

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

Features

- Robust & uniform silicone body, elite performance in outputs and durability
- IP68 rated, ideal for outdoor uses
- 5 years warranty

Applications

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



Date

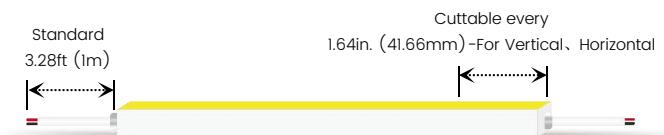
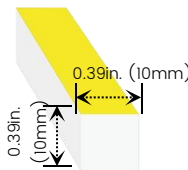
Fixture type

Project name

Project phase

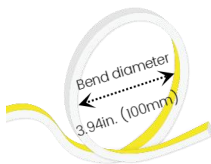


Dimensions (Vertical Bending · Horizontal Bending · 3D Bending)



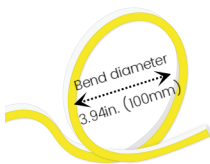
Bending Directions & Diameters

TV - Top View (Vertical Bending)



*Horizontal and 3D bending are prohibited.

SV - Side View (Horizontal Bending)



*Vertical and 3D bending are prohibited.

Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
LN1010XTV	W8-Wet (IP68) *Not for submersible use.	24V-DC24V	22K-2200K	3.4-3.35W/ft	IJ Injected (IP68)	F Front
LN1010XSV			27K-2700K		IJC Clear injected (IP68)	B Bottom
			30K-3000K		SEC Silicone (IP67)	S Side
			35K-3500K			C Closed
			40K-4000K			
			53K-5300K			

*Injected and clear injected end cap are factory-made only.

Assembly Builder

Assembly Builder

Right Feed Entry				Length		
F	Front	OW	Open wire 3.28ft (1m)	Max. nominal	32.8ft (10m)	-LN1010XTV only.
B	Bottom	MC	Male connector with 0.98ft (30cm) cable		26.2ft (8m)	-LN1010XSV only.
S	Side	FC	Female connector with 0.98ft (30cm) cable	Increment	1.46in. (41.66mm)	-LN1010XTV/LN1010XSV
C	Closed	NA	Only for Closed Feed Entry			

*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)

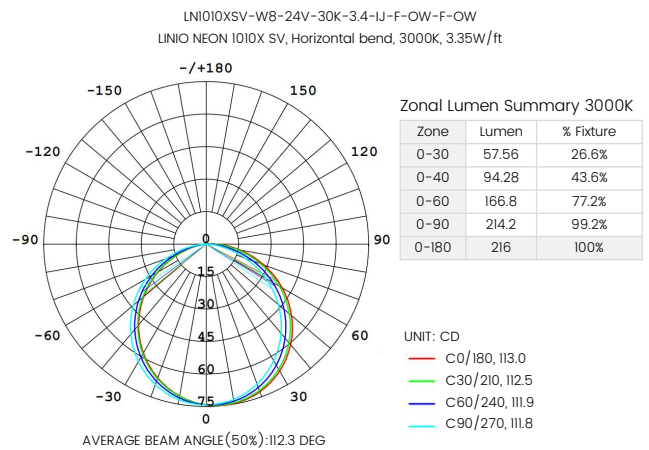
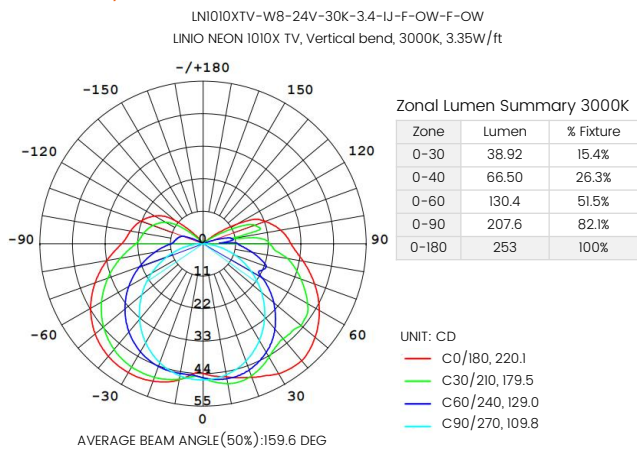
Temp./Color	Vertical Bending	Horizontal Bending
	3.35W/ft	3.35W/ft
2200K	246	183
2700K	251	201
3000K	253	216
3500K	253	224
4000K	257	229
5300K	249	232
Max. Run for Class 2*	23.9ft (7.3m)	23.9ft (7.3m)
Max. Run Supported Length	42.7ft (13m)	26.2ft (8m)

