Beamever

LINIO NEON 1010X 3S TV

Designer's Custom Playground

Vertical Bending · Static White

Features

- 3-sides emitting design offers smooth diffusion at direct view
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

Date

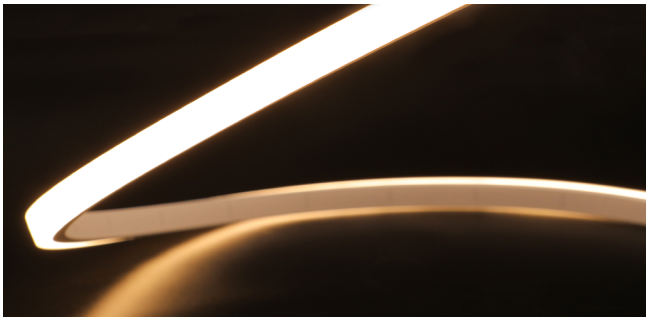
Fixture type

Project name

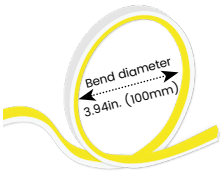
Project phase

Applications

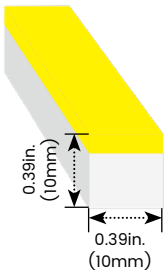
Gardens, parks, hotels, facades, pathways, outdoor steps, etc.

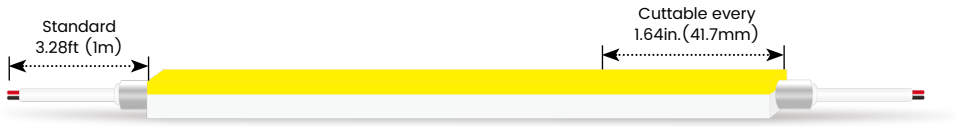


Bending Directions & Diameters



Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
LN1010X3STV	**W8**-Wet (IP68)	**24V**-DC24V	**22K**-2200K **27K**-2700K **30K**-3000K **35K**-3500K **40K**-4000K **53K**-5300K	**3.4**-3.35W/ft	**FT** Flush Translucent **FO** Flush Opaque	**F** Front **OW** Open wire 3.28ft (1m) **B** Bottom **OA** Open Wire with Anti-Wicking Ferrule **S** Side **MC** Male connector with 11.81in. (300mm) cable **C** Closed **FC** Female connector with 11.81in. (300mm)cable **NA** Only for Closed Feed Entry

Assembly Builder

Right Feed Entry				Length	
F	Front	**OW**	Open wire 3.28ft (1m)	**Max. nominal**	42.7ft (13m)
B	Bottom	**OA**	Open Wire with Anti-Wicking Ferrule	**Increment**	1.64in. (41.7mm)
S	Side	**MC**	Male connector with 11.81in. (300mm) cable		
C	Closed	**FC**	Female connector with 11.81in. (300mm)cable		
		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

LINIO NEON 1010X 3S TV

Vertical Bending · Static White

Lumen Output (lm/ft)

CCT	3.35W/ft
2200K	253
2700K	274
3000K	282
3500K	287
4000K	290
5300K	277
Max. Run for Class 2*	23.9ft (7.3m)
Max. Run Supported Length	42.7ft (13m)

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

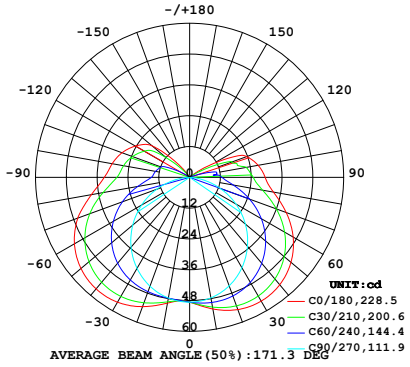
Techinical Details

Efficacy	84lm/W @3000K 3.35W
CRI	Ra≥90
Beam Angle	160°(3-sides emitting)
LED MacAdam	2 steps
Average Life (L80B10)	>52,000 hours
Storage Temperature	-40°F~149°F (-40°C~ 65°C)
Operating Temperature	-40°F~149°F (-40°C~ 65°C)

Photometry

LN1010X3STV-W8-24V-30K-3.4-FT-F-OW-F-OW

LINIO NEON 1010X 3S TV, Vertical Bend, 3000K, 3.35W/ft



Zonal Lumen Summary

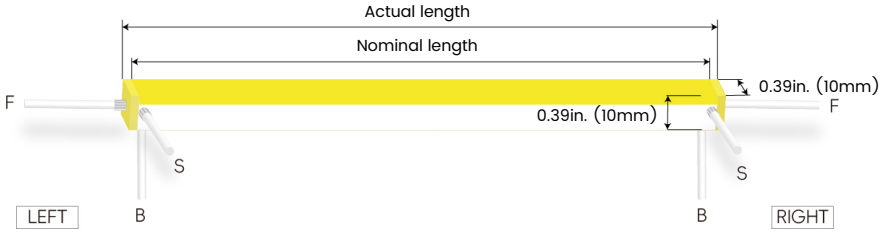
Zone	Lumen	% Fixture
0-30	41.89	14.80%
0-40	72.3	25.6%
0-60	143.5	50.8%
0-90	228.6	81.0%
0-180	282.3	100.0%

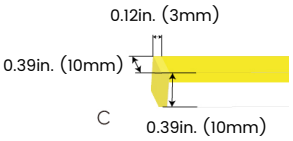
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Vertical Bending · Static White

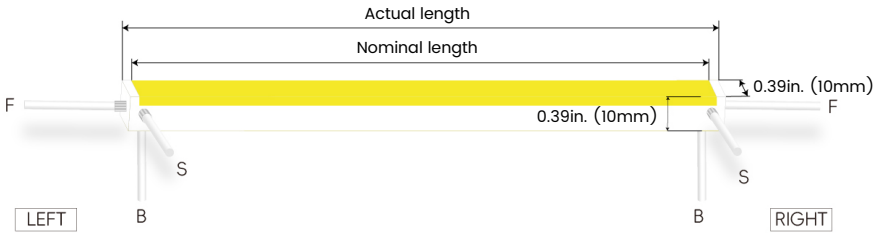
Feed Entry / End Cap Options

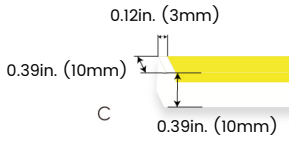
FT: Flush Translucent – IP68, factory-made only



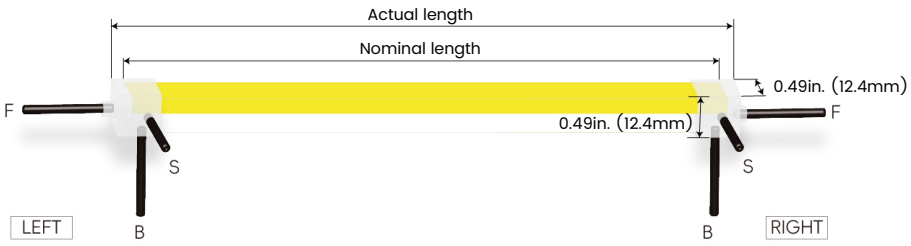


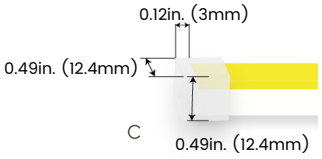
FO: Flush Opaque – IP68, factory-made only





Silicone end cap – IP67, for field cuttable only

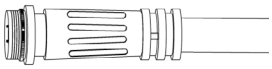




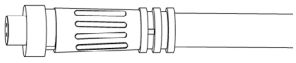
Connector Wire Options



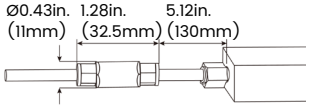
OW: Open wire, **Dry only**
Standard 3.28ft (1m),20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 11.81in. (300mm), 20 AWG

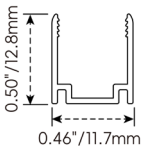


FC: Female connector, **Wet**
Standard 11.81in. (300mm), 20 AWG



OA: Open Wire with **Anti-Wicking Ferrule, Wet**
Standard 3.28ft (1m),20 AWG,
Protects against water ingress through the power cable

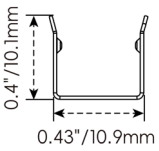
Mounting Options



NF1010-SC

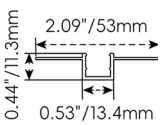
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1010-BC

