

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

Features

- Symmetric optics with 36° beam angle for perfect wall washing lighting
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

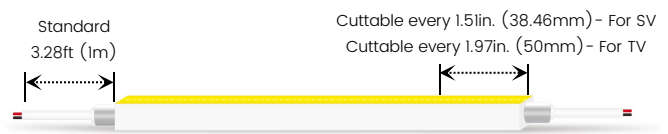
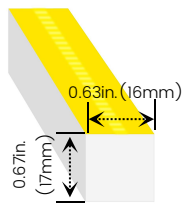
Applications

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



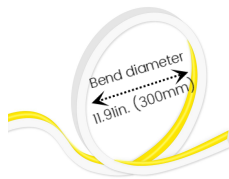
Date	Fixture type
Project name	Project phase

Dimensions (Vertical Bending · Horizontal Bending)



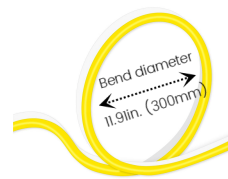
Bending Directions & Diameters

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 LN1617SVST	WB-Wet (IP68)	24V-DC24V	22K-2200K	549-5.49W/ft	FT	Flush Translucent (IP68)	F	Front	
			27K-2700K	585-5.85W/ft	FO		Flush Opaque (IP68)	B	Bottom
			30K-3000K	670-6.70W/ft				S	Side
			35K-3500K					C	Closed
			40K-4000K						
			50K-5000K						

*LN1617SVST: 5.49W/ft only.
LN1617TVST: Available for 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

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.

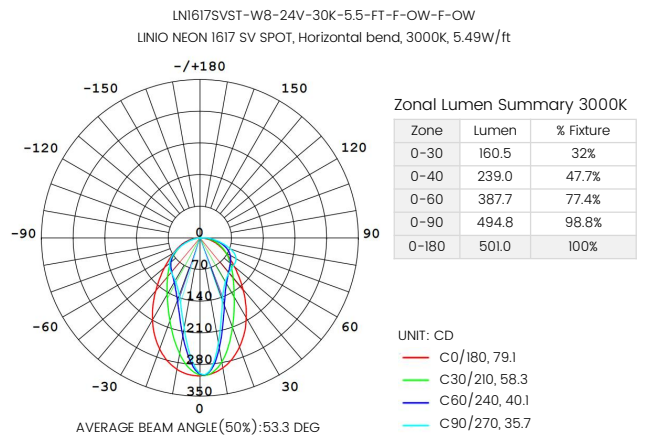
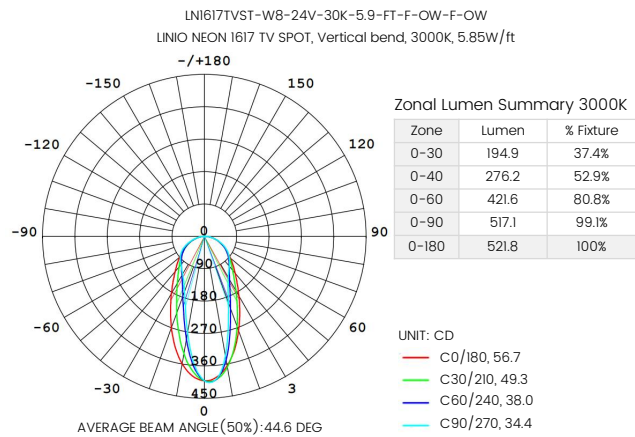
LINIO NEON 1617 SPOT Static White Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/ft)			
Temp./Color	Vertical Bending		Horizontal Bending
	5.85W/ft	6.70W/ft	5.49W/ft
2200K	/	/	376
2700K	600	670	417
3000K	620	691	436
3500K	648	714	449
4000K	682	764	448
5000K	661	737	441
Max. Run for Class 2*	13.6ft (4.1m)	11.9ft (3.6m)	14.5ft (4.4m)
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	112.6 lm/W @3000K 5.85W	79.4 lm/W @3000K 5.49W
CRI	Ra ≥ 90	Ra ≥ 90
Beam Angle	36°x 60°	36°x 80°
LED MacAdam	3 steps	3 steps
IK Rating	IK10 (with aluminium profile, walk over only)	IK09 (With Aluminium Profile)
Average Lifr (L70)	> 37,000 hours	> 40,000 hours
Storage Temperature	-40-149°F (-40°C- 65°C)	-40-149°F (-40°C- 65°C)
Operating Temperature	-40-149°F (-40°C- 65°C)	-40-149°F (-40°C- 65°C)

