

LINIO NEON EOS TV PIXEL RGBW Indoor/Semi-Outdoor · Vertical Bending · Pixel RGBW

Features

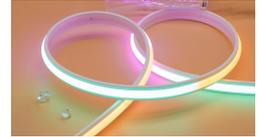
- Neon & tape in one hybrid design, addressable every increment with dynamic RGBW effects
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

Applications

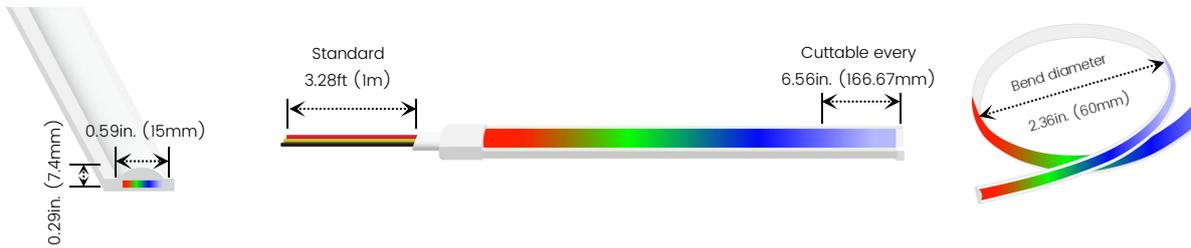
Under cabinets, coves, shelves, closets, millwork, furnitures, etc.

Date \_\_\_\_\_ Fixture type \_\_\_\_\_

Project name \_\_\_\_\_ Project phase \_\_\_\_\_



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	Temp./Color	Power	End Cap	Left Feed Entry
LNEOSTV	W5-Wet (IP65)	24-DC24V	PRGBW27-RGBW (W=2700K) PRGBW30-RGBW (W=3000K) PRGBW40-RGBW (W=4000K)	290-2.90W/ft	IJ Injected (IP65) IJC Clear injected (IP65) SEC Silicone (IP65)	F Front OW Open wire 3.28ft C Closed PMC Male connector with 0.98ft cable PFC Female connector with 0.98ft cable NA Only for Closed Feed Entry

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

Assembly Builder

Mounting Order Code

Right Feed Entry			Length	
F	Front	OW Open wire 3.28ft	Max nominal	32.8ft (10m)
C	Closed	PMC Male connector with 0.98ft cable	Increment	6.56in (166.67mm)
		PFC Female connector with 0.98ft cable		
		NA Only for Closed Feed Entry		

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	2.90W/ft
R	11
G	55
B	8
W27	33
W30	34
W40	32
RGBW27	101
RGBW30	107
RGBW40	104
Max. Run for Class 2	26.5ft (8m)
Max. Run Supported Length	32.8ft (10m)

Technical Details

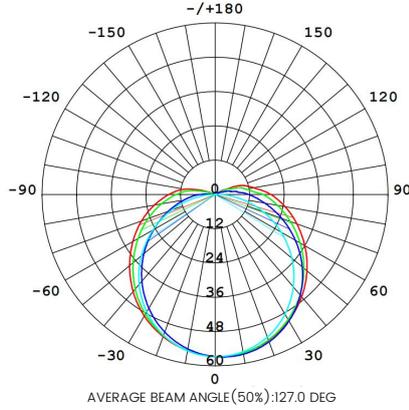
Efficacy	36.9lm/W @RGBW30 2.90W
CRI	Ra ≥ 90
Beam Angle	110°
Average Life (L70)	> 30,000 hours
Max. Length Per Reel	98.4ft (30M)
Dimming	SPI
IC Type	TM1824
Pixel/ft	1
Finish	Matte
Storage Temperature	-13-140°F (-25°C- 60°C)
Operating Temperature	-40-113°F (-40°C- 45°C)

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

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Photometry

LINEOSTV-W5-24-RGBW30-290-IJ-F-OW-F-OW  
 LINIO NEON EOS TV PIXEL RGBW, Vertical Bend, RGBW30, 2.90W/ft



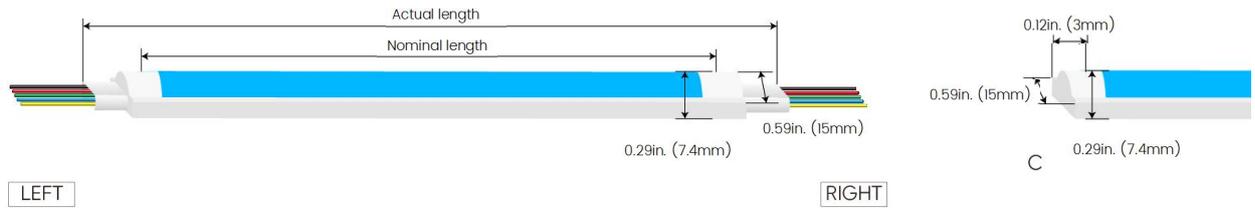
Zonal Lumen Summary RGBW30

Zone	Lumen	% Fixture
0-30	44.5	20.5%
0-40	73.6	33.9%
0-60	135.4	62.4%
0-90	198.8	91.6%
0-180	217	100%

