

LINIO NEON 1617 RGBW

Outdoor · Vertical Bending · Horizontal Bending

Features

- Robust & uniform silicone body, changeable RGBW colors
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

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

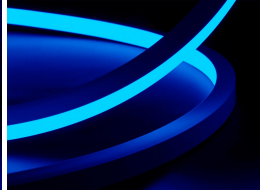


RoHS

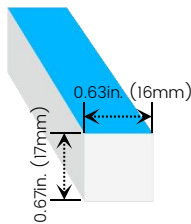
ONE BIN

DIM

24V DC

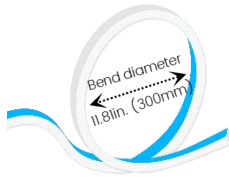
Date	Fixture type
Project name	Project phase
	

Dimension (Vertical Bending · Horizontal Bending)



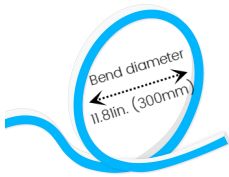
Bending Directions & Diameters

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	Temp./Color	Power	End Cap		Left Feed Entry	
LN1617TV LN1617SV	W7-Wet (IP67)	24-DC24V	RGBW27-RGBW (W=2700K) RGBW30-RGBW (W=3000K) RGBW35-RGBW (W=3500K) RGBW40-RGBW (W=4000K)	518-5.18W/ft	IJ IJC SEC MEC	Injected (IP67) Clear injected (IP67) Silicone (IP67) Mechanical with screws (IP67)	F Front B Bottom S Side C Closed J Jumper	OW Open wire 3.28ft (1m) MC Male connector with 0.98ft (30cm) cable FC Female connector with 0.98ft (30cm) cable NA Only for Closed Feed Entry

*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

Assembly Builder

Right Feed Entry				Length	
F	Front	OW	Open wire 3.28ft (1m)	Max. nominal	29.5ft (9m)
B	Bottom	MC	Male connector with 0.98ft (30cm) cable	*For IJ/IJC/SEC end cap	
S	Side	FC	Female connector with 0.98ft (30cm) cable	Max. nominal	19ft (5.8m)
C	Closed	NA	Only for Closed Feed Entry	*Only for MEC end cap	
J	Jumper			Increment	3.28in. (83.3mm)

*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.

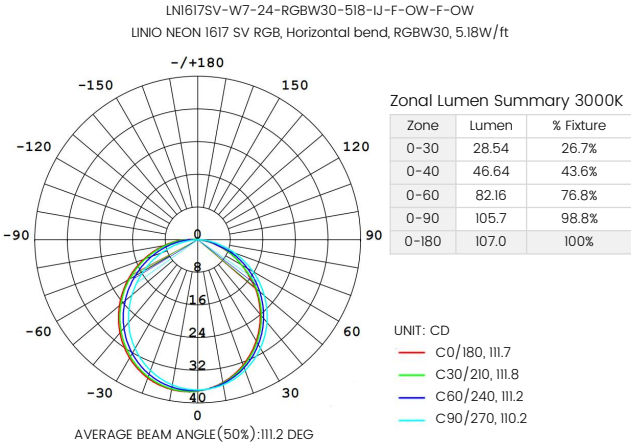
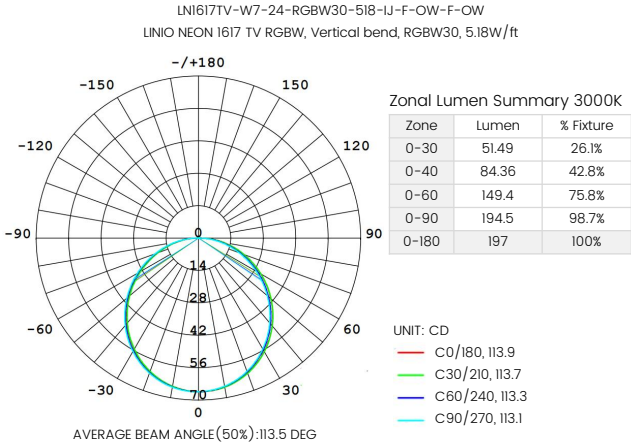
LINIO NEON 1617 RGBW

Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/ft)		
Temp./Color	Vertical Bending	Horizontal Bending
	5.18W/ft	5.18W/ft
 R	26	19
 G	73	56
 B	17	13
 W27	80	62
 W30	87	66
 W35	83	68
 W40	83	69
 RGBW27	191	148
 RGBW30	197	151
 RGBW35	194	151
 RGBW40	194	153
Max. Run for Class 2*	14.8ft (4.5m)	
Max. Run Supported Length	29.5ft (9m)	
*Typically installations in USA and Canada comply with Class 2 requirements.		

