

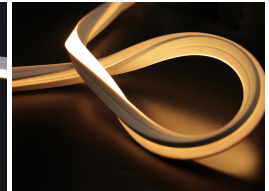
LINEO NEON 1010X Static White Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

Features

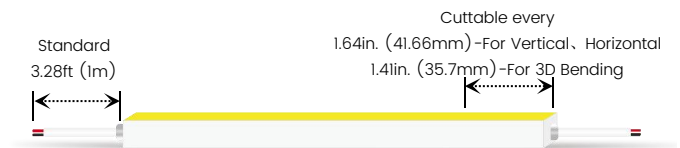
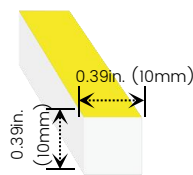
- Robust & uniform silicone body, elite performance in outputs and durability
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

Gardens, parks, hotels, facades, pathways, outdoor steps, etc.



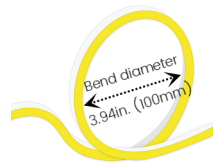
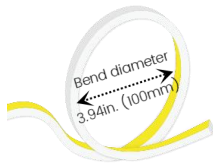
Dimensions (Vertical Bending · Horizontal Bending · 3D Bending)



Bending Directions & Diameters

TV - Top View (Vertical Bending)

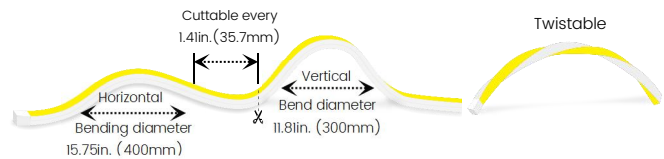
SV - Side View (Horizontal Bending)



*Horizontal and 3D bending are prohibited.

*Vertical and 3D bending are prohibited.

3D(In Any Direction-Twistable)



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry				
LN1010XTV	W7-Wet (IP67)	24-DC24V	22-2200K	335-3.35W/ft	IJ	Injected (IP67)	F	Front	OW	Open wire 3.28ft (1m)
LN1010XSV			27-2700K	305-3.05W/ft	IJC	Clear injected (IP67)	B	Bottom	MC	Male connector with 0.98ft (30cm) cable
LN10103D			30-3000K		SEC	Silicone (IP67)	S	Side	FC	Female connector with 0.98ft (30cm)cable
			35-3500K				C	Closed	NA	Only for Closed Feed Entry
			40-4000K							
			53-5300K							
			55-5500K							
*LN1010XTV/LN1010XSV: 5500K is not available. LN10103D: 2200K&5300K are not available.										

Assembly Builder

Assembly Builder

Right Feed Entry			Length		
F	Front	OW Open wire 3.28ft (1m)	Max. nominal	32.8ft (10m)	-LN10I0XTV only.
B	Bottom	MC Male connector with 0.98ft (30cm) cable		26.2ft (8m)	-LN10I0XSX only.
S	Side	FC Female connector with 0.98ft (30cm) cable		16.4ft (5m)	-LN10I03D only.
C	Closed	NA Only for Closed Feed Entry	Increment	1.46in. (4.66mm)	-LN10I0XTV/LN10I0XSX
				1.4lin. (35.7mm)	-LN10I03D only.

*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 1010X Static White

Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

Lumen Output (lm/ft)

