

LINIO NEON 1617 Static White

Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

Features

- Robust & uniform silicone body, elite performance in outputs and durability
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

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



Date

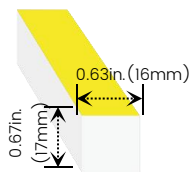
Fixture type

Project name

Project phase



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

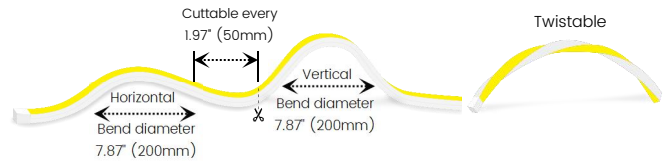
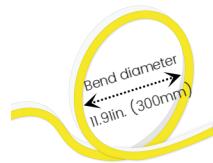
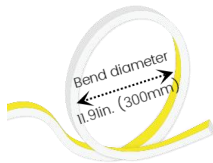


Bending Directions & Diameters

TV - Top View (Vertical Bending)

SV - Side View (Horizontal Bending)

3D (In Any Direction - Twistable)



*Horizontal and 3D bending are prohibited.

*Vertical and 3D bending are prohibited.

Order Code

Assembly Builder

Model	Environment	Voltage	Temp./Color	Power	End Cap	Left Feed Entry
LN1617TV	W7-Wet (IP67)	24-DC24V	22-2200K	146-1.46W/ft	IJ	Front
LN1617SV			27-2700K	293-2.93W/ft	IJC	Bottom
LN16173D			30-3000K	439-4.39W/ft	SEC	Side
			35-3500K		MEC	Closed
			40-4000K			Jumper
				*LN1617TV/LN1617SV: all options available.	*Injected and clear injected end cap are factory-made only.	
				LN16173D: 2.93W/ft only.	*MEC end cap is only available for LN1617TV & LN1617SV	
					*Jumper feed entry must be used in conjunction for wire-in and wire-out directions.	

Assembly Builder

Mounting Order Code

Right Feed Entry				Length		
F	Front	OW	Open wire 3.28ft (1m)	Max. nominal	65.6ft (20m)	-LN1617TV/LN1617SV
B	Bottom	MC	Male connector with 0.98ft (30cm) cable	*For IJ/IJC/SEC end cap	32.8ft (10m)	- LN16173D
S	Side	FC	Female connector with 0.98ft (30cm) cable	Max. nominal	49.2ft (15m)	-LN1617TV/LN1617SV
C	Closed	NA	Only for Closed Feed Entry	*Only for MEC end cap		
J	Jumper			Increment	1.97in. (50mm)	

*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.

Product Code
Please select on the Mounting Options page.

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Lumen Output (lm/ft)

