

LINIO NEON 1617 RGB

Outdoor · Vertical Bending · Horizontal Bending

Features

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

Applications

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



Date

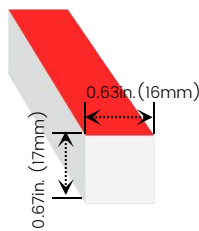
Fixture type

Project name

Project phase



Dimensions (Vertical Bending · Horizontal Bending)



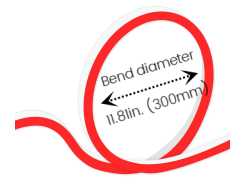
Bending Directions & Diameters

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

Series	Environment	Voltage	Temp./Color	Power	End Cap		Left Feed Entry	
LN1617TV LN1617SV	W7-Wet (IP67)	24-DC24V	RGB	390-3.90W/ft	IJ	Injected (IP67)	F	Front
					IJC	Clear injected (IP67)	B	Bottom
					SEC	Silicone (IP67)	S	Side
					MEC	Mechanical with screws (IP67)	C	Closed
							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	42.6ft (13m)
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	25.3ft (7.7m)
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.

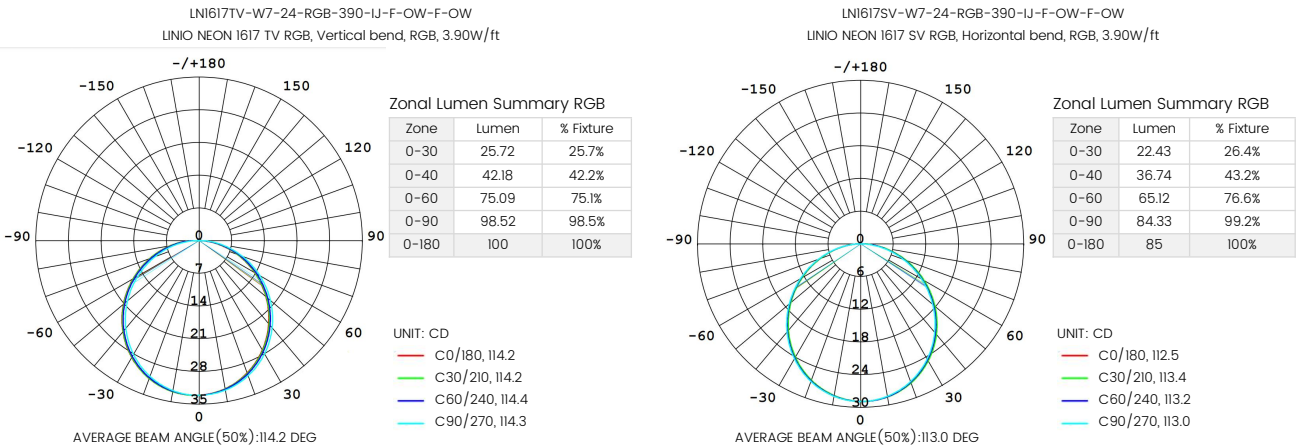
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Lumen Output (lm/ft)		
Temp./Color	Vertical Bending	Horizontal Bending
	3.90W/ft	3.90W/ft
R	29	21
G	71	55
B	14	11
RGB	100	85
Max. Run for Class 2*	19.7ft (6m)	
Max. Run Supported Length	42.6ft (13m)	
*Typically installations in USA and Canada comply with Class 2 requirements.		

Technical Details		
	Vertical Bending	Horizontal Bending
Efficacy	25.6lm/W @RGB 3.90W	21.8lm/W @RGB 3.90W
CRI	Ra≥90	Ra≥90
Beam Angle	110°	110°
LED MacAdam	2 steps	2 steps
IK Rating	IK10 (With Aluminium Profile)	IK10 (With Aluminium Profile)
Average Life (L70)	> 38,000 hours	> 38,000 hours
Storage Temperature	-40-140°F (-40°C- 60°C)	
Operating Temperature	-40-113°F (-40°C- 45°C)	

