

# LINIO NEON 1617 SPOT Static White

Outdoor · Vertical Bending · Horizontal Bending

**Features**

- Symmetric optics with 36° beam angle for perfect wall washing lighting
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

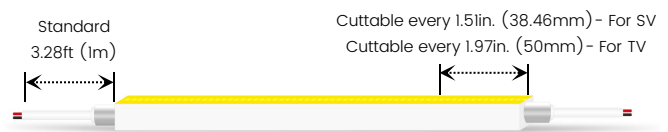
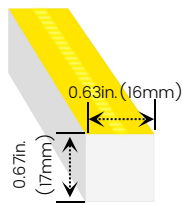
**Applications**

Front desk, hallways, offices, displays, facades, lobbies, etc.



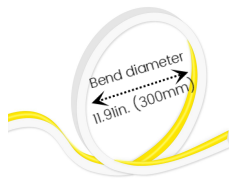
Date	Fixture type
Project name	Project phase

**Dimensions (Vertical Bending · Horizontal Bending)**



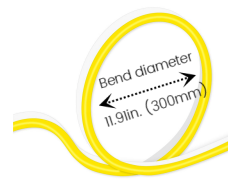
**Bending Directions & Diameters**

TV - Top View (Vertical Bending)



\*Horizontal bending and 3D bending are prohibited.

SV - Side View (Horizontal Bending)



\*Vertical bending and 3D bending are prohibited.

**Order Code**

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry			
LN1617TVST LN1617SVST	WB-Wet (IP68)	24V-DC24V	22K-2200K	549-5.49W/ft	FT	Flush Translucent (IP68)	F	Front	
			27K-2700K	585-5.85W/ft	FO		Flush Opaque (IP68)	B	Bottom
			30K-3000K	670-6.70W/ft				S	Side
			35K-3500K					C	Closed
			40K-4000K						
			50K-5000K						

\*LN1617SVST: 5.49W/ft only.  
LN1617TVST: Available for 5.85W/ft & 6.70W/ft.

**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	*For 5.49W/ft	
S	Side	FC	Female connector with 0.98ft (30cm) cable	Max. nominal	32.8ft (10m)
C	Closed	NA	Only for Closed Feed Entry	*For 5.85W/ft	
				Max. nominal	16.4ft (5m)
				*For 6.70W/ft	

**Mounting Order Code**

Product Code
Please select on the Mounting Options page.

**Increment** 1.97in. (50mm) -For TV  
1.51in. (38.46mm) -For SV

\*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

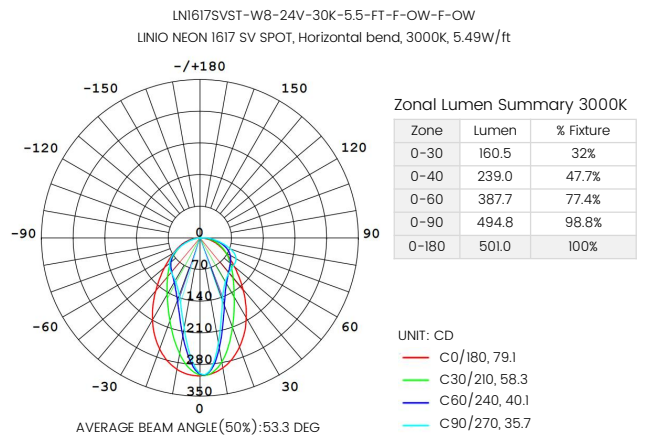
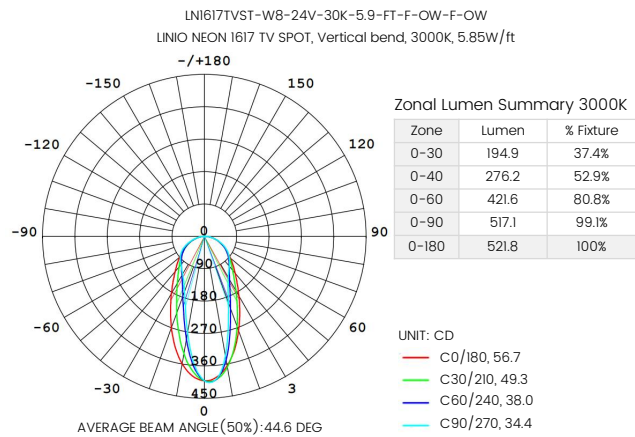
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Temp./Color	Vertical Bending		Horizontal Bending
	5.85W/ft	6.70W/ft	5.49W/ft
2200K	/	/	376
2700K	615	662	417
3000K	659	705	436
3500K	683	735	449
4000K	683	735	448
5000K	669	720	441
Max. Run for Class 2*	13.6ft (4.1m)	11.9ft (3.6m)	14.5ft (4.4m)
Max. Run Supported Length	32.8ft (10m)	16.4ft (5m)	16.4ft (5m)

