

# LINIO NEON 1617 RGBWW

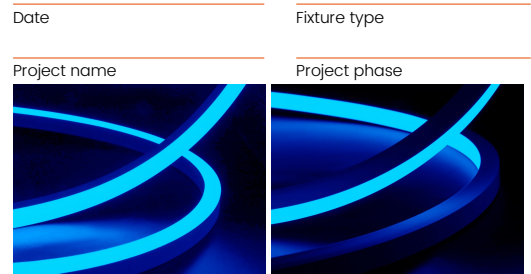
Outdoor · Vertical Bending · Horizontal Bending

### Features

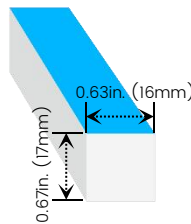
- Robust & uniform silicone body, changeable RGBWW colors
- IP67 rated, ideal for outdoor uses
- 5 years warranty

### Applications

Hotels, facades, gardens, parks, balconies, roofs, soffits, etc.

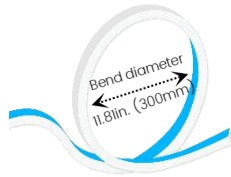


### Dimension (Vertical Bending · Horizontal Bending)



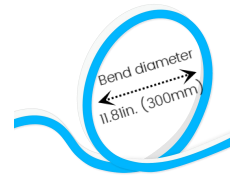
### Bending Directions & Diameters

TV - Top View (Vertical Bending)



\*Horizontal bending are prohibited.

SV - Side View (Horizontal Bending)



\*Vertical bending are prohibited.

### Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry			
LN1617TV	W7-Wet (IP67)	24-DC24V	RGBWW2755-RGBWW (WW=2700K+5500K)	527-5.27W/ft	IJ Injected (IP67)	F	Front	OW	Open wire 3.28ft (1m)
LN1617SV					IJC Clear injected (IP67) SEC Silicone (IP67)	B	Bottom	MC	Male connector with 0.98ft (30cm) cable
						S	Side	FC	Female connector with 0.98ft (30cm) cable
						C	Closed	NA	Only for Closed Feed Entry

### Assembly Builder

### Assembly Builder

Right Feed Entry			Length		
F	Front	OW	Open wire 3.28ft (1m)	Max. nominal	16.4ft (5m)
B	Bottom	MC	Male connector with 0.98ft (30cm) cable		
S	Side	FC	Female connector with 0.98ft (30cm) cable		
C	Closed	NA	Only for Closed Feed Entry		
			Increment	3.28in. (83.3mm)	

\*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.

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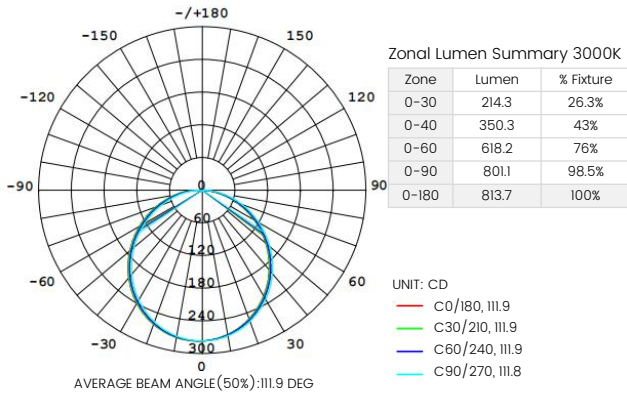
Lumen Output (lm/ft)		
Temp./Color	Vertical Bending	Horizontal Bending
	5.27W/ft	5.27W/ft
R	27	21
G	63	50
B	15	12
W27	75	59
W55	84	66
RGBWW2755	248	195
Max. Run for Class 2*		15.1ft (4.6m)
Max. Run Supported Length		16.4ft (5m)