Photometry

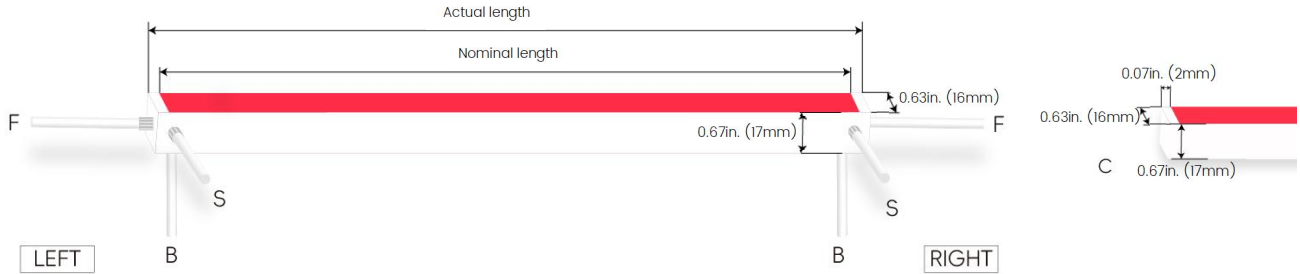


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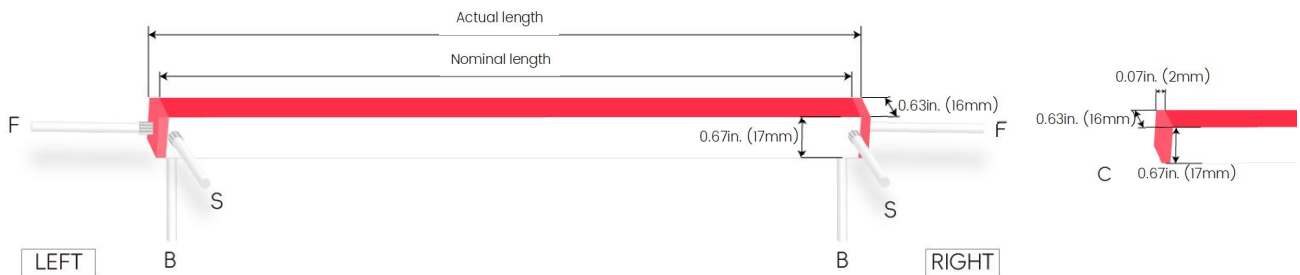
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Feed Entry / End Cap Options

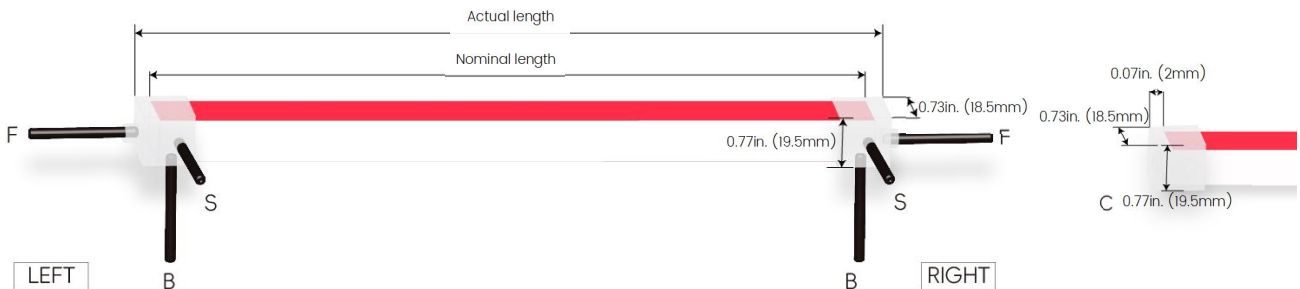
IJ: Injected end cap – IP67, factory-made only



