

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

Features

- Asymmetric optics with an elliptic beam (36° x 86° x 7°) for precise accent lighting
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

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



Date

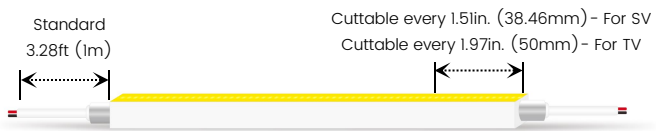
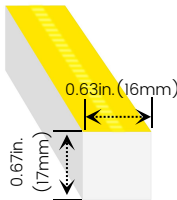
Fixture type

Project name

Project phase

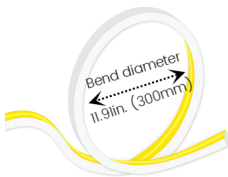


Dimensions (Vertical Bending · Horizontal Bending)



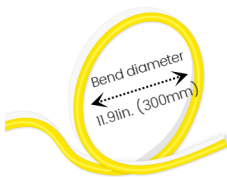
Bending Directions & Diameters

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	W7-Wet (IP67)	24-DC24V	22-2200K	549-5.49W/ft	IJ Injected (IP67)	F Front
LN1617SVST			27-2700K	585-5.85W/ft	IJC Clear injected (IP67)	B Bottom
			30-3000K	670-6.70W/ft	SEC Silicone (IP67)	S Side
			35-3500K			C Closed
			40-4000K			
			50-5000K			
				*LN1617SVST: 5.49W/ft only.	*Injected and clear injected end cap are	
					LN1617TVST: Available for factory-made only.	
					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	

Increment 1.97in. (50mm) -For TV
0.13in. (3.43mm) -For SV

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

Mounting Order Code

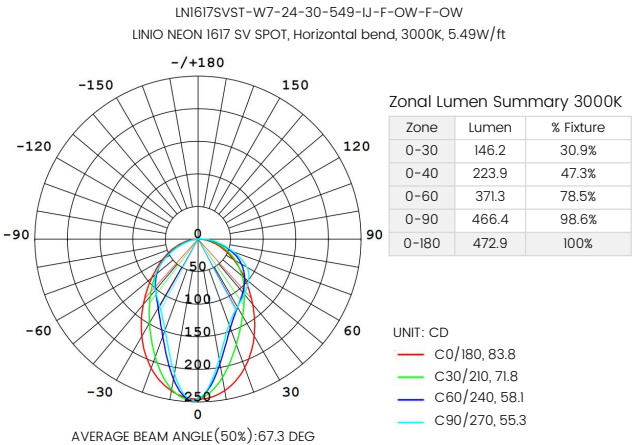
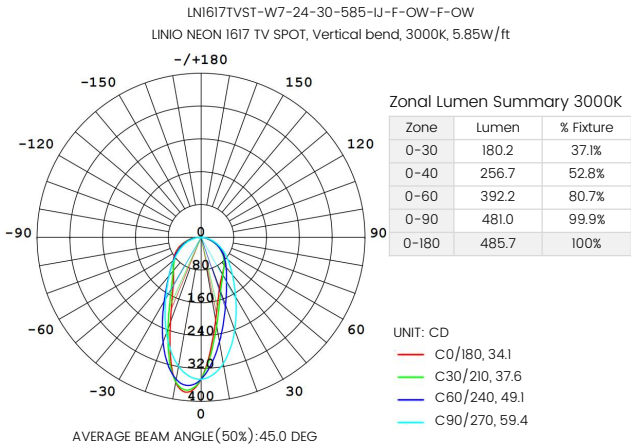
Product Code
Please select on the Mounting Options page.

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Lumen Output (lm/ft)			
Temp./Color	Vertical Bending		Horizontal Bending
	5.85W/ft	6.70W/ft	5.49W/ft
2200K	/	/	376
2700K	471.0	487.8	417
3000K	485.7	508.2	436
3500K	493.5	498.0	449
4000K	495.9	518.1	448
5000K	466.2	487.8	441
Max. Run for Class 2*	13.1ft (3.9m)	11.5ft (3.5m)	14ft (4.3m)
Max. Run Supported Length	32.8ft (10m)	16.4ft (5m)	16.4ft (5m)
*Typically installations in USA and Canada comply with Class 2 requirements.			