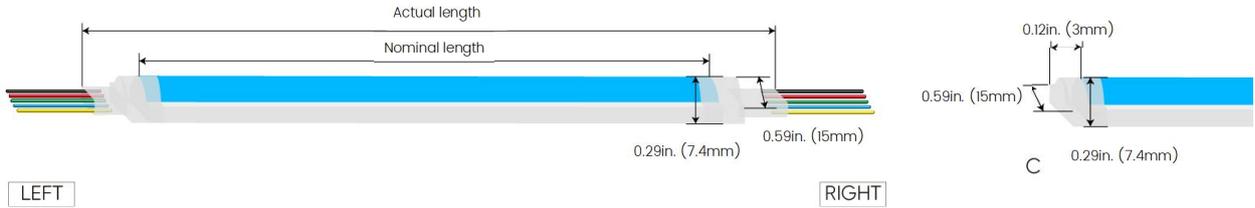
UNIT: CD  
 — C0/180, 141.2  
 — C30/210, 133.1  
 — C60/240, 119.8  
 — C90/270, 113.9

Feed Entry / End Cap Options

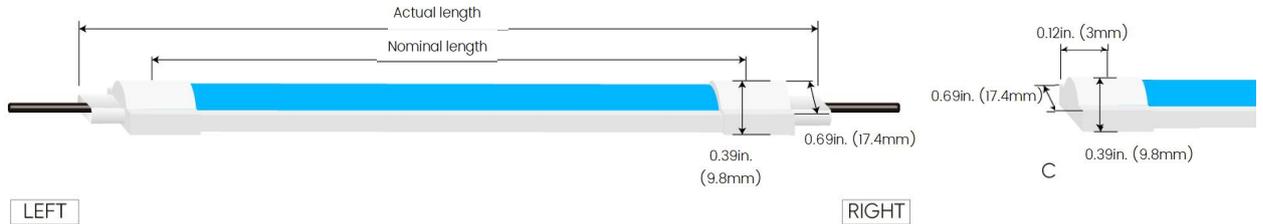
IJ: Injected end cap – IP65, factory-made only



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



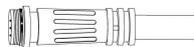
SEC: Silicone end cap – IP65



Connector Wire Options



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



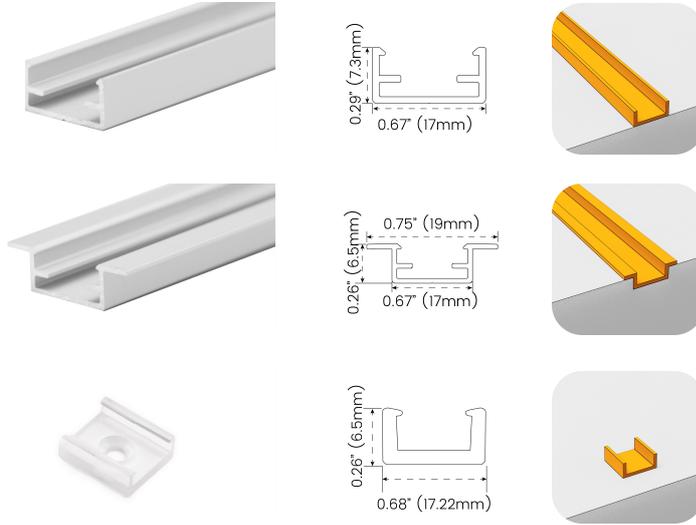
**PMC:** Male connector, **Wet**  
 Standard 0.98' (30cm), 22 AWG



**PFC:** Female connector, **Wet**  
 Standard 0.98' (30cm), 22 AWG

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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)



<p><b>LNEOS-SEC-C-15</b> Silicone closed end cap for 0.59in. (15mm) wide LINIO NEON EOS TV series</p>	<p><b>LNEOS-SEC-F-5P-15</b> Silicone end cap front entry with 0.66ft (20cm) cable, 5 pin</p>
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Additional Accessories (Optional, purchase for extra)