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

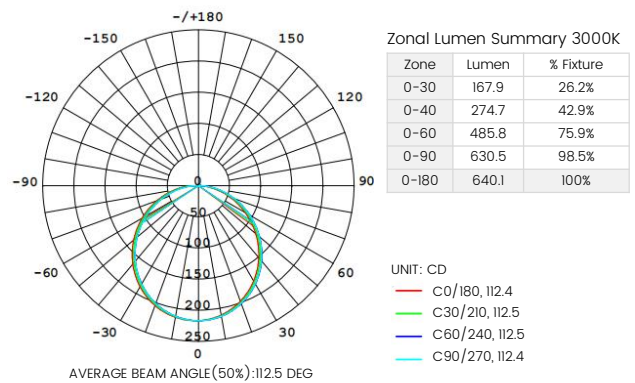
Technical Details		
	Vertical Bending	Horizontal Bending
Efficacy	47lm/W @RGBWW2755 5.27W	37lm/W @RGBWW2755 5.27W
CRI	Ra ≥ 90	Ra ≥ 90
Beam Angle	110°	110°
LED MacAdam	3 steps	3 steps
Average Life (L70)	> 50,000 hours	> 50,000 hours
Storage Temperature		-40-185°F (-40°C- 85°C)
Operating Temperature		-40-113°F (-40°C- 45°C)

Photometry

LNI617TV-W7-24-RGBWW2755-527-SEC-F-OW-F-OW  
LNI617TV RGBWW, Vertical bend, RGBWW2755, 5.27W/ft



LNI617SV-W7-24-RGBWW2755-527-SEC-F-OW-F-OW  
LNI617SV RGBWW, Horizontal bend, RGBWW2755, 5.27W/ft

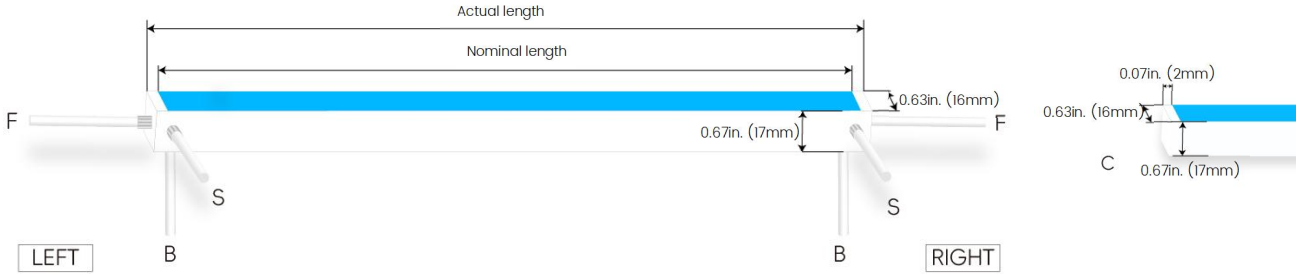


**LINIO NEON 1617 RGBWW**

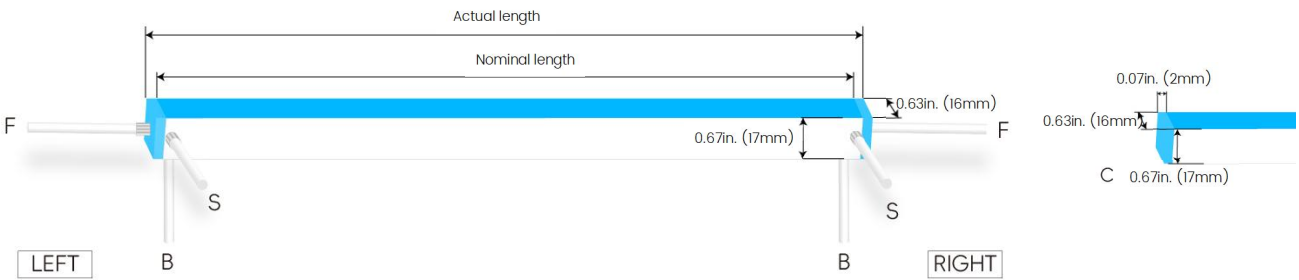
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**Feed Entry / End Cap Options**