Technical Details		
	Vertical Bending	Horizontal Bending
Efficacy	83 lm/W @3000K 5.85W	79.4 lm/W @3000K 5.49W
CRI	Ra≥90	Ra≥90
Beam Angle	36°x 86°x 7°	36°x 86°x 7°
LED MacAdam	2 steps	2 steps
IK Rating	IK10	IK09 (With Aluminium Profile)
Average Lifr (L70)	> 42,000 hours	> 40,000 hours
Storage Temperature	-40-185°F (-40°C- 85°C)	-40-185°F (-40°C- 85°C)
Operating Temperature	-40-131°F (-40°C- 45°C)	-40-113°F (-40°C- 45°C)

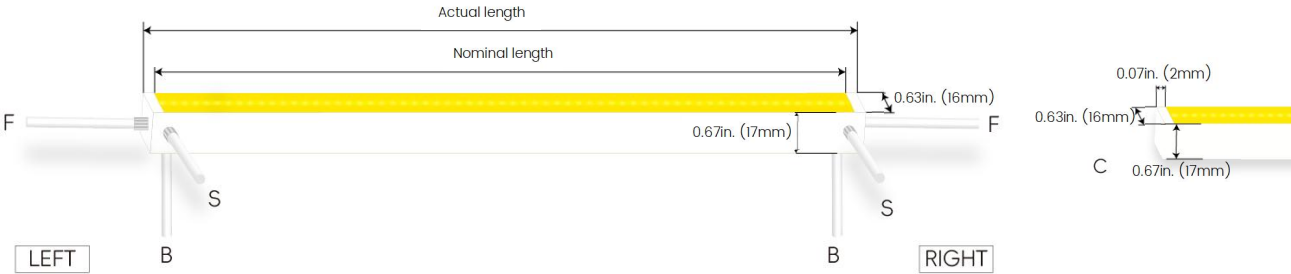
Photometry



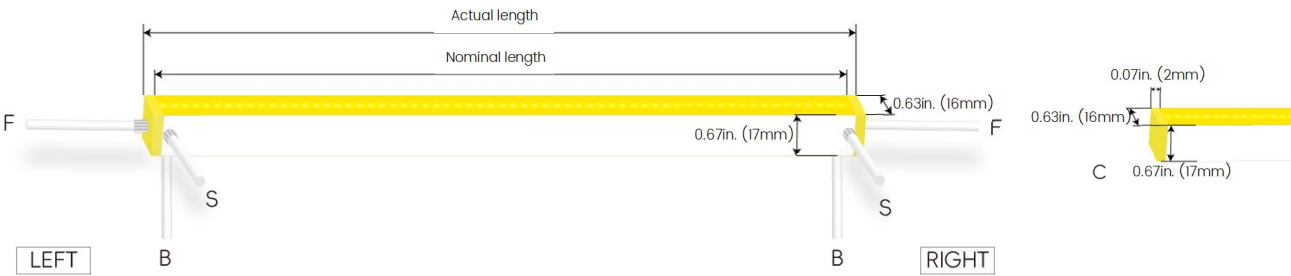
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Feed Entry / End Cap Options

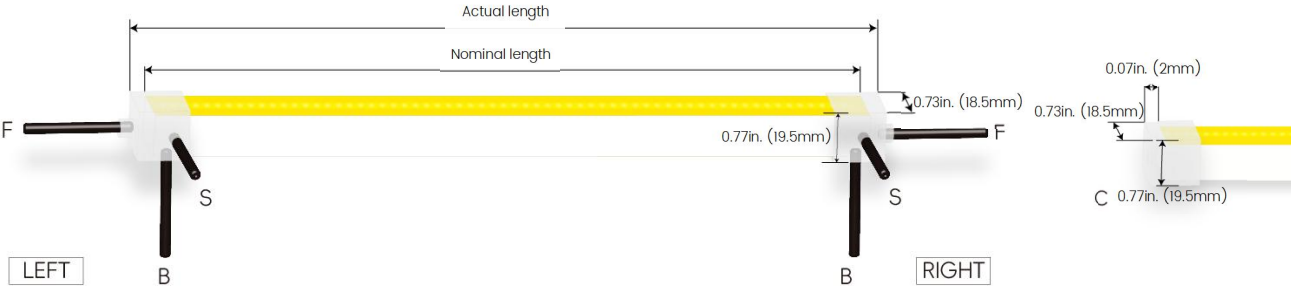
IJ: Injected end cap – IP67, factory-made only



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)