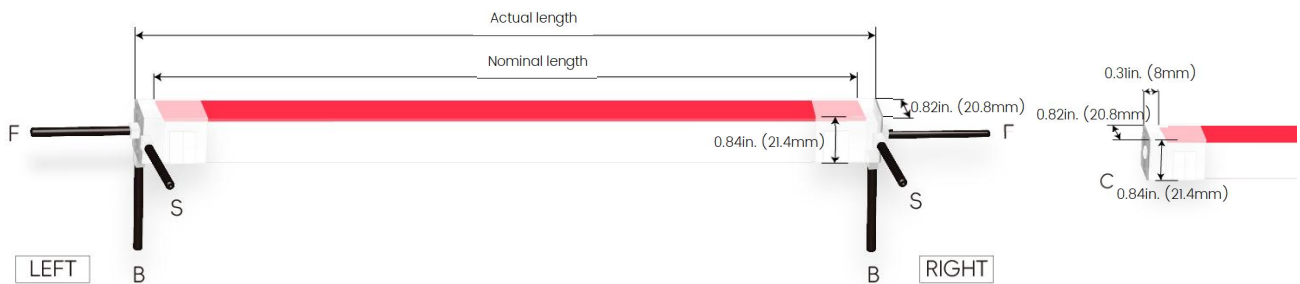
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



MEC: Mechanical end cap with screws – IP67



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

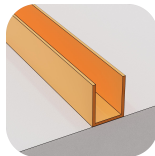
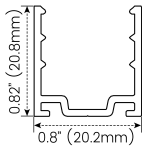
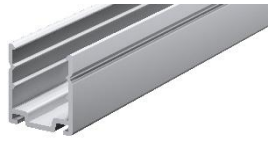


FC: Female connector, **Wet**
Standard 0.98ft (30cm), 20 AWG

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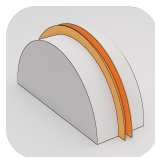
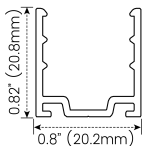
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Mounting Options



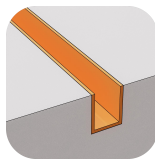
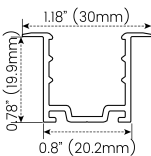
LN1617-SC

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



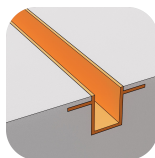
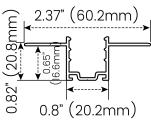
LN1617-BC

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



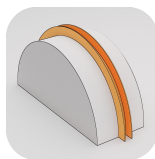
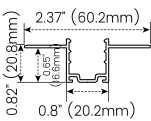
LN1617-RC

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



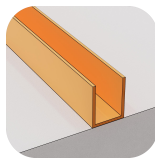
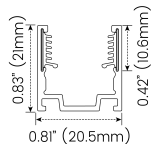
LN1617-MC

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



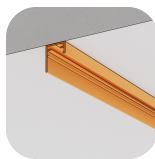
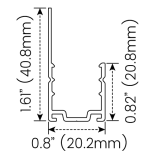
LN1617-BMC

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



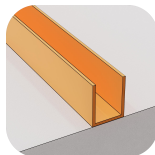
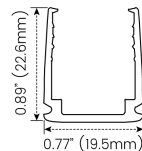
LN1617-SCS

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



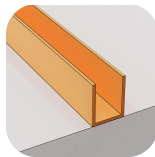
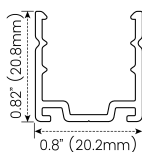
LN1617-LBC

