

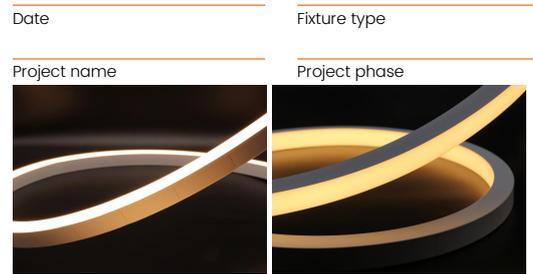
**LINIO NEON 1617 SAUNA Static White** Outdoor · Vertical Bending · Horizontal Bending

**Features**

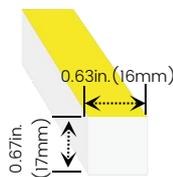
- Heat resistant with smooth diffusion, designed for high end saunas
- IP67 rated, ideal for wet locations
- 5 years warranty

**Applications**

Saunas, hot springs, bathhouse, resorts, etc.



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



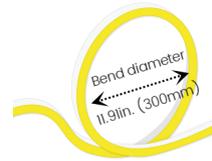
**Bending Directions & Diameters**

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**

Series	Environment	Voltage	Temp./Color	Power	End Cap
LN16171VS	W7-Wet (IP67)	24-DC24V	27-2700K	183-1.83W/ft	IJ Injected (IP67)
LN1617SVS			30-3000K		IJC Clear injected (IP67)
			35-3500K		SEC Silicone (IP67)
			40-4000K		
			53-5300K		

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

**Assembly Builder**

Left Feed Entry	
F Front	OW Open wire 3.28ft (1m)
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**

Right Feed Entry			Length	
F Front	OW Open wire 3.28ft (1m)		<b>Max nominal</b>	32.8ft (10m)
B Bottom	MC Male connector with 0.98ft (30cm) cable		<b>Increment</b>	2.19in. (55.56mm)
S Side	FC Female connector with 0.98ft (30cm) cable			
C Closed	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.

**Lumen Output (lm/ft)**

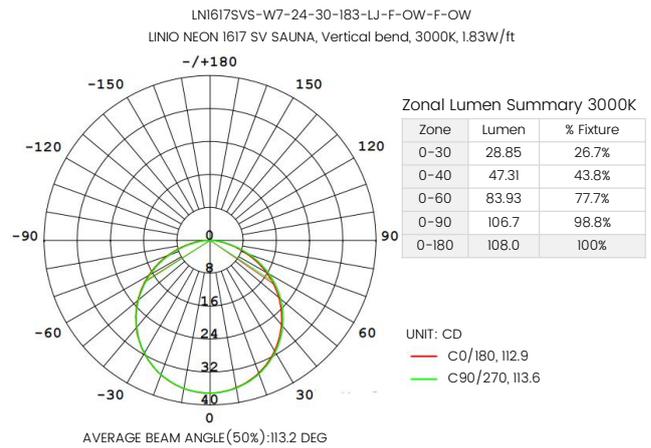
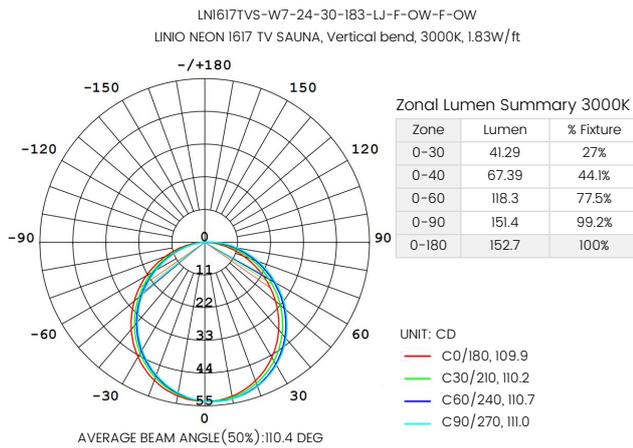
LINIO NEON 1617 SAUNA Static White Outdoor · Vertical Bending · Horizontal Bending

Temp./Color	Vertical Bending	Horizontal Bending
	1.83W/ft	1.83W/ft
2700K	128	103.5
3000K	140	108
3500K	146	114
4000K	152	114
5300K	152	114
Max. Run for Class 2*		32.8ft (10m)

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

	Vertical Bending	Horizontal Bending
Efficacy	80lm/W @3000K	59 lm/W @3000K
CRI	Ra ≥ 90	Ra ≥ 90
Beam Angle	110°	110°
LED MacAdam	3 steps	3 steps
IK Rating	IK08	IK08
Average Life (L70)	> 33,000 hours	> 33,000 hours
Storage Temperature		-40-140°F (-40°C- 60°C)
Operating Temperature		-40-185°F (-40°C- 85°C)

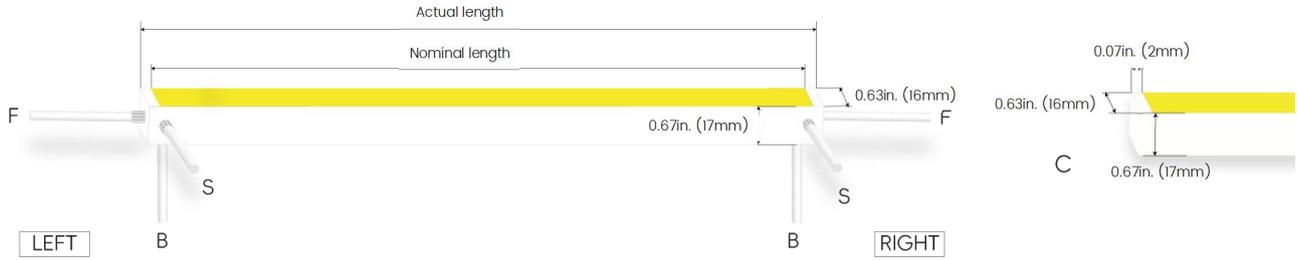
Photometry



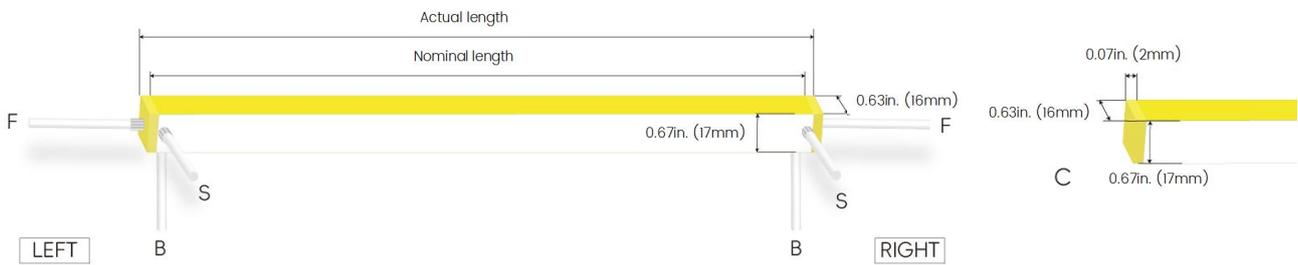
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Feed Entry / End Cap Options

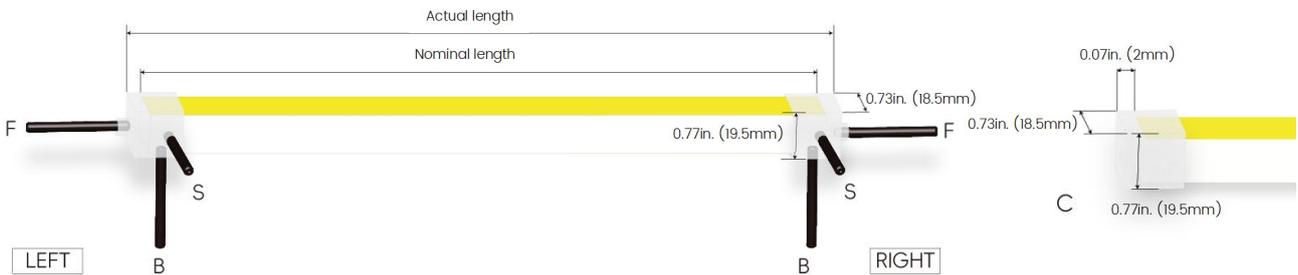
**IJ:** Injected end cap – IP67, factory-made only



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



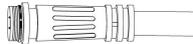
**SEC:** Silicone end cap – IP67



Connector Wire Options



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



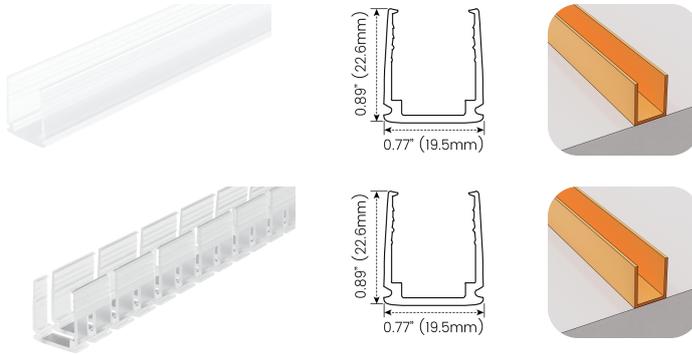
**MC:** Male connector, **Wet**  
Standard 0.98ft (30cm), 18 AWG



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

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Mounting Options



**LN1617-PC**

Name	PC channel
Material	Polycarbonate
Standard Length	3.28ft (1M)

**LN1617-BPC**

Name	Bendable PC channel
Material	Polycarbonate
Standard Length	3.28ft (1M)

End Caps (Optional, purchase for extra)



**LN1617-SEC-C**

Silicone closed end cap

**LN1617-SEC-F-2P**

Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin

**LN1617-SEC-S-2P**

Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin

**LN1617-SEC-B-2P**

Silicone end cap bottom entry with 0.98ft (30cm) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



**MCW-2P-67**

Male connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG

**FCW-2P-67**

Female connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG

**MCB-2P-67**

Male connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG

**FCB-2P-67**

Female connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 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	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	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)

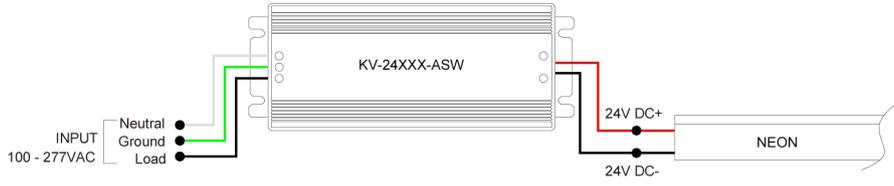
5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)

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	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)

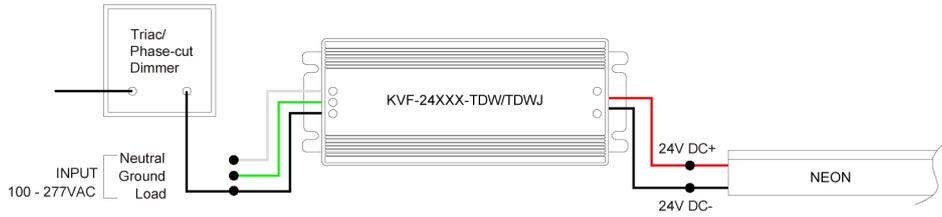
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**Wiring Diagram**

**Non-dimmable**



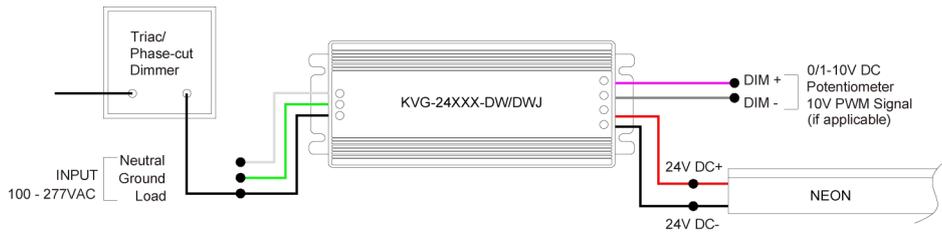
**Phase cut/Triac-dimmable**



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



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



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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)