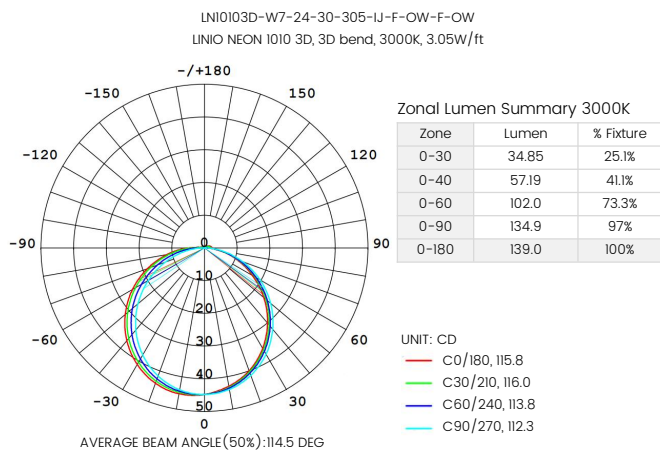
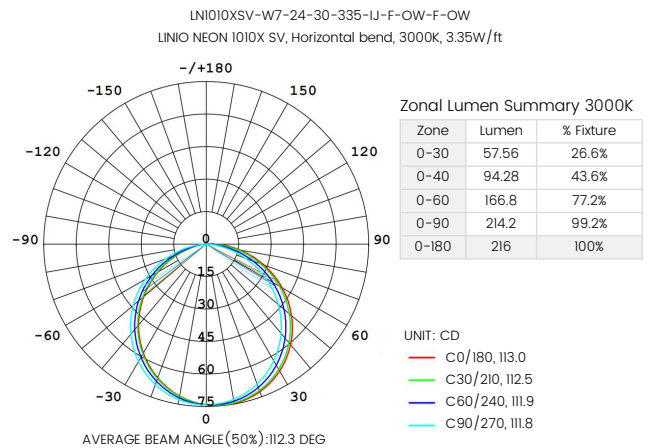
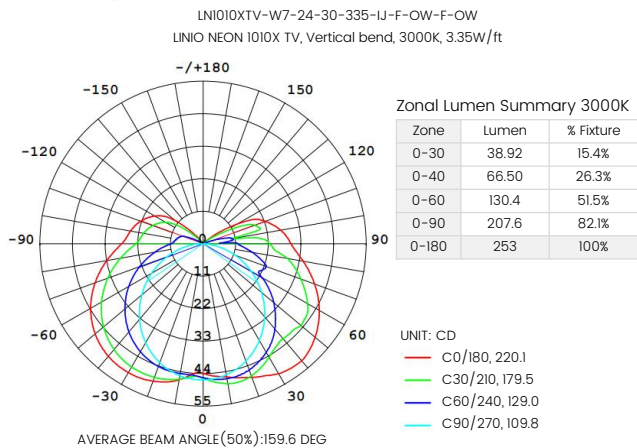
Temp./Color	Vertical Bending	Horizontal Bending	3D Bending
	3.35W/ft	3.35W/ft	3.05W/ft
2200K	246	183	Not applicable
2700K	251	201	202
3000K	253	216	218
3500K	253	224	224
4000K	257	229	208
5300K	249	232	Not applicable
5500K	Not applicable	Not applicable	218
Max. Run for Class 2*	22.9ft (6.8m)	22.9ft (6.8m)	16.4ft (5m)
Max. Run Supported Length	42.6ft (12.9m)	26.2ft (8m)	

*Typically installations in USA and Canada comply with Class 2 requirements.

Technical Details

	Vertical Bending	Horizontal Bending	3D Bending
Efficacy	76.7lm/W @4000K 3.35W	68.4lm/W @4000K 3.35W	68.2lm/W @4000K 3.05W
CRI	Ra ≥ 90	Ra ≥ 90	Ra ≥ 90
Beam Angle	160° (3-sides emitting)	110°	110°
LED MacAdam	2 steps	2 steps	2 steps
IK Rating	IK10	IK10 (With Aluminium Profile)	IK07
Average Life (L70)	> 54,000 hours	> 54,000 hours	> 54,000 hours
Storage Temperature		-40~140°F (-40°C~ 60°C)	
Operating Temperature		-40~113°F (-40°C~ 45°C)	

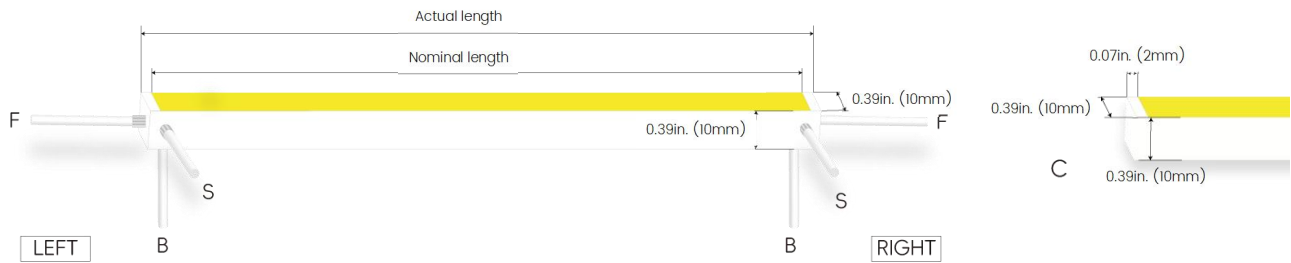
Photometry



LINIO NEON 1010X Static White Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