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



LN1617-PC

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

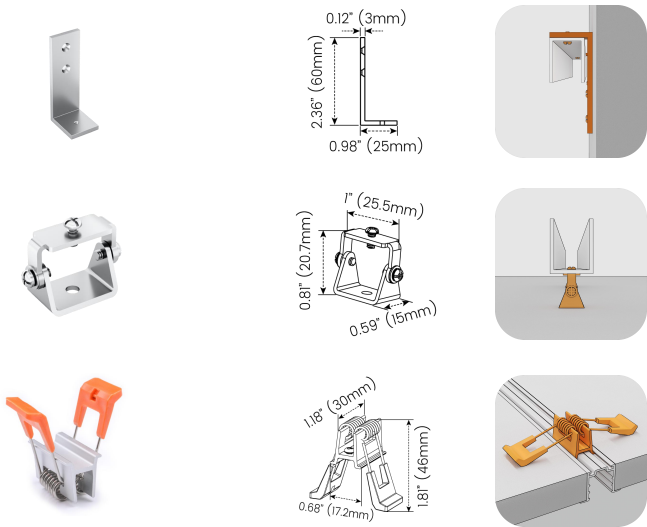


LN1617-CL

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

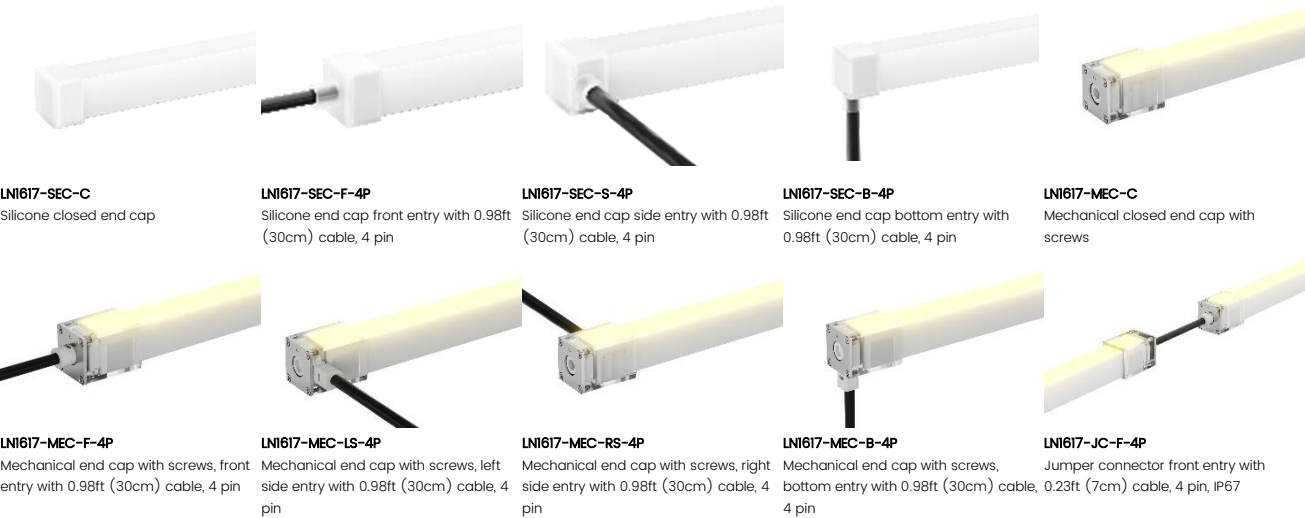
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LN1617-LS	
Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	0.79in. (20mm)
* LN1617-LS can be installed with aluminum channel LN1617-SC.	
LN1617-AC	
Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	1 in. (25.5mm)
* 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)



MCW-4P-67 Male connector with 0.98ft (30cm) white cable, 4 pin, IP67, Wet, 20 AWG	FCW-4P-67 Female connector with 0.98ft (30cm) white cable, 4 pin, IP67, Wet, 20 AWG	MCB-4P-67 Male connector with 0.98ft (30cm) black cable, 4 pin, IP67, Wet, 20 AWG	FCB-4P-67 Female connector with 0.98ft (30cm) black cable, 4 pin, IP67, Wet, 20 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)

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

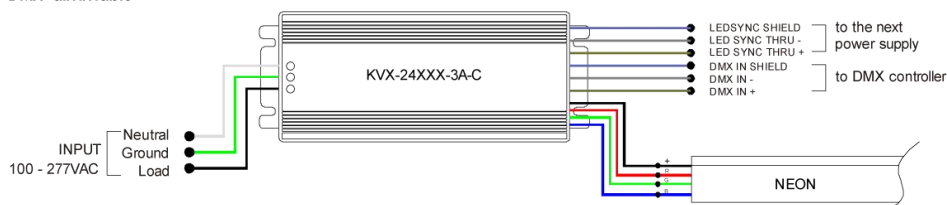
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4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

Wiring Diagram

Non-dimmable



DMX-dimmable



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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)