

LINIO NEON 1617 Static White

Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

Features

- Robust & uniform silicone body, elite performance in outputs and durability
- IP68 rated, ideal for outdoor uses
- 5 years warranty

Applications

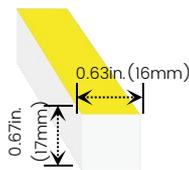
Hotels, facades, gardens, parks, balconies, roofs, soffits, etc.



Date	Fixture type
Project name	Project phase

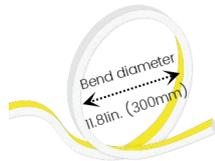


Dimensions (Vertical Bending · Horizontal Bending · 3D Bending)



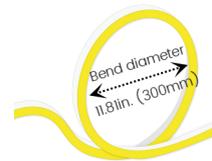
Bending Directions & Diameters

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	Temp./Color	Power	End Cap
LN1617TV LN1617SV	W8-Wet (IP68)	24V-DC24V	22K-2200K	1.5-1.46W/ft	IJ
			27K-2700K	2.9-2.93W/ft	IJC
			30K-3000K	4.4-4.39W/ft	
			35K-3500K 40K-4000K		

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
J Jumper	

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

*Jumper feed entry must be used in conjunction for wire-in and wire-out directions.

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			
S Side	FC Female connector with 0.98ft (30cm) cable			
C Closed	NA Only for Closed Feed Entry		Increment	1.97in. (50mm)
J Jumper				

*Jumper feed entry must be used in conjunction for wire-in and wire-out directions.

*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)

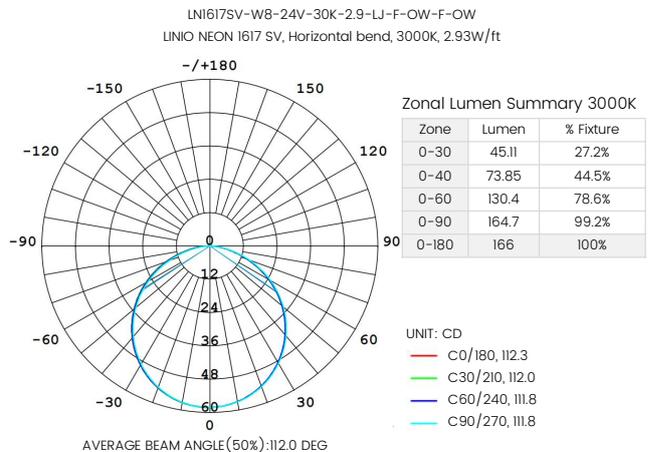
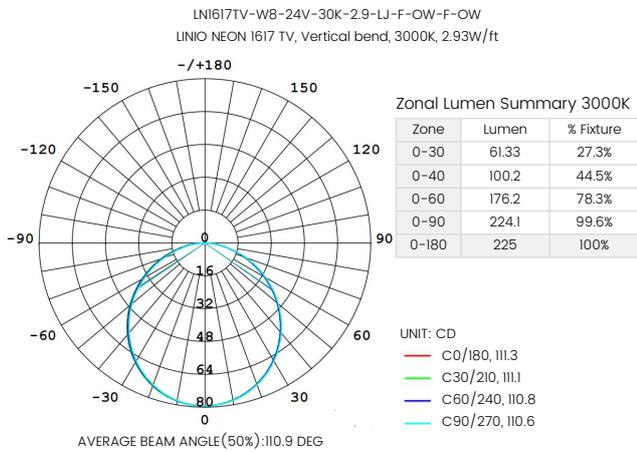
Temp./Color	Vertical Bending			Horizontal Bending		
	1.46W/ft	2.93W/ft	4.39W/ft	1.46W/ft	2.93W/ft	4.39W/ft
2200K	115	202	291	84	141	244
2700K	118	209	301	92	155	258
3000K	126	217	318	99	166	277
3500K	133	234	336	102	171	283
4000K	133	233	335	99	166	277
Max. Run for Class 2*	52.6ft (16m)	26.2ft (8m)	17.5ft (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)
Max. Nominal Length (SEC end cap)	65.6ft (20m)			65.6ft (20m)		
Max. Nominal Length (MEC end cap)	49.2ft (15m)			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	-40-185°F (-40°C- 85°C)			-40-185°F (-40°C- 85°C)		
Operating Temperature	-40-131°F (-40°C- 55°C) @1.46W/ft	-40-113°F (-40°C- 45°C) @2.93W/ft	-40-113°F (-40°C- 45°C) @4.39W/ft	-40-131°F (-40°C- 55°C) @1.46W/ft	-40-113°F (-40°C- 45°C) @2.93W/ft	-40-113°F (-40°C- 45°C) @4.39W/ft