<p><b>PMCW-3P-67</b> Male connector with 0.98' (30cm) white cable, 3 pin, IP67, Wet, 22 AWG</p>	<p><b>PFCW-3P-67</b> Female connector with 0.98' (30cm) white cable, 3 pin, IP67, Wet, 22 AWG</p>	<p><b>PMCB-3P-67</b> Male connector with 0.98' (30cm) black cable, 3 pin, IP67, Wet, 22 AWG</p>	<p><b>PFCB-3P-67</b> Female connector with 0.98' (30cm) black cable, 3 pin, IP67, Wet, 22 AWG</p>	<p><b>SC-3P-67</b> Signal connector, 3 pin, IP67, Wet, standard 20' (6m), <b>customizable</b></p>
<p><b>MSC-3P-67</b> Male signal connector, 3 pin, IP67, Wet, standard 20' (6m), <b>customizable</b></p>	<p><b>FSC-3P-67</b> Female signal connector, 3 pin, IP67, Wet, standard 20' (6m), <b>customizable</b></p>	<p><b>NC-3P-67</b> Network signal connector, 3 pin, IP67, Wet, standard 20' (6m), <b>customizable</b></p>	<p><b>MFTCB-3P-67</b> Male and female T-shaped connector with black cable, 3 pin, IP67, Wet</p>	

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**Drivers**

**Non-dimmable**

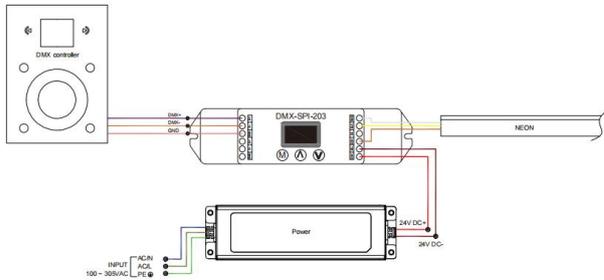
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KV-24030-ASW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KV-24060-ASW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KV-24096-ASW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)

**Controllers**

Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons
DMX-SPI-203	DMX-SPI controller for 1024 pixels, supports 540 modes, DMX512/1990 interface, RF remote included

**Wiring Diagram**

**Non-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
<b>10W / 0.4A</b>	1588ft (484.0m)	999ft (304.5m)	628ft (191.4m)	395ft (120.4m)	248ft (75.5m)	156ft (47.5m)	98ft (29.8m)	61ft (18.5m)
<b>20W / 0.8A</b>	794ft (242.0m)	499ft (152.1m)	314ft (95.7m)	197ft (60.0m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	30ft (9.1m)
<b>30W / 1.3A</b>	529ft (161.2m)	333ft (101.5m)	209ft (63.7m)	131ft (39.9m)	82ft (24.9m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)
<b>40W / 1.7A</b>	397ft (121.0m)	249ft (75.9m)	157ft (47.8m)	98ft (29.8m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)
<b>50W / 2.1A</b>	317ft (96.6m)	199ft (60.6m)	125ft (38.1m)	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)
<b>60W / 2.5A</b>	264ft (80.4m)	166ft (50.6m)	104ft (31.7m)	65ft (19.8m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)
<b>70W / 2.9A</b>	226ft (68.8m)	142ft (43.2m)	89ft (27.1m)	56ft (17.0m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	8ft (2.4m)
<b>80W / 3.3A</b>	198ft (60.3m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)
<b>90W / 3.8A</b>	176ft (53.6m)	111ft (33.8m)	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)
<b>100W / 4.2A</b>	158ft (48.1m)	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)
<b>110W / 4.6A</b>	144ft (43.8m)	90ft (27.4m)	57ft (17.3m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)
<b>120W / 5.0A</b>	132ft (40.2m)	83ft (25.3m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)
<b>130W / 5.4A</b>	122ft (37.1m)	76ft (23.1m)	48ft (14.6m)	30ft (9.1m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)
<b>140W / 5.8A</b>	113ft (34.4m)	71ft (21.6m)	44ft (13.4m)	28ft (8.5m)	17ft (5.1m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)
<b>150W / 6.3A</b>	105ft (32.0m)	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)
<b>160W / 6.7A</b>	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)
<b>170W / 7.1A</b>	93ft (28.3m)	58ft (17.6m)	36ft (10.9m)	23ft (7.0m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)	3ft (0.9m)
<b>180W / 7.5A</b>	88ft (26.8m)	55ft (16.7m)	34ft (10.3m)	22ft (6.7m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
<b>190W / 7.9A</b>	83ft (25.3m)	52ft (15.8m)	33ft (10.0m)	20ft (6.0m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
<b>200W / 8.3A</b>	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)	3ft (0.9m)
<b>210W / 8.8A</b>	75ft (22.8m)	47ft (14.3m)	29ft (8.8m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
<b>220W / 9.2A</b>	72ft (21.9m)	45ft (13.7m)	28ft (8.5m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
<b>230W / 9.6A</b>	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
<b>240W / 10.0A</b>	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
<b>250W / 10.4A</b>	63ft (19.2m)	40ft (12.1m)	25ft (7.6m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)	2ft (0.6m)