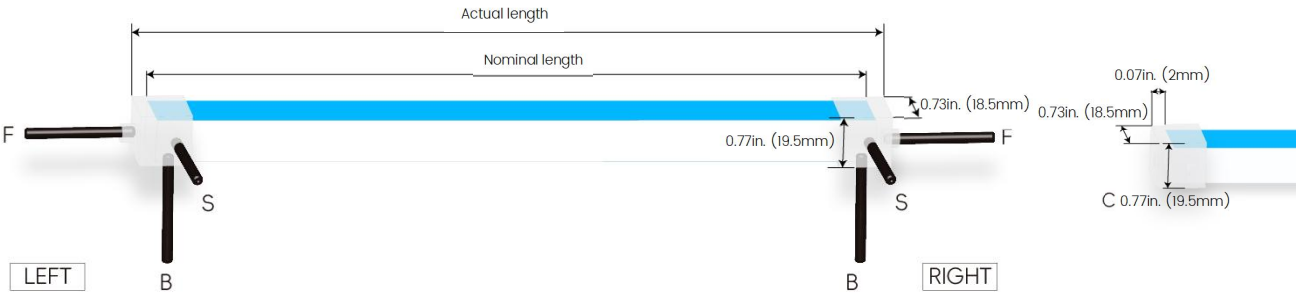
**IJ:** Injected end cap – IP67, factory-made only



**IJC:** Clear injected end cap – IP67, factory-made only



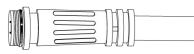
**SEC:** Silicone end cap – IP67



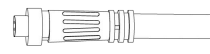
**Connector Wire Options**



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



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



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

**LINIO NEON 1617 RGBWW**

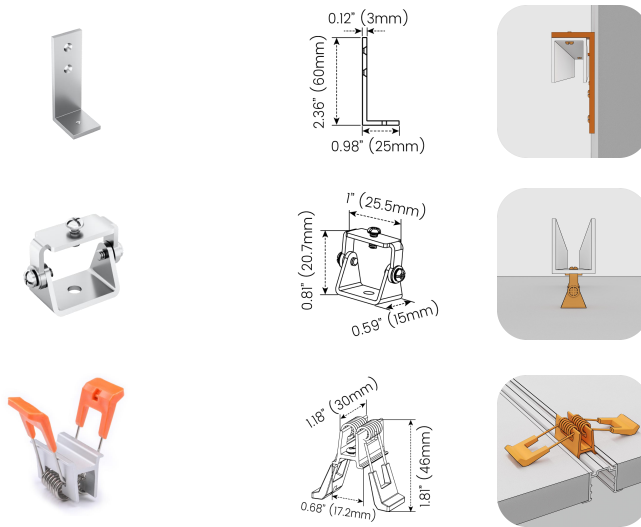
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Mounting Options

			<p><b>LN1617-SC</b></p> <p>Name Straight surface channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-BC</b></p> <p>Name Bendable surface channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-RC</b></p> <p>Name Straight recessed channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-MC</b></p> <p>Name Mud-in channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-BMC</b></p> <p>Name Bendable mud-in channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-SCS</b></p> <p>Name Straight surface channel with silicone groove</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-LBC</b></p> <p>Name Light-black channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-PC</b></p> <p>Name PC channel</p> <p>Material Polycarbonate</p> <p>Standard Length 3.28ft (1M)</p>
			<p><b>LN1617-CL</b></p> <p>Name Mounting clip</p> <p>Material Aluminum</p> <p>Standard Length 0.98in. (25mm)</p>

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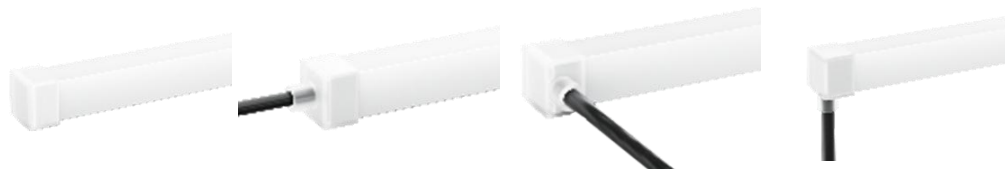


<b>LN1617-LS</b>	
Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	0.79in. (20mm)
* LN1617-LS can be installed with aluminum channel LN1617-SC.	