Photometry

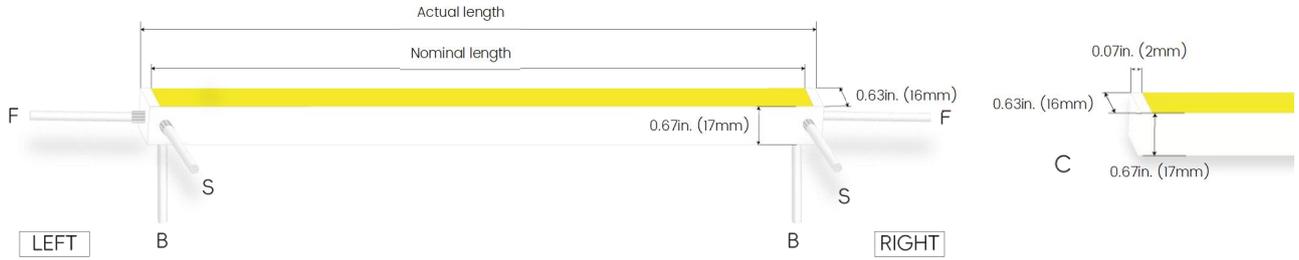


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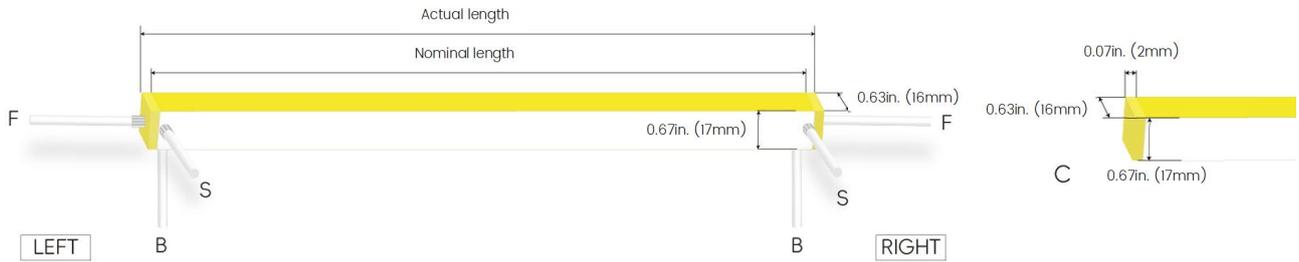
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Feed Entry / End Cap Options

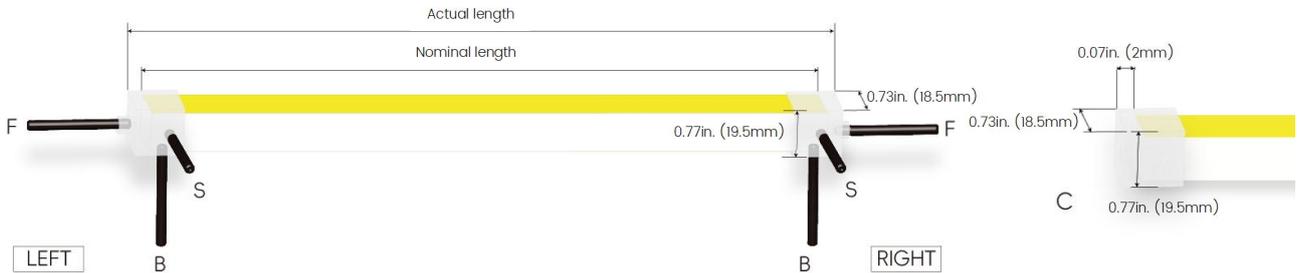
IJ: Injected end cap – IP68, factory-made only



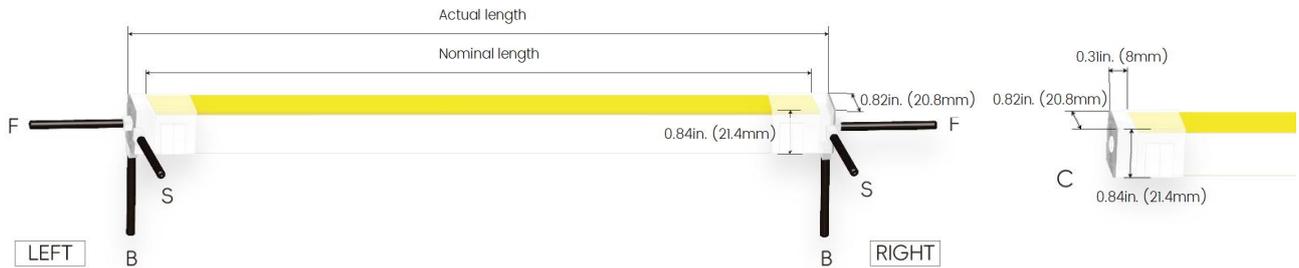
IJC: Clear injected end cap – IP68, factory-made only



SEC: Silicone end cap – IP67



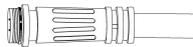
MEC: Mechanical end cap with screws – IP67 (Only available for LNI617TV/LNI617SV)



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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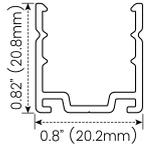
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Mounting Options

			<p>LN1617-SC</p> <p>Name Straight surface channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-BC</p> <p>Name Bendable surface channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-RC</p> <p>Name Straight recessed channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-MC</p> <p>Name Mud-in channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-BMC</p> <p>Name Bendable mud-in channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-SCS</p> <p>Name Straight surface channel with silicone groove</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-LBC</p> <p>Name Light-block channel</p> <p>Material Aluminum</p> <p>Standard Length 3.28ft (1M)</p>
			<p>LN1617-PC</p> <p>Name PC channel</p> <p>Material Polycarbonate</p> <p>Standard Length 3.28ft (1M)</p>

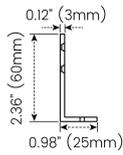
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LNI617-CL

Name	Mounting clip
Material	Aluminum
Standard Length	0.98in. (25mm)



LNI617-LS

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

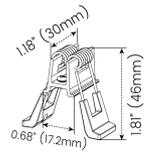
* LNI617-LS can be installed with aluminum channel LNI617-SC.



LNI617-AC

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

* LNI617-LS can be installed with aluminum channel LNI617-SC.



LNI617-RC-SP

Name	Spring clip
Standard Pkg Ipcs	

* LNI617-RC-SPC must be installed with aluminum channel LNI617-RC.

End Caps (Optional, purchase for extra,)



LNI617-SEC-C
Silicone closed end cap



LNI617-SEC-F-2P
Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin



LNI617-SEC-S-2P
Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin



LNI617-SEC-B-2P
Silicone end cap bottom entry with 0.98ft (30cm) cable, 2 pin

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



LNI617TV-MEC-C
Mechanical closed end cap with screws



LNI617TV-MEC-LF-2P
Mechanical end cap with screws, left front entry with 0.98ft (30cm) cable, 2 pin



LNI617TV-MEC-RF-2P
Mechanical end cap with screws, right front entry with 0.98ft (30cm) cable, 2 pin



LNI617TV-MEC-LS-2P
Mechanical end cap with screws, left side entry with 0.98ft (30cm) cable, 2 pin



LNI617TV-MEC-RS-2P
Mechanical end cap with screws, right side entry with 0.98ft (30cm) cable, 2 pin

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LNI617TV-MEC-LB-2P
Mechanical end cap with screws, left bottom entry with 0.98ft (30cm) cable, 2 pin



LNI617TV-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

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



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	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)

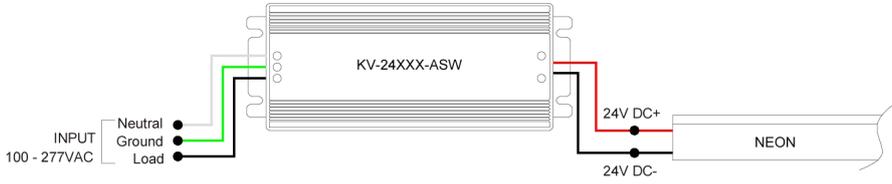
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)		
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)		
KVG-24060-DW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)		
KVG-24096-DW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)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



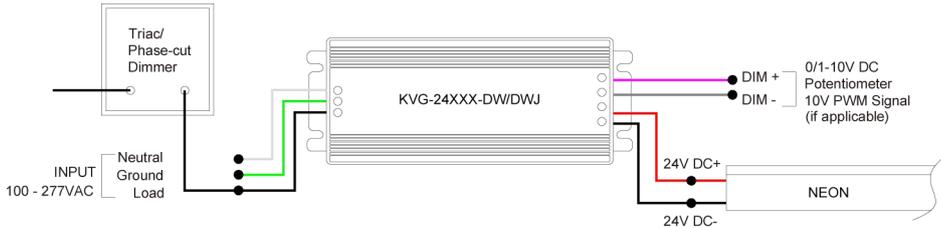
Phase cut/Triac-dimmable



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



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



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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)