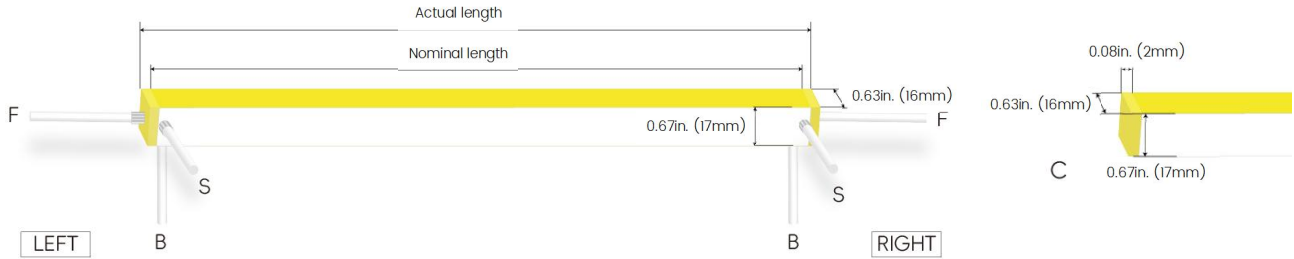
Photometry



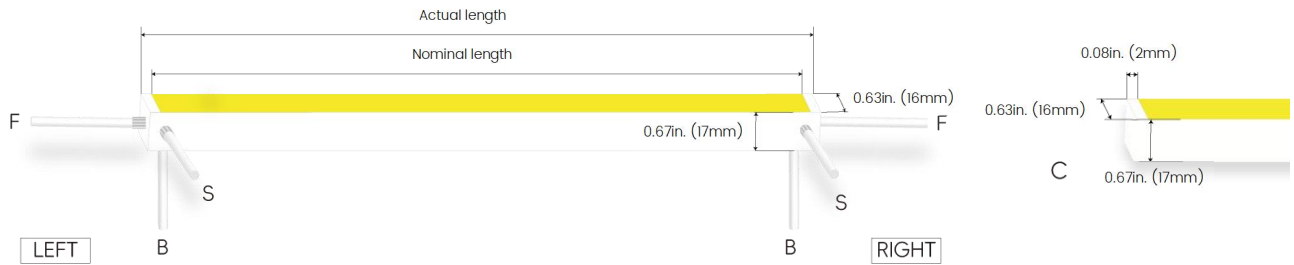
LINIO NEON 1617 SPOT Static White Outdoor · Vertical Bending · Horizontal Bending

Feed Entry / End Cap Options

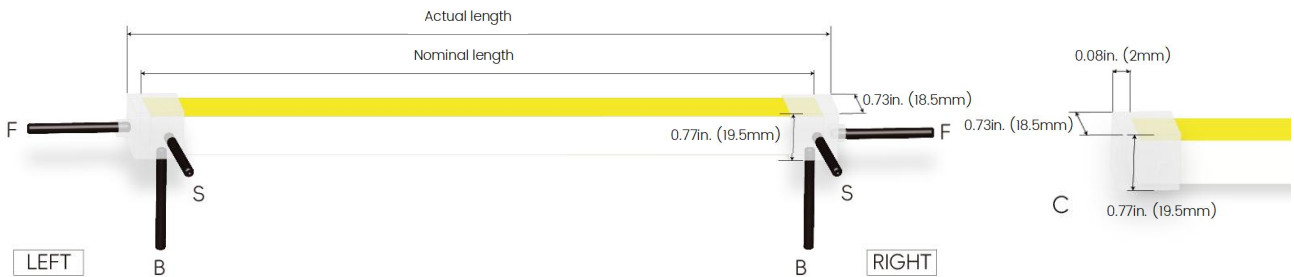
FT: Flush Translucent – IP68, factory-made only