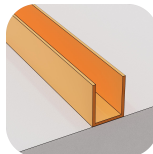
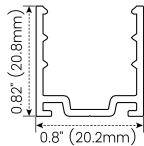
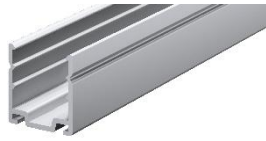
MC: Male connector, **Wet**
Standard 0.98ft (30cm), 18 AWG



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

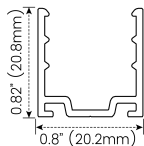
LINIO NEON 1617 SPOT Static White Outdoor · Vertical Bending · Horizontal Bending

Mounting Options



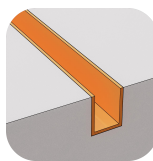
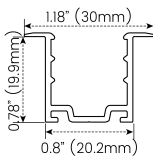
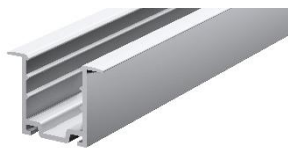
LN1617-SC

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



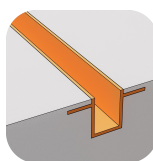
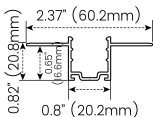
LN1617-BC

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



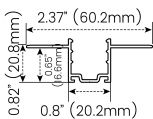
LN1617-RC

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



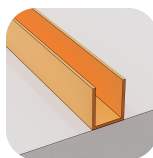
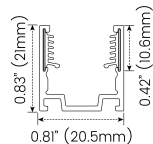
LN1617-MC

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



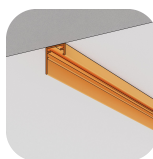
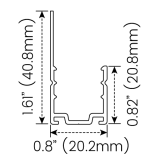
LN1617-BMC

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



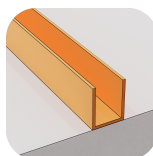
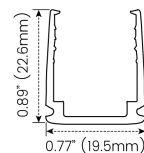
LN1617-SCS

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



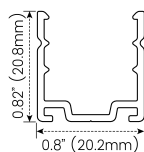
LN1617-LBC

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



LN1617-PC

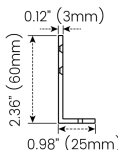
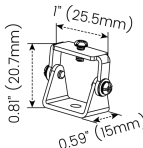
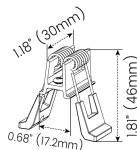
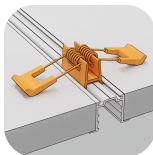
Name	PC channel
Material	Polycarbonate
Standard Length	3.28ft (1M)



LN1617-CL

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

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			LN1617-LS <table><tr><td>Name</td><td>L-shaped mounting bracket</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>0.79in. (20MM)</td></tr></table> * LN1617-LS can be installed with aluminum channel LN1617-SC.	Name	L-shaped mounting bracket	Material	Aluminum	Standard Length	0.79in. (20MM)
Name	L-shaped mounting bracket								
Material	Aluminum								
Standard Length	0.79in. (20MM)								
			LN1617-AC <table><tr><td>Name</td><td>Adjustable mounting clip</td></tr><tr><td>Material</td><td>Stainless steel</td></tr><tr><td>Standard Length</td><td>1 in. (25.5MM)</td></tr></table> * LN1617-LS can be installed with aluminum channel LN1617-SC.	Name	Adjustable mounting clip	Material	Stainless steel	Standard Length	1 in. (25.5MM)
Name	Adjustable mounting clip								
Material	Stainless steel								
Standard Length	1 in. (25.5MM)								
			LN1617-RC-SPC <table><tr><td>Name</td><td>Spring clip</td></tr><tr><td>Standard Pkg</td><td>1pcs</td></tr></table> * LN1617-RC-SPC must be installed with aluminum channel LN1617-RC.	Name	Spring clip	Standard Pkg	1pcs		
Name	Spring clip								
Standard Pkg	1pcs								

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, 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	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

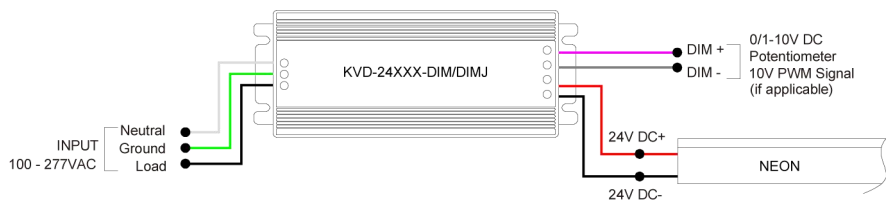
Non-dimmable



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)



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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
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)