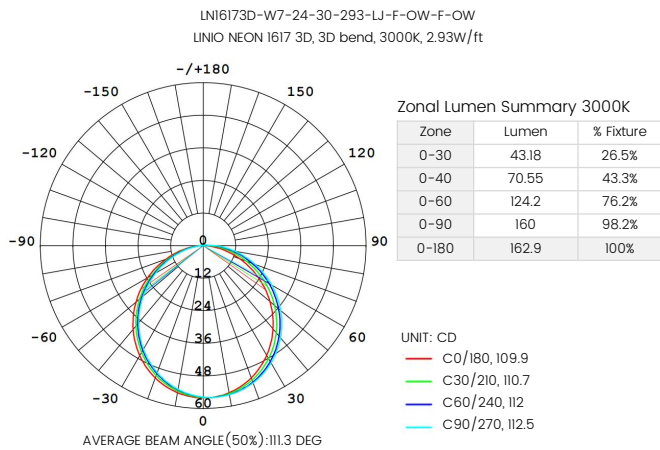
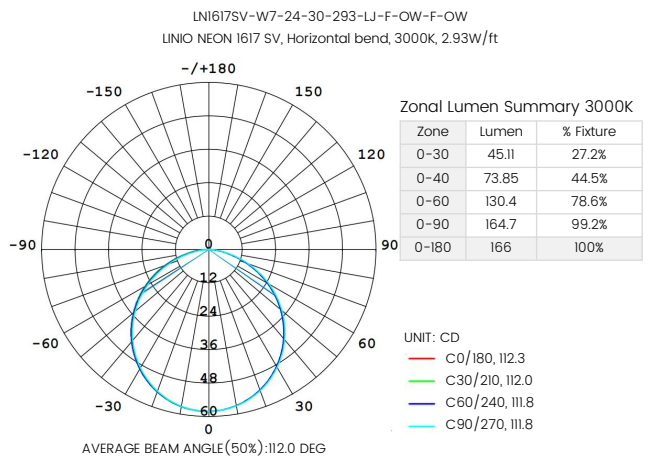
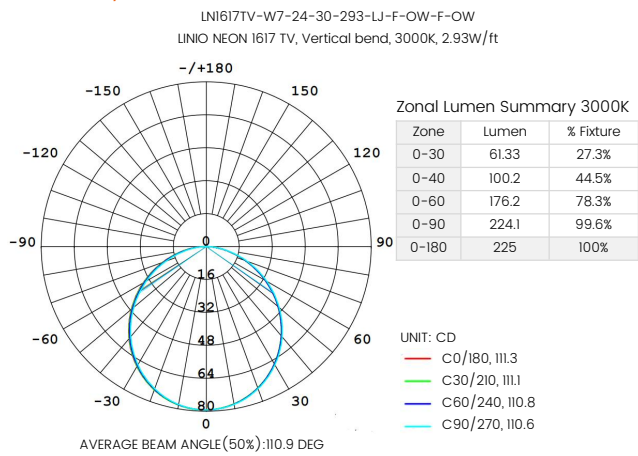
Temp./Color	Vertical Bending			Horizontal Bending			3D Bending
	1.46W/ft	2.93W/ft	4.39W/ft	1.46W/ft	2.93W/ft	4.39W/ft	2.93W/ft
2200K	115	202	291	84	141	244	149
2700K	118	209	301	92	155	258	155
3000K	126	217	318	99	166	277	162
3500K	133	234	336	102	171	283	165
4000K	133	233	335	99	166	277	165
Max. Run for Class 2*	52.6ft (16m)	26.2ft (8m)	17.5ft (5m)	52.6ft (16m)	26.2ft (8m)	17.5ft (5m)	23ft (7m)
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			3D Bending
Efficacy	56.7lm/W @4000K 2.93W			79.5lm/W @4000K 2.93W			55lm/W @3000K
CRI	Ra≥ 90			Ra≥ 90			RA ≥ 90
Beam Angle	110°			110°			120°
LED MacAdam	2 steps			2 steps			2 steps
IK Rating	IK10			IK10 (With Aluminium Profile)			IK08
Average Life (L70)	> 102,000 hours			> 102,000 hours			> 54,000 hours
Storage Temperature	-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	-40-113°F (-40°C- 45°C) @2.93W/ft