Technical Details		
	Vertical Bending	Horizontal Bending
Efficacy	38lm/W @RGBW30 5.18W	29.2lm/W @RGBW30 5.18W
CRI	Ra≥80	Ra≥80
Beam Angle	110°	110°
LED MacAdam	2 steps	2 steps
IK Rating	IK10 (With Aluminium Profile)	IK10 (With Aluminium Profile)
Average Life (L70)	> 46,000 hours	
Storage Temperature	-40~185°F (-40°C~ 85°C)	
Operating Temperature	-40~113°F (-40°C~ 45°C)	

Photometry

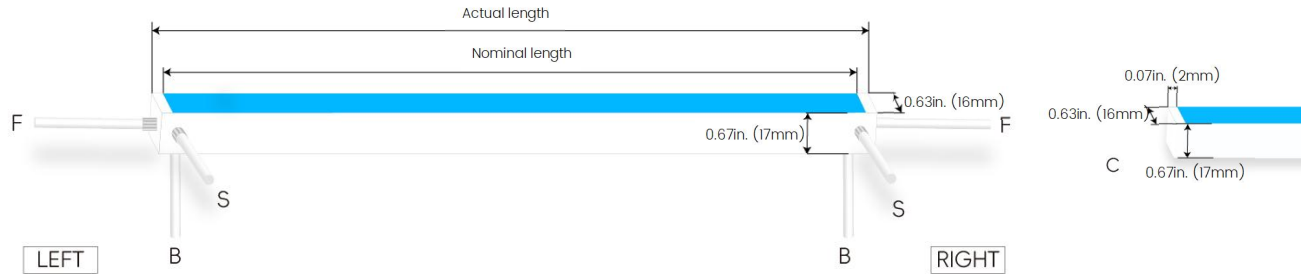


LINIO NEON 1617 RGBW

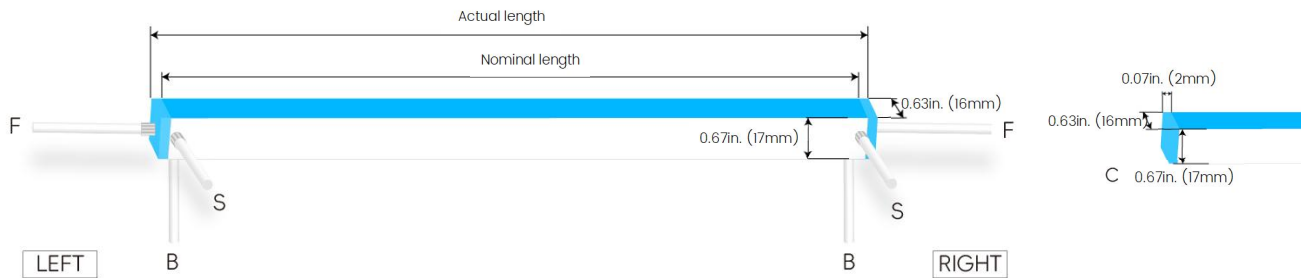
Outdoor · Vertical Bending · Horizontal Bending

Feed Entry / End Cap Options

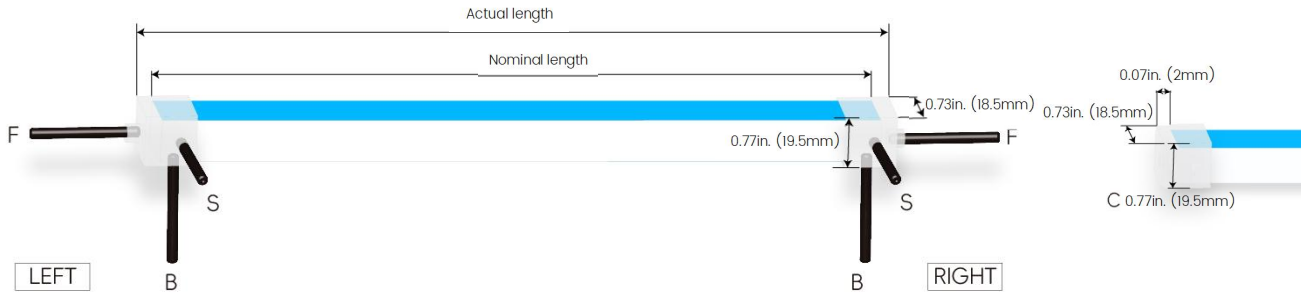
IJ: Injected end cap – IP67, factory-made only