Feed Entry / End Cap Options

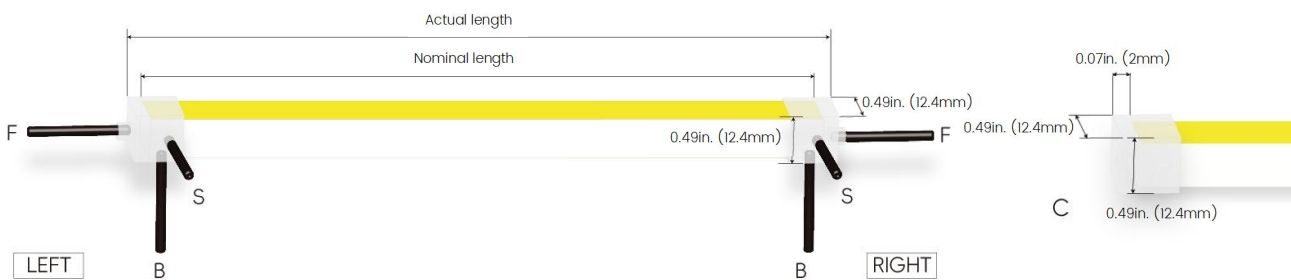
IJ: Injected end cap – IP67, factory-made only



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



SEC: Silicone end cap – IP67



Connector Wire Options



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



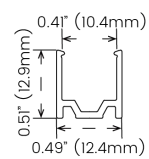
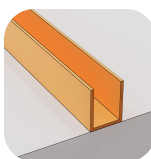
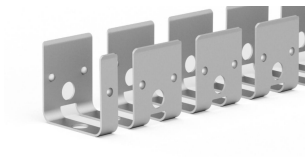
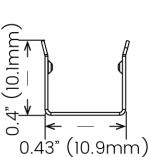
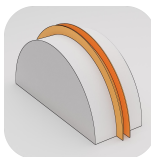
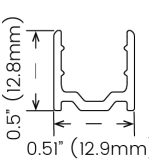
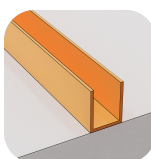
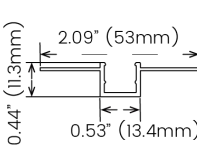
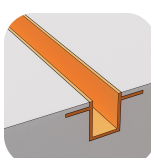
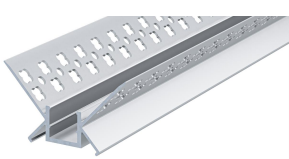
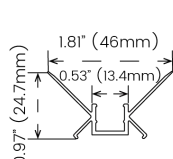
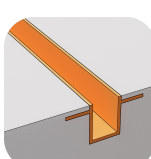
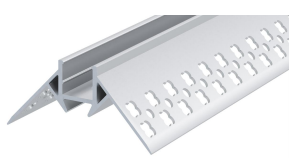
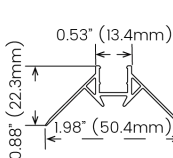
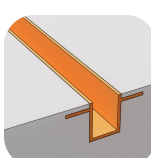
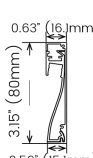
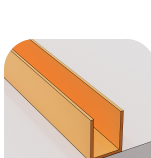
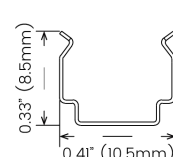
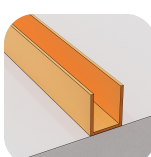
MC: Male connector, **Wet**
Standard 0.98ft (30cm), 20 AWG



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

LINIO NEON 1010X Static White Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

