | 3.0m | 1.8m | 1.2m | 0.6m |
| 250W / 10.4A | 19.2m | 12.1m | 7.6m | 4.5m | 2.7m | 1.8m | 0.9m | 0.6m |