Photometry

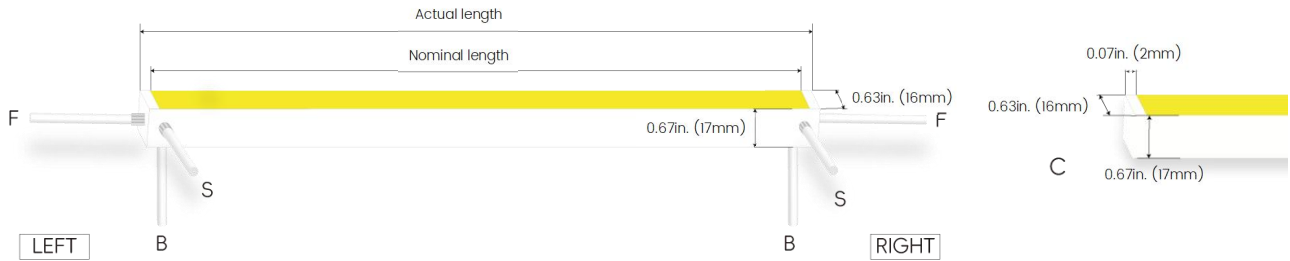


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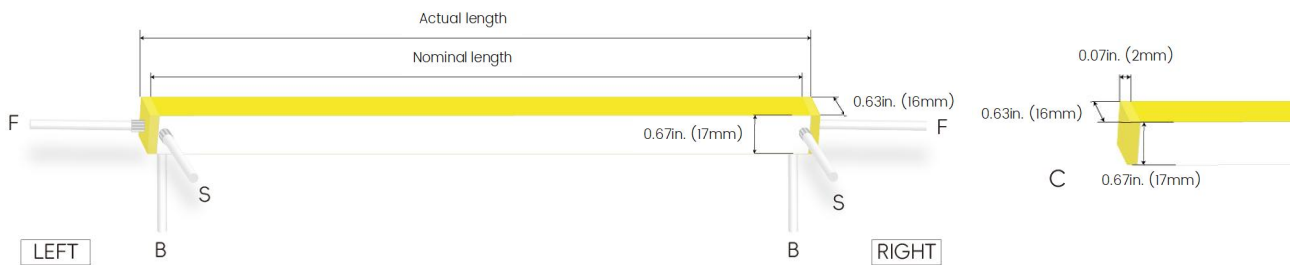
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Feed Entry / End Cap Options

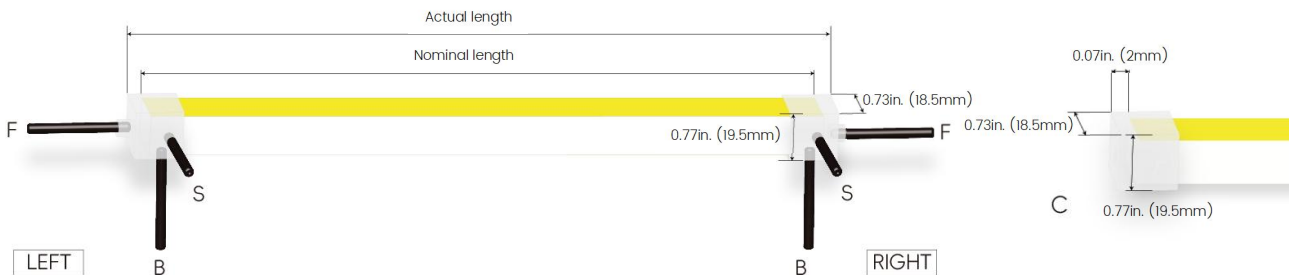
IJ: Injected end cap – IP67, factory-made only



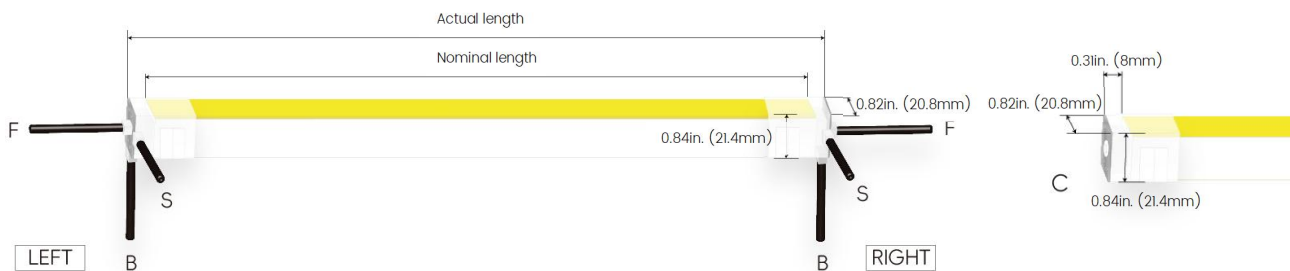
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



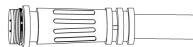
MEC: Mechanical end cap with screws – IP67 (Only available for LNI617TV/LNI617SV)



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

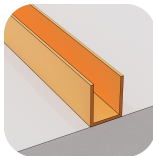
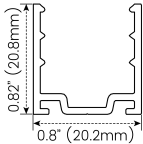
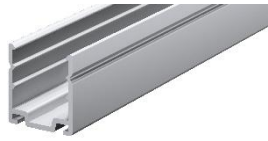


FC: Female connector, **Wet**
Standard 0.98ft (30cm), 18 AWG

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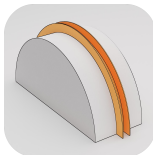
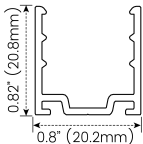
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Mounting Options



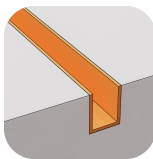
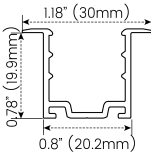
LN1617-SC

Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1M)



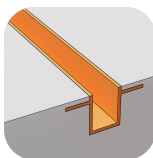
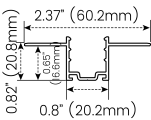
LN1617-BC