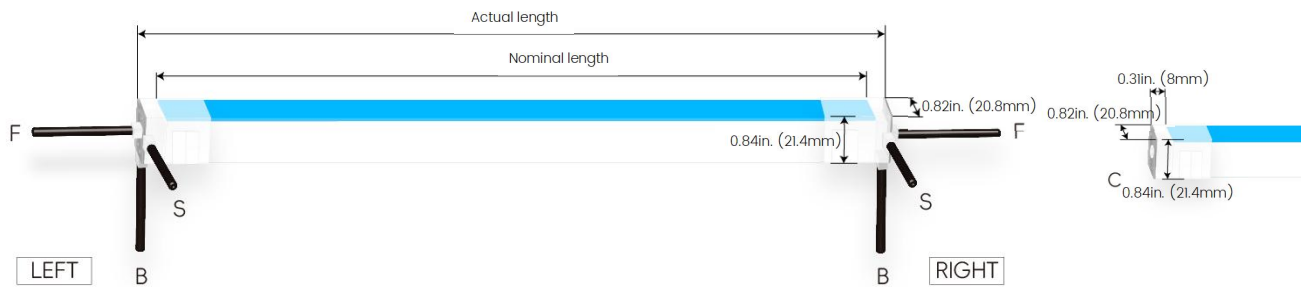
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



MEC: Mechanical end cap with screws – IP67



Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28ft (1m), 20 AWG (wire length customizable)



MC: Male connector, **Wet**
Standard 0.98ft (30cm), 20 AWG

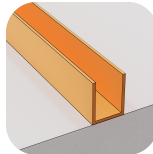
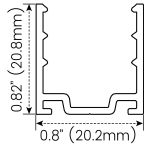


FC: Female connector, **Wet**
Standard 0.98ft (30cm), 20 AWG

LINIO NEON 1617 RGBW

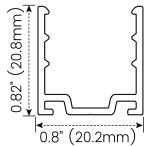
Outdoor · Vertical Bending · Horizontal Bending

Mounting Options



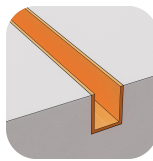
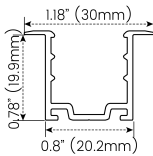
LN1617-SC

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



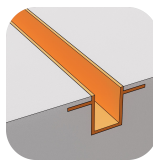
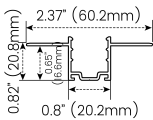
LN1617-BC

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



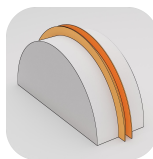
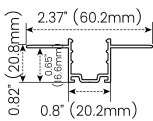
LN1617-RC

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



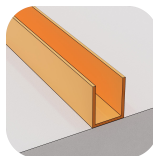
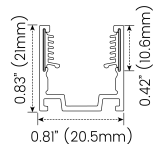
LN1617-MC

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



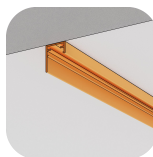
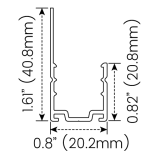
LN1617-BMC

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



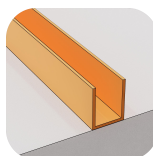
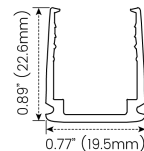
LN1617-SCS

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



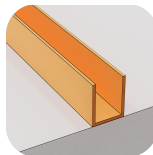
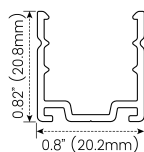
LN1617-LBC

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



LN1617-PC

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

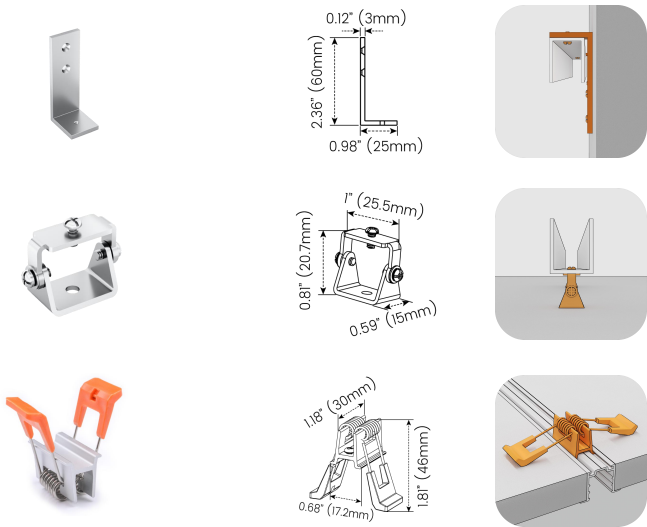


LN1617-CL

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

LINIO NEON 1617 RGBW

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)