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

	Vertical Bending	Horizontal Bending
Efficacy	112.6 lm/W @3000K 5.85W	79.4 lm/W @3000K 5.49W
CRI	Ra ≥ 90	Ra ≥ 90
Beam Angle	36°x 60°	36°x 80°
LED MacAdam	3 steps	3 steps
IK Rating	IK10 (with aluminium profile, walk over only)	IK09 (With Aluminium Profile)
Average Lifr (L70)	> 37,000 hours	> 40,000 hours
Storage Temperature	-40-149°F (-40°C- 65°C)	-40-149°F (-40°C- 65°C)
Operating Temperature	-40-149°F (-40°C- 65°C)	-40-149°F (-40°C- 65°C)

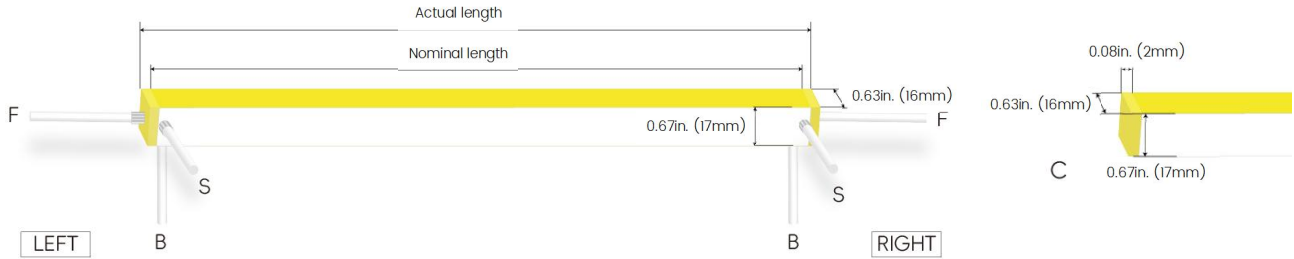
Photometry



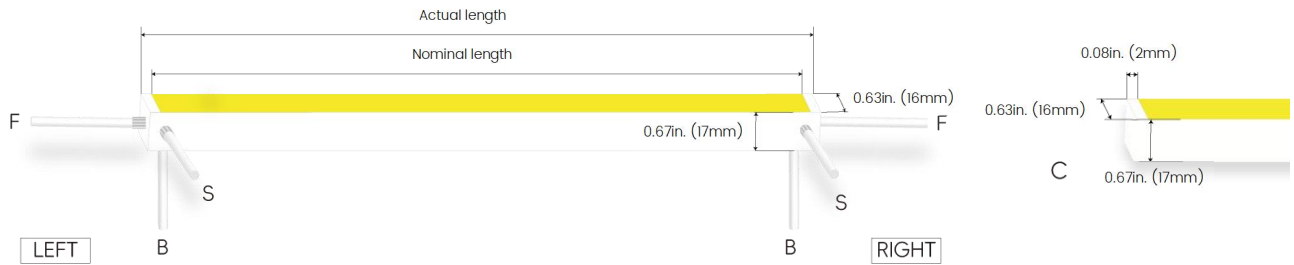
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Feed Entry / End Cap Options

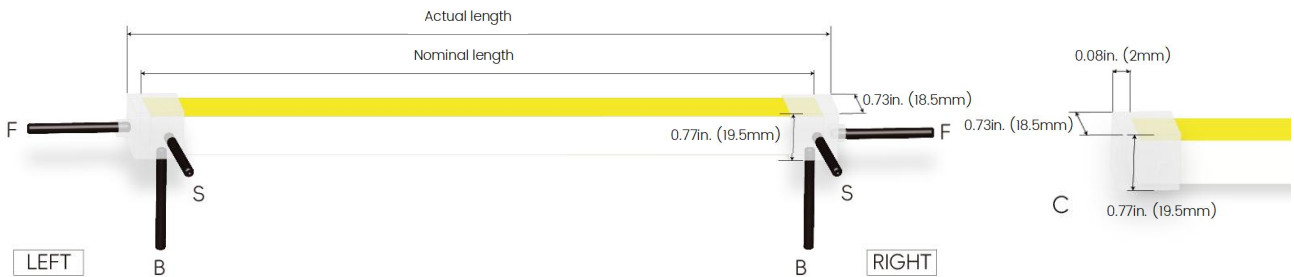
**FT:** Flush Translucent – IP68, factory-made only