<b>LN1617-AC</b>	
Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	1 in. (25.5mm)
* LN1617-LS can be installed with aluminum channel LN1617-SC.	

<b>LN1617-RC-SPC</b>	
Name	Spring clip
Standard Pkg	1pcs
* LN1617-RC-SPC must be installed with aluminum channel LN1617-RC.	

End Caps (Optional, purchase for extra)



- LN1617-SEC-C**  
Silicone closed end cap
- LN1617-SEC-F-6P**  
Silicone end cap front entry with 0.98ft (30cm) cable, 6 pin
- LN1617-SEC-S-6P**  
Silicone end cap side entry with 0.98ft (30cm) cable, 6 pin
- LN1617-SEC-B-6P**  
Silicone end cap bottom entry with 0.98ft (30cm) cable, 6 pin

Additional Accessories (Optional, purchase for extra)



- MCW-6P-67**  
Male connector with 0.98ft (30cm) white cable, 6 pin, IP67, Wet, 18 AWG
- FCW-6P-67**  
Female connector with 0.98ft (30cm) white cable, 6 pin, IP67, Wet, 18 AWG
- MCB-6P-67**  
Male connector with 0.98ft (30cm) black cable, 6 pin, IP67, Wet, 18 AWG
- FCB-6P-67**  
Female connector with 0.98ft (30cm) black cable, 6 pin, IP67, Wet, 18 AWG

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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)

### DMX-dimmable

Code	Max Load	Input	Output	Class 2	Environment	Size (L*W*H)
KVX-24100-5C-A	100W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 x 3.07 x 0.98 in. (23.0 x 7.8 x 2.5 cm)

### DMX Decoders

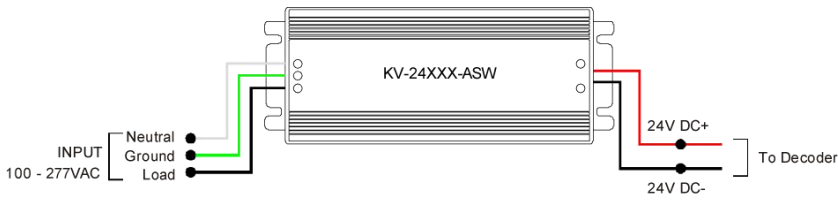
Code	Description
LT-905	5 channels output, up to 600W output power

### Controllers

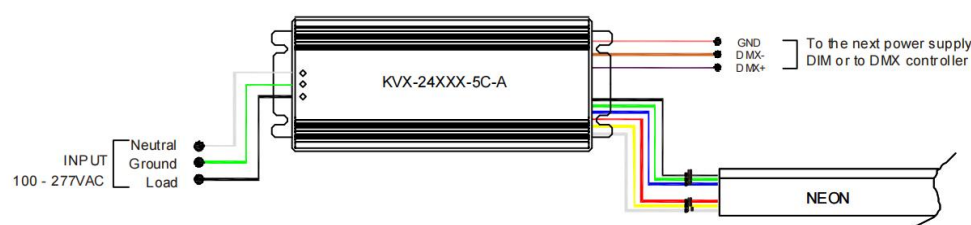
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons

## Wiring Diagram

### Non-dimmable



### DMX-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	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG
<b>5W / 0.2A</b>	1730 ft (527.3 m)	784 ft (238.9 m)	397 ft (121.0 m)	263 ft (80.2 m)	175 ft (53.3 m)	131 ft (39.9 m)	107 ft (32.6 m)
<b>10W / 0.4A</b>	865 ft (263.6 m)	392 ft (119.4 m)	199 ft (60.7 m)	132 ft (40.2 m)	88 ft (26.8 m)	66 ft (20.1 m)	54 ft (16.5 m)
<b>15W / 0.6A</b>	577 ft (175.9 m)	261 ft (79.6 m)	132 ft (40.2 m)	88 ft (26.8 m)	58 ft (17.7 m)	44 ft (13.4 m)	36 ft (11.0 m)
<b>20W / 0.8A</b>	433 ft (132.0 m)	196 ft (59.7 m)	99 ft (30.2 m)	66 ft (20.1 m)	44 ft (13.4 m)	33 ft (10.1 m)	27 ft (8.2 m)
<b>25W / 1.0A</b>	346 ft (105.5 m)	157 ft (47.9 m)	79 ft (24.1 m)	53 ft (16.2 m)	35 ft (10.7 m)	26 ft (7.9 m)	22 ft (6.7 m)
<b>30W / 1.3A</b>	289 ft (88.1 m)	131 ft (39.9 m)	66 ft (20.1 m)	44 ft (13.4 m)	29 ft (8.8 m)	22 ft (6.7 m)	18 ft (5.5 m)
<b>35W / 1.5A</b>	248 ft (75.6 m)	112 ft (34.1 m)	57 ft (17.4 m)	38 ft (11.6 m)	25 ft (7.6 m)	19 ft (5.8 m)	15 ft (4.6 m)
<b>40W / 1.7A</b>	217 ft (66.1 m)	98 ft (29.9 m)	50 ft (15.2 m)	33 ft (10.1 m)	22 ft (6.7 m)	16 ft (4.9 m)	13 ft (4.0 m)
<b>45W / 1.9A</b>	192 ft (58.5 m)	87 ft (26.5 m)	44 ft (13.4 m)	29 ft (8.8 m)	19 ft (5.8 m)	14 ft (4.3 m)	12 ft (3.7 m)
<b>50W / 2.1A</b>	173 ft (52.7 m)	78 ft (23.8 m)	40 ft (12.2 m)	26 ft (7.9 m)	18 ft (5.5 m)	13 ft (4.0 m)	11 ft (3.4 m)
<b>55W / 2.3A</b>	157 ft (47.9 m)	71 ft (21.6 m)	36 ft (11.0 m)	24 ft (7.3 m)	16 ft (4.9 m)	12 ft (3.7 m)	10 ft (3.0 m)
<b>60W / 2.5A</b>	144 ft (43.9 m)	65 ft (19.8 m)	33 ft (10.1 m)	22 ft (6.7 m)	15 ft (4.6 m)	11 ft (3.4 m)	9 ft (2.7 m)
<b>65W / 2.7A</b>	133 ft (40.5 m)	60 ft (18.3 m)	30 ft (9.1 m)	20 ft (6.1 m)	14 ft (4.3 m)	10 ft (3.0 m)	8 ft (2.4 m)
<b>70W / 2.9A</b>	124 ft (37.8 m)	56 ft (17.1 m)	28 ft (8.5 m)	19 ft (5.8 m)	13 ft (4.0 m)	10 ft (3.0 m)	8 ft (2.4 m)
<b>75W / 3.1A</b>	116 ft (35.4 m)	52 ft (15.9 m)	26 ft (7.9 m)	17 ft (5.2 m)	12 ft (3.7 m)	9 ft (2.7 m)	7 ft (2.1 m)
<b>80W / 3.3A</b>	109 ft (33.2 m)	49 ft (14.9 m)	25 ft (7.6 m)	16 ft (4.9 m)	11 ft (3.4 m)	8 ft (2.4 m)	7 ft (2.1 m)
<b>85W / 3.5A</b>	103 ft (31.4 m)	46 ft (14.0 m)	23 ft (7.0 m)	15 ft (4.6 m)	10 ft (3.0 m)	8 ft (2.4 m)	6 ft (1.8 m)
<b>90W / 3.8A</b>	97 ft (29.6 m)	44 ft (13.4 m)	22 ft (6.7 m)	15 ft (4.6 m)	10 ft (3.0 m)	7 ft (2.1 m)	6 ft (1.8 m)
<b>96W / 4.0A</b>	91 ft (27.7 m)	41 ft (12.5 m)	21 ft (6.4 m)	14 ft (4.3 m)	9 ft (2.7 m)	7 ft (2.1 m)	6 ft (1.8 m)