FO: Flush Opaque – IP68, factory-made only



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 (IP67)**
Standard 0.98ft (30cm), 18 AWG



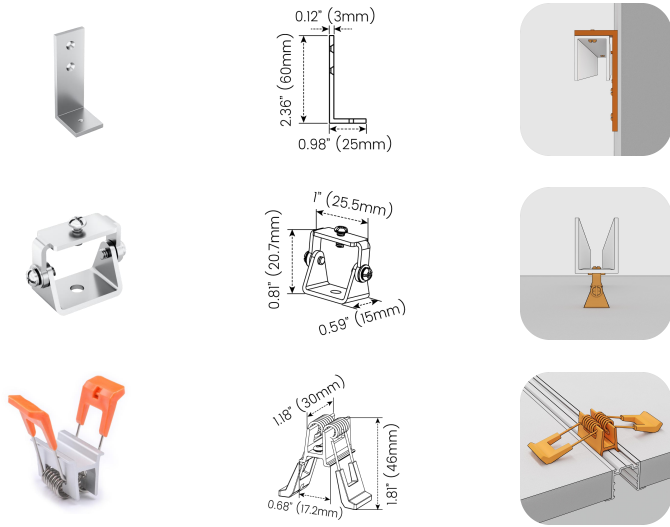
FC: Female connector, **Wet (IP67)**
Standard 0.98ft (30cm), 18 AWG

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

Mounting Options

			<p>LN1617-SC</p> <table border="1"> <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)		
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Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p>LN1617-BC</p> <table border="1"> <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
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Standard Length	3.28ft (1M)										
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			<p>LN1617-RC</p> <table border="1"> <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)		
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Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p>LN1617-MC</p> <table border="1"> <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
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Material	Aluminum										
Standard Length	3.28ft (1M)										
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			<p>LN1617-BMC</p> <table border="1"> <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)		
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Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p>LN1617-SCS</p> <table border="1"> <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)		
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Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p>LN1617-LBC</p> <table border="1"> <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)		
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Material	Aluminum										
Standard Length	3.28ft (1M)										
			<p>LN1617-PC</p> <table border="1"> <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)										
			<p>LN1617-CL</p> <table border="1"> <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)										

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



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)

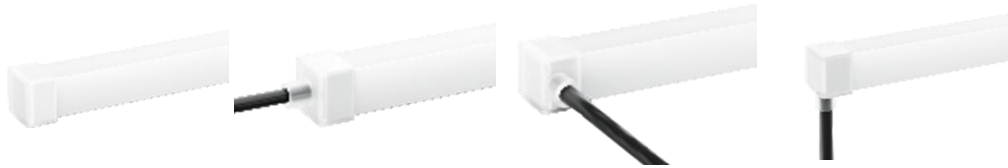
* LN1617-LS can be installed with aluminum channel LN1617-SC.

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)



LN1617-SEC-C
Silicone closed end cap, IP67

LN1617-SEC-F-2P
Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin, IP67

LN1617-SEC-S-2P
Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin, IP67

LN1617-SEC-B-2P
Silicone end cap bottom entry with 0.98ft (30cm) 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

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

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

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)

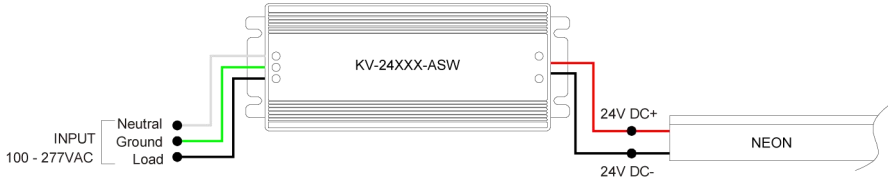
5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)

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)

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

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 SPOT Static White Outdoor · Vertical Bending · Horizontal 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	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)