**FO:** Flush Opaque – IP68, factory-made only



Silicone end cap – IP67



Connector Wire Options



**OW:** Open wire, **Dry only**  
Standard 3.28ft (1m), 18 AWG (wire length customizable)



**MC:** Male connector, **Wet (IP67)**  
Standard 0.98ft (30cm), 18 AWG



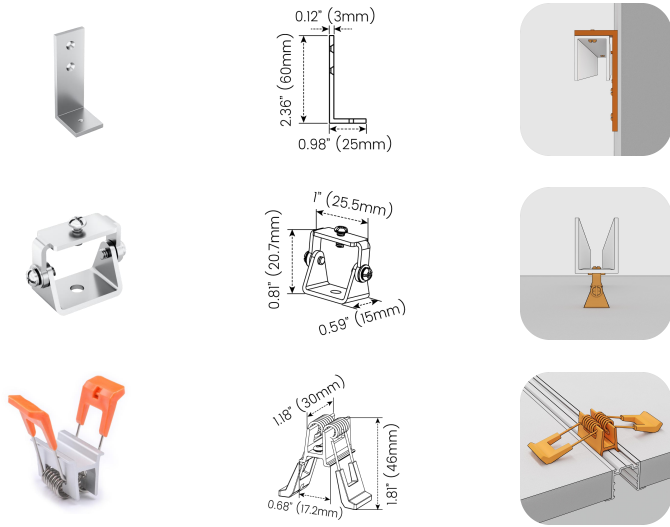
**FC:** Female connector, **Wet (IP67)**  
Standard 0.98ft (30cm), 18 AWG

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Mounting Options

			<p><b>LN1617-SC</b></p> <table border="1"> <tr><td>Name</td><td>Straight surface channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> </table>	Name	Straight surface channel	Material	Aluminum	Standard Length	3.28ft (1M)		
Name	Straight surface channel										
Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p><b>LN1617-BC</b></p> <table border="1"> <tr><td>Name</td><td>Bendable surface channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> <tr><td>Min. Bending Radius</td><td>600mm</td></tr> </table>	Name	Bendable surface channel	Material	Aluminum	Standard Length	3.28ft (1M)	Min. Bending Radius	600mm
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Material	Aluminum										
Standard Length	3.28ft (1M)										
Min. Bending Radius	600mm										
			<p><b>LN1617-RC</b></p> <table border="1"> <tr><td>Name</td><td>Straight recessed channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> </table>	Name	Straight recessed channel	Material	Aluminum	Standard Length	3.28ft (1M)		
Name	Straight recessed channel										
Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p><b>LN1617-MC</b></p> <table border="1"> <tr><td>Name</td><td>Mud-in channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> <tr><td>Min. Bending Radius</td><td>600mm</td></tr> </table>	Name	Mud-in channel	Material	Aluminum	Standard Length	3.28ft (1M)	Min. Bending Radius	600mm
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Material	Aluminum										
Standard Length	3.28ft (1M)										
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			<p><b>LN1617-BMC</b></p> <table border="1"> <tr><td>Name</td><td>Bendable mud-in channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> </table>	Name	Bendable mud-in channel	Material	Aluminum	Standard Length	3.28ft (1M)		
Name	Bendable mud-in channel										
Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p><b>LN1617-SCS</b></p> <table border="1"> <tr><td>Name</td><td>Straight surface channel with silicone groove</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> </table>	Name	Straight surface channel with silicone groove	Material	Aluminum	Standard Length	3.28ft (1M)		
Name	Straight surface channel with silicone groove										
Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p><b>LN1617-LBC</b></p> <table border="1"> <tr><td>Name</td><td>Light-block channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> </table>	Name	Light-block channel	Material	Aluminum	Standard Length	3.28ft (1M)		
Name	Light-block channel										
Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p><b>LN1617-PC</b></p> <table border="1"> <tr><td>Name</td><td>PC channel</td></tr> <tr><td>Material</td><td>Polycarbonate</td></tr> <tr><td>Standard Length</td><td>3.28ft (1M)</td></tr> </table>	Name	PC channel	Material	Polycarbonate	Standard Length	3.28ft (1M)		
Name	PC channel										
Material	Polycarbonate										
Standard Length	3.28ft (1M)										
			<p><b>LN1617-CL</b></p> <table border="1"> <tr><td>Name</td><td>Mounting clip</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>0.98in. (25mm)</td></tr> </table>	Name	Mounting clip	Material	Aluminum	Standard Length	0.98in. (25mm)		
Name	Mounting clip										
Material	Aluminum										
Standard Length	0.98in. (25mm)										

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**LN1617-LS**

Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	0.79in. (20mm)

\* LN1617-LS can be installed with aluminum channel LN1617-SC.