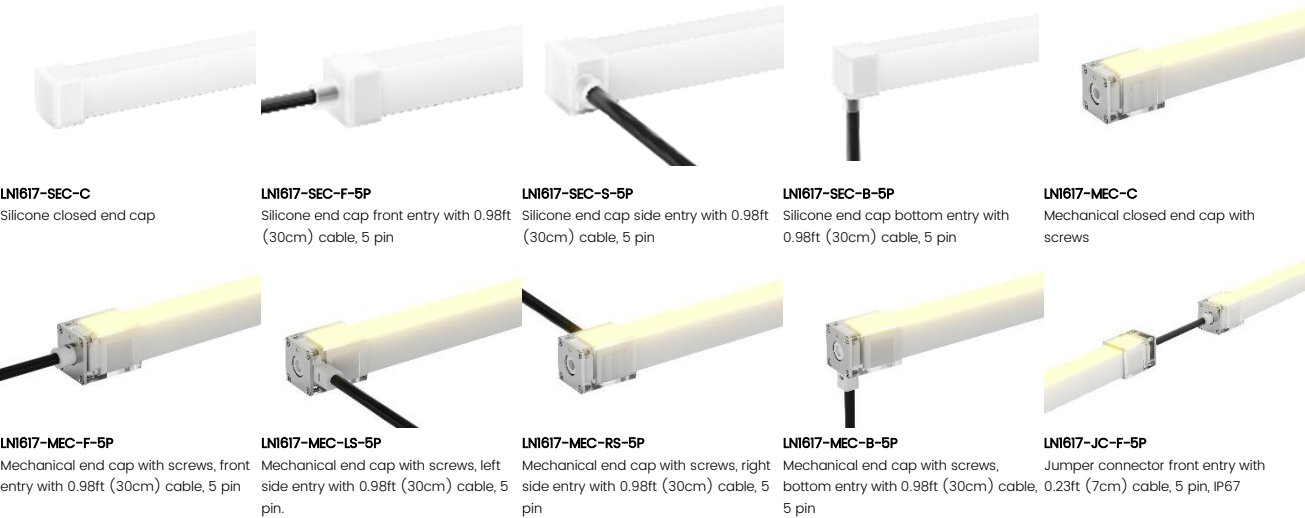
* LN1617-LS can be installed with aluminum channel LN1617-SC.

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)



Additional Accessories (Optional, purchase for extra)



LINIO NEON 1617 RGBW

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)

DMX-dimmable

Code	Max Load	Input	Output	Class 2	Environment	Size (L * W * H)
KVX-24096-3C-A	96W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 x 3.07 x 0.98 in. (23.0 x 7.8 x 2.5 cm)
KVX-24150-3C-A	150W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 x 3.07 x 0.98 in. (27.7 x 7.8 x 2.5 cm)
KVX-24200-3C-A	200W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 x 3.07 x 0.98 in. (27.7 x 7.8 x 2.5 cm)
KVX-24300-3C-A	300W	100-277VAC	24V	No	Dry/Damp/Wet	11.85 x 3.07 x 0.98 in. (30.1 x 7.8 x 2.5 cm)

DMX Decoders

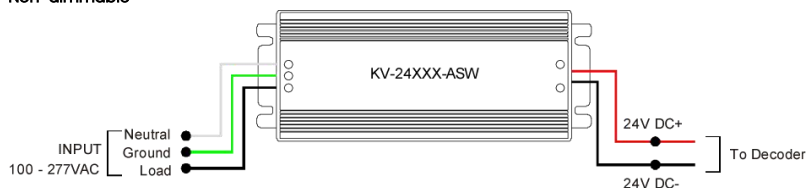
Code	Description
LT-903	3 channels output, up to 576W output power
LT-912	12 channels output, up to 1152W output power
LT-924	24 channels output, up to 1728W output power

Controllers

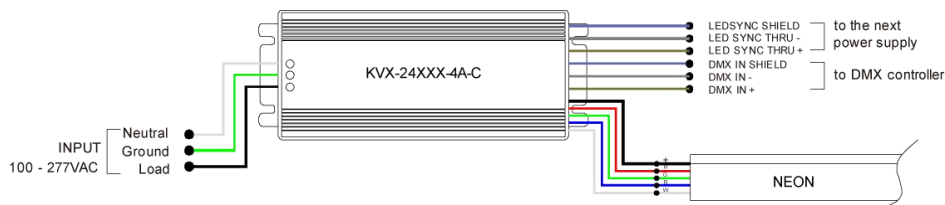
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons

Wiring Diagram

Non-dimmable



DMX-dimmable



LINIO NEON 1617 RGBW

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	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)