Mounting Options

	 0.41" (10.4mm) 0.51" (12.9mm) 0.49" (12.4mm)		LN1010-SC <table><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)
Name	Straight surface channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								
	 0.4" (10.1mm) 0.43" (10.9mm)		LN1010-BC <table><tr><td>Name</td><td>Bendable surface channel</td></tr><tr><td>Material</td><td>Stainless Steel</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	Bendable surface channel	Material	Stainless Steel	Standard Length	3.28ft (1M)
Name	Bendable surface channel								
Material	Stainless Steel								
Standard Length	3.28ft (1M)								
	 0.5" (12.8mm) 0.51" (12.9mm)		LN1010-PC <table><tr><td>Name</td><td>PC channel</td></tr><tr><td>Material</td><td>PC</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	PC channel	Material	PC	Standard Length	3.28ft (1M)
Name	PC channel								
Material	PC								
Standard Length	3.28ft (1M)								
	 2.09" (53mm) 0.44" (11.3mm) 0.53" (13.4mm)		LN1010-MC <table><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></table>	Name	Mud-in channel	Material	Aluminum	Standard Length	3.28ft (1M)
Name	Mud-in channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								
	 1.81" (46mm) 0.53" (13.4mm) 0.97" (24.7mm)		LN1010-IC <table><tr><td>Name</td><td>Inside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	Inside corner channel	Material	Aluminum	Standard Length	3.28ft (1M)
Name	Inside corner channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								
	 0.53" (13.4mm) 0.88" (22.3mm) 1.98" (50.4mm)		LN1010-OC <table><tr><td>Name</td><td>Outside corner channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	Outside corner channel	Material	Aluminum	Standard Length	3.28ft (1M)
Name	Outside corner channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								
	 0.63" (16.1mm) 3.15" (80mm) 0.59" (15.1mm)		LN1010-SBC <table><tr><td>Name</td><td>Skirting board channel</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>3.28ft (1M)</td></tr></table>	Name	Skirting board channel	Material	Aluminum	Standard Length	3.28ft (1M)
Name	Skirting board channel								
Material	Aluminum								
Standard Length	3.28ft (1M)								
	 0.33" (8.5mm) 0.41" (10.5mm)		LN1010-CL <table><tr><td>Name</td><td>Mounting clip</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td>Standard Length</td><td>0.28in. (7mm)</td></tr></table>	Name	Mounting clip	Material	Aluminum	Standard Length	0.28in. (7mm)
Name	Mounting clip								
Material	Aluminum								
Standard Length	0.28in. (7mm)								

LINIO NEON 1010X Static White Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

End Caps (Optional, purchase for extra)



LN1010-SEC-C
Silicone closed end cap



LN1010-SEC-F-2P
Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin



LN1010-SEC-S-2P
Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin



LN1010-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, 20 AWG



FCW-2P-67
Female connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG

LINIO NEON 1010X Static White Outdoor · Vertical Bending · Horizontal Bending · 3D 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	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)

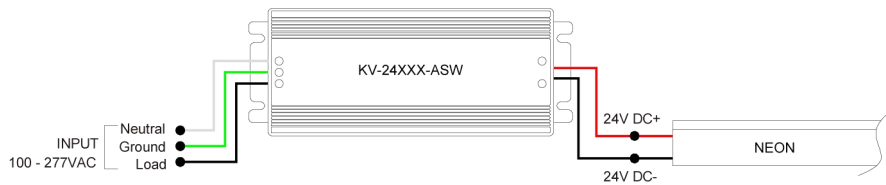
5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)							
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KVG-24060-DW	60W						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KVG-24096-DW	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)

LINIO NEON 1010X Static White

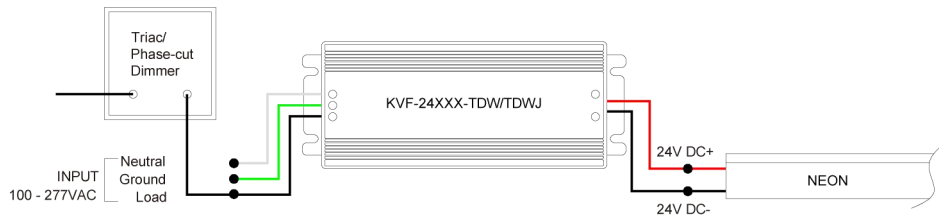
Outdoor · Vertical Bending · Horizontal Bending · 3D Bending

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 1010X 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)