**LN1617-AC**

Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	1 in. (25.5mm)

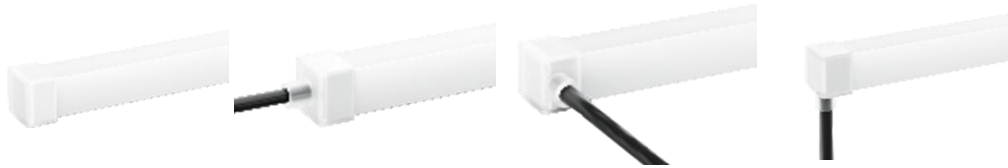
\* LN1617-LS can be installed with aluminum channel LN1617-SC.

**LN1617-RC-SPC**

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, IP67

**LN1617-SEC-F-2P**  
Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin, IP67

**LN1617-SEC-S-2P**  
Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin, IP67

**LN1617-SEC-B-2P**  
Silicone end cap bottom entry with 0.98ft (30cm) cable, 2 pin, IP67

Additional Accessories (Optional, purchase for extra)



**MCW-2P-67**  
Male connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 18 AWG

**FCW-2P-67**  
Female connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 18 AWG

**MCB-2P-67**  
Male connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 18 AWG

**FCB-2P-67**  
Female connector with 0.98ft (30cm) black cable, 2 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)

**Phase cut/Triac-dimmable**

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)		
KVF-24030-TDW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)		
KVF-24060-TDW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)		
KVF-24096-TDW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)		
KVF-24030-TDWJ	30W				Yes	Dry/Damp	Yes	Dry/Damp	6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)
KVF-24060-TDWJ	60W								7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)
KVF-24096-TDWJ	96W								8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)
KVF-24192-TDWJ	192W (96Wx2)								10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVF-24288-TDWJ	288W (96Wx3)								11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVF-24384-TDWJ	384W (96Wx4)								12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm)

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

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)		
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)		
KVD-24060-DIM	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)		
KVD-24096-DIM	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)		
KVD-24030-DIMJ	30W				Yes	Dry/Damp	Yes	Dry/Damp	6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)
KVD-24060-DIMJ	60W								7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)
KVD-24096-DIMJ	96W								8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)
KVD-24192-DIMJ	192W (96Wx2)								10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVD-24288-DIMJ	288W (96Wx3)								11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVD-24384-DIMJ	384W (96Wx4)								12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm)

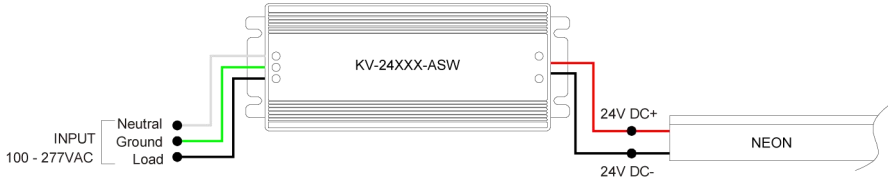
**5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)**

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)		
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)		
KVG-24060-DW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)		
KVG-24096-DW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)		
KVG-24030-DWJ	30W				Yes	Dry/Damp	Yes	Dry/Damp	6.5 x 3.7 x 1.6in. (16.5 x 9.5 x 4cm)
KVG-24060-DWJ	60W								7.4 x 3.7 x 1.6in. (18.8 x 9.5 x 4cm)
KVG-24096-DWJ	96W								8.7 x 3.7 x 1.6in. (22 x 9.5 x 4cm)
KVG-C24192-DWJ	192W (96Wx2)								10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm)
KVG-C24288-DWJ	288W (96Wx3)								11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm)
KVG-C24384-DWJ	384W (96Wx4)								12.8 x 5.5 x 1.9in. (32.5 x 14 x 4.8cm)

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Wiring Diagram

**Non-dimmable**



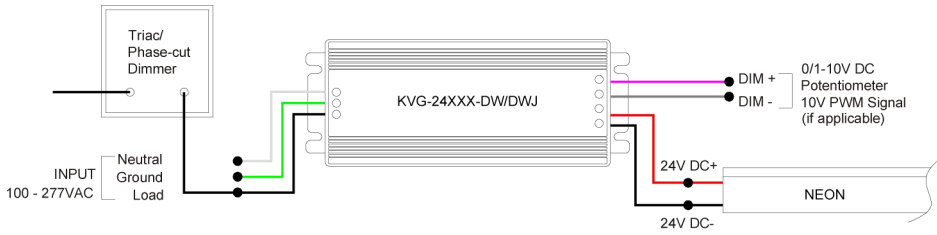
**Phase cut/Triac-dimmable**



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



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



# LINIO NEON 1617 SPOT Static White Outdoor · Vertical Bending · Horizontal Bending

## 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)