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

Technical Details

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

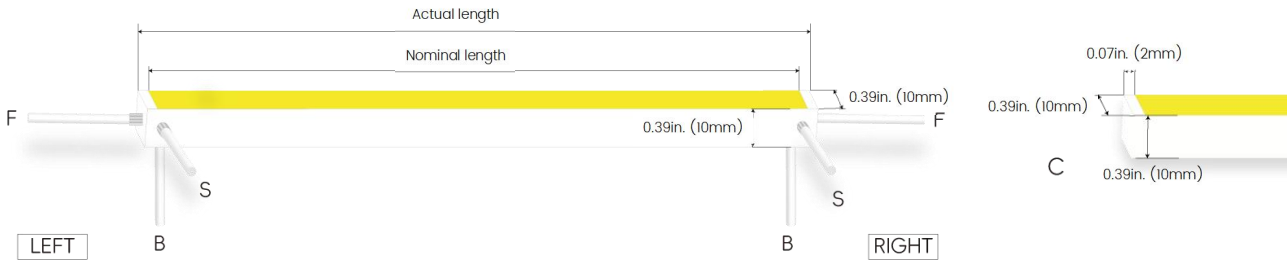
Photometry



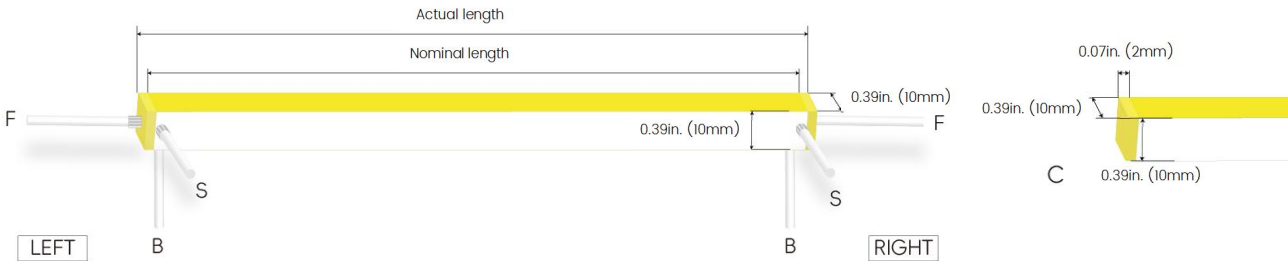
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Feed Entry / End Cap Options

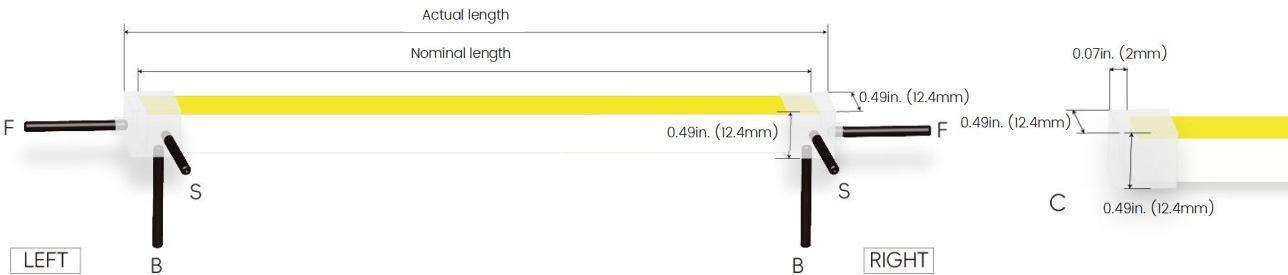
IJ: Injected end cap – IP68, factory-made only



IJC: Clear injected end cap – IP68, 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)



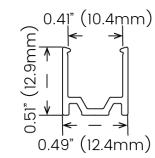
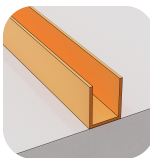
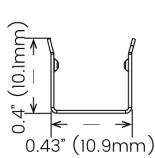
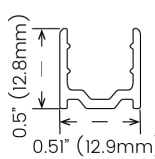
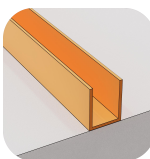
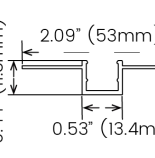
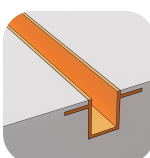
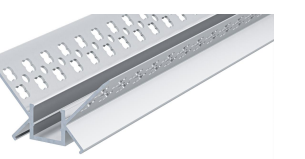
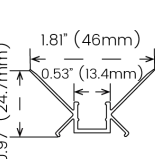
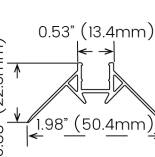
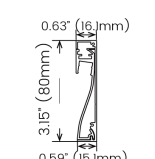
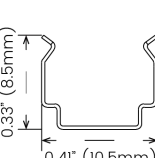
MC: Male connector, **Wet**
Standard 0.98ft (30cm), 20 AWG



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

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Mounting Options

			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)								
			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)								
			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)								
			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)								
			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)								
			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)								
			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)
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Material	Aluminum								
Standard Length	3.28ft (1M)								
			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)								

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End Caps (Optional, purchase for extra)



LINIO10-SEC-C
Silicone closed end cap



LINIO10-SEC-F-2P
Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin



LINIO10-SEC-S-2P
Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin



LINIO10-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

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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

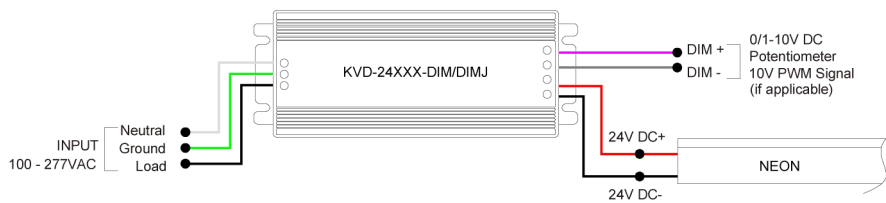
Non-dimmable



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	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)