Name	Bendable surface channel
Material	Aluminum
Standard Length	3.28ft (1M)



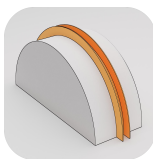
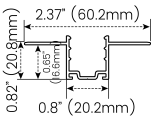
LN1617-RC

Name	Straight recessed channel
Material	Aluminum
Standard Length	3.28ft (1M)



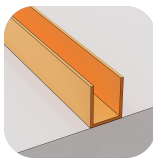
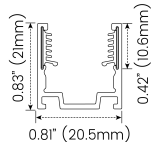
LN1617-MC

Name	Mud-in channel
Material	Aluminum
Standard Length	3.28ft (1M)



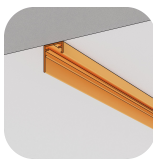
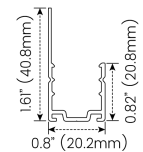
LN1617-BMC

Name	Bendable mud-in channel
Material	Aluminum
Standard Length	3.28ft (1M)



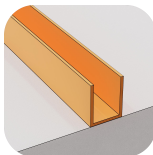
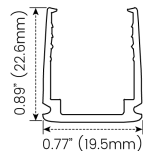
LN1617-SCS

Name	Straight surface channel with silicone groove
Material	Aluminum
Standard Length	3.28ft (1M)



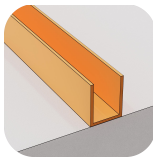
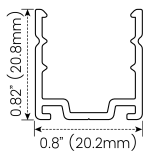
LN1617-LBC

Name	Light-black channel
Material	Aluminum
Standard Length	3.28ft (1M)



LN1617-PC

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

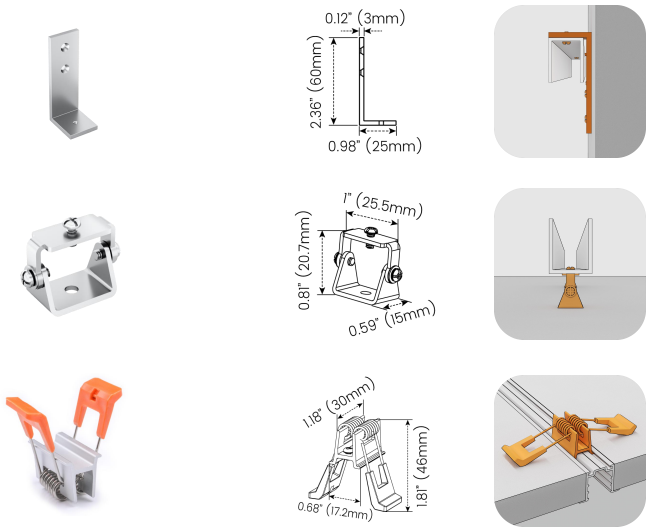


LN1617-CL

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)



Additional Accessories (Optional, purchase for extra)



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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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Wiring Diagram

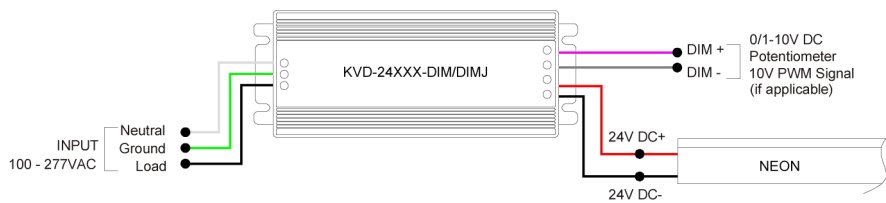
Non-dimmable



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 Static White Outdoor · Vertical Bending· Horizontal Bending· 3D 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	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG
5W / 0.2A	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)
10W / 0.4A	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)
15W / 0.6A	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)
20W / 0.8A	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)
25W / 1.0A	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)
30W / 1.3A	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)
35W / 1.5A	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)
40W / 1.7A	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)
45W / 1.9A	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)
50W / 2.1A	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)
55W / 2.3A	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)
60W / 2.5A	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)
65W / 2.7A	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)
70W / 2.9A	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)
75W / 3.1A	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)
80W / 3.3A	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)
85W / 3.5A	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)
90W / 3.8A	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)
96W / 4.0A	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)