

LINIO NEON 1617 Static White

Outdoor · Vertical Bending · Horizontal Bending

Features

- Robust & uniform silicone body, elite performance in outputs and durability
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

Applications

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



Date

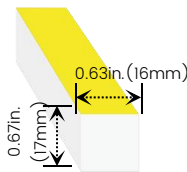
Fixture type

Project name

Project phase

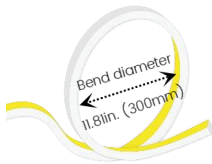


Dimensions



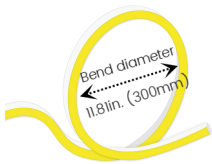
Bending Directions & Diameters

TV - Top View (Vertical Bending)



*Horizontal and 3D bending are prohibited.

SV - Side View (Horizontal Bending)



*Vertical and 3D bending are prohibited.

Order Code

Model	Environment	Voltage	CCT	Power	End Cap		Left Feed Entry			
LN1617TV	W8-Wet (IP68)	24V-DC24V	22K-2200K	1.5-1.46W/ft	FT	Flush Translucent (IP68)	F	Front	OW	Open wire 3.28ft (1m)
LN1617SV			27K-2700K	2.9-2.93W/ft	FO	Flush Opaque (IP68)	B	Bottom	MC	Male connector with 0.98ft (30cm) cable
			30K-3000K	4.4-4.39W/ft			S	Side	FC	Female connector with 0.98ft (30cm)cable
			35K-3500K				C	Closed	NA	Only for Closed Feed Entry
			40K-4000K							

Assembly Builder

Assembly Builder

Right Feed Entry				Length	
F	Front	OW	Open wire 3.28ft (1m)	Max. nominal	65.6ft (20m)
B	Bottom	MC	Male connector with 0.98ft (30cm) cable	Increment	1.97in. (50mm)
S	Side	FC	Female connector with 0.98ft (30cm) cable		
C	Closed	NA	Only for Closed Feed Entry		

Mounting Order Code

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.

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Lumen Output (lm/ft)

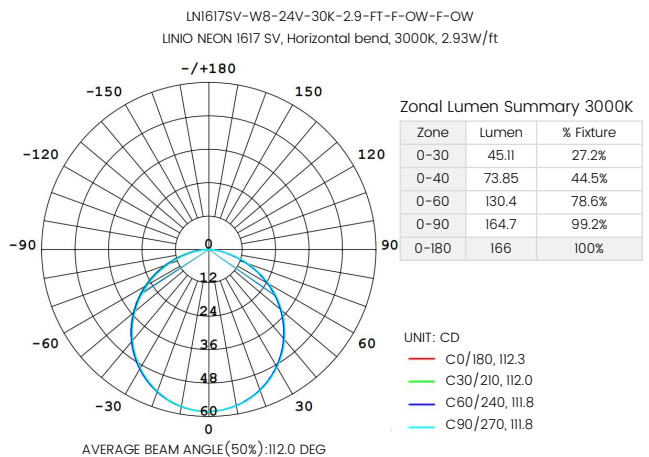
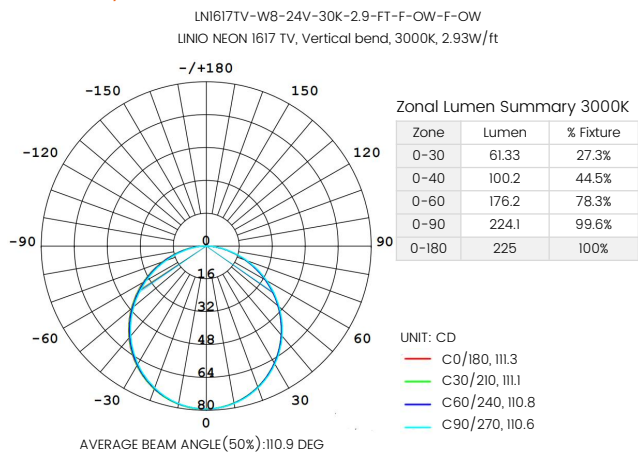
Temp./Color	Vertical Bending			Horizontal Bending		
	1.46W/ft	2.93W/ft	4.39W/ft	1.46W/ft	2.93W/ft	4.39W/ft
2200K	115	202	291	84	141	244
2700K	118	209	301	92	155	258
3000K	126	217	318	99	166	277
3500K	133	234	336	102	171	283
4000K	133	233	335	99	166	277
Max. Run for Class 2*	52.6ft (16m)	26.2ft (8m)	17.5ft (5m)	52.6ft (16m)	26.2ft (8m)	17.5ft (5m)
Max. Run Supported Length	91.8ft (28m)	65.6ft (20m)	49.2ft (15m)	91.8ft (28m)	65.6ft (20m)	49.2ft (15m)

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

Technical Details

	Vertical Bending			Horizontal Bending		
Efficacy	56.7lm/W @4000K 2.93W			79.5lm/W @4000K 2.93W		
CRI	Ra≥90			Ra≥90		
Beam Angle	110°			110°		
LED MacAdam	2 steps			2 steps		
IK Rating	IK10			IK10 (With Aluminium Profile)		
Average Life (L70)	> 102,000 hours			> 102,000 hours		
Storage Temperature	-40-149°F (-40°C- 65°C)					
Operating Temperature	-40-149°F	-40-149°F	-40-149°F	-40-149°F	-40-149°F	-40-149°F
	(-40°C- 65°C)	(-40°C- 65°C)	(-40°C- 65°C)	(-40°C- 65°C)	(-40°C- 65°C)	(-40°C- 65°C)
	@1.46W/ft	@2.93W/ft	@4.39W/ft	@1.46W/ft	@2.93W/ft	@4.39W/ft

Photometry

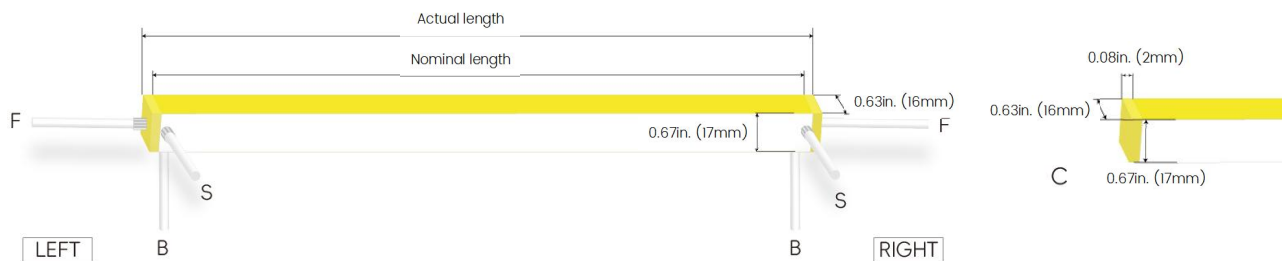


LINIO NEON 1617 Static White

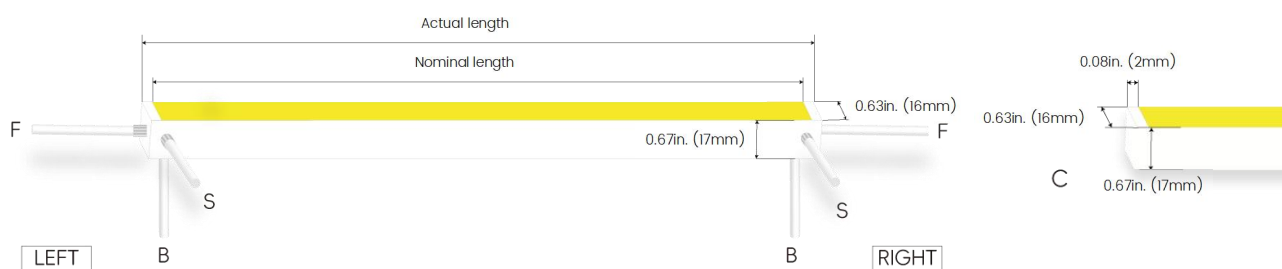
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Feed Entry / End Cap Options

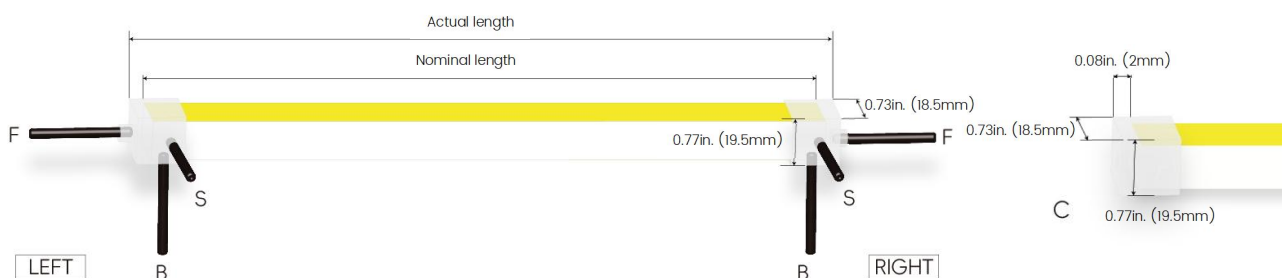
FT: Flush Translucent – IP68, factory-made only



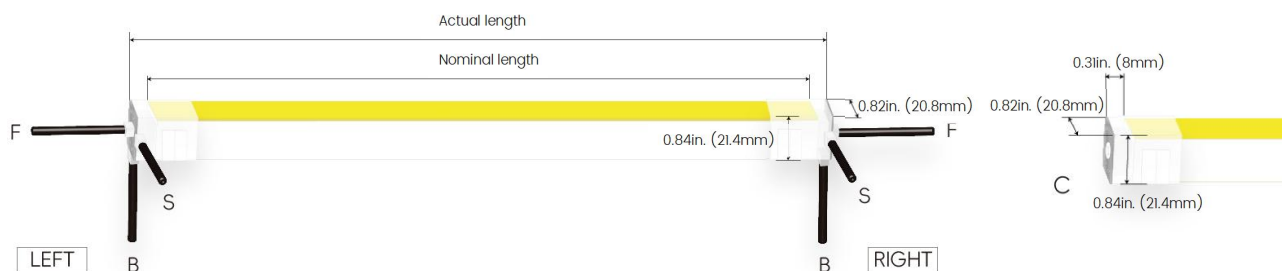
FO: Flush Opaque – IP68, factory-made only



Silicone end cap – IP67



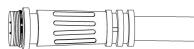
Mechanical end cap with screws – IP67



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

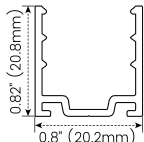
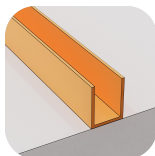
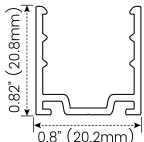
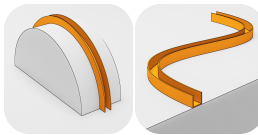
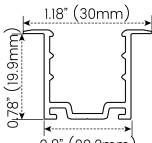
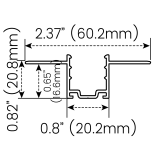
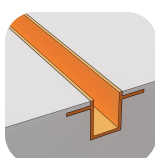
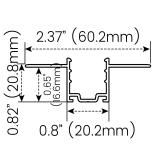
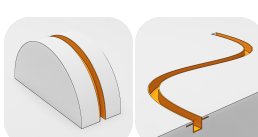
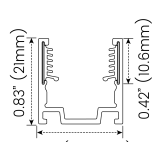
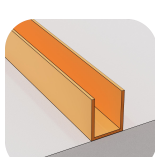
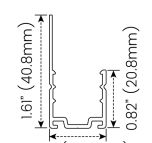
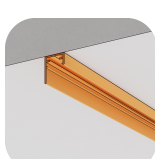
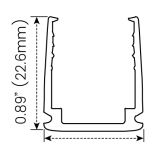
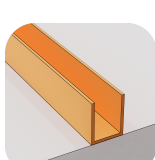
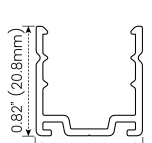
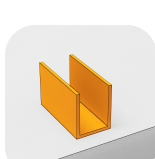


FC: Female connector, **Wet**
Standard 0.98ft (30cm), 18 AWG

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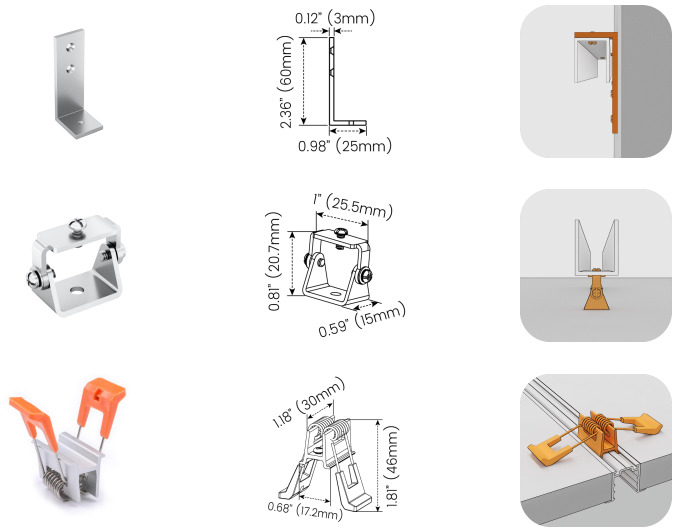
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Mounting Options

			LINIO17-SC <table><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)										
			LINIO17-BC <table><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
Name	Bendable surface channel										
Material	Aluminum										
Standard Length	3.28ft (1M)										
Min. Bending Radius	600mm										
			LINIO17-RC <table><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)										
			LINIO17-MC <table><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
Name	Mud-in channel										
Material	Aluminum										
Standard Length	3.28ft (1M)										
Min. Bending Radius	600mm										
			LINIO17-BMC <table><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)										
			LINIO17-SCS <table><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)										
			LINIO17-LBC <table><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)										
			LINIO17-PC <table><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)										
			LINIO17-CL <table><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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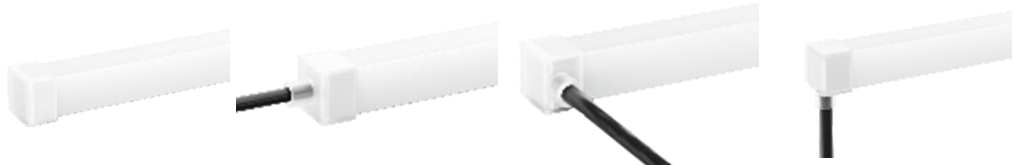
LN1617-LS	
Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	0.79in. (20mm)
* LN1617-LS can be installed with aluminum channel LN1617-SC.	

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,)

Maximum Nominal Run Length: 65.6 ft (20 m)



Mechanical End Caps for LINIO NEON 1617 TV(Optional, purchase for extra)

Maximum Nominal Run Length: 49.2 ft (15 m)



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End Caps for LINIO NEON 1617 SV (Optional, purchase for extra)

Maximum Nominal Run Length: 49.2 ft (15 m)



LNI617SV-MEC-C
Mechanical closed end cap with screws



LNI617SV-MEC-LF-2P
Mechanical end cap with screws, left front entry with 0.98ft (30cm) cable, 2 pin



LNI617SV-MEC-RF-2P
Mechanical end cap with screws, right front entry with 0.98ft (30cm) cable, 2 pin



LNI617SV-MEC-LS-2P
Mechanical end cap with screws, left side entry with 0.98ft (30cm) cable, 2 pin



LNI617SV-MEC-RS-2P
Mechanical end cap with screws, right side entry with 0.98ft (30cm) cable, 2 pin



LNI617SV-MEC-LB-2P
Mechanical end cap with screws, left bottom entry with 0.98ft (30cm) cable, 2 pin



LNI617SV-MEC-RB-2P
Mechanical end cap with screws, right bottom entry with 0.98ft (30cm) cable, 2 pin



LNI617-JC-F-2P
Jumper connector front entry with 0.23ft (7cm) 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

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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	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	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	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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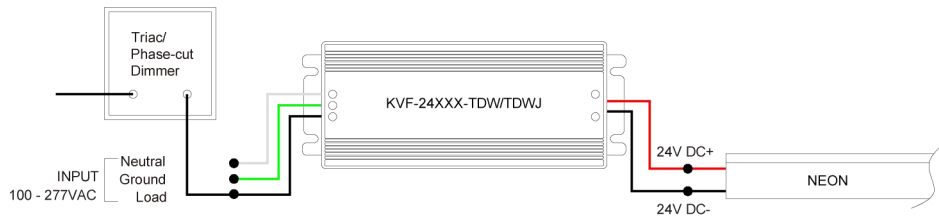
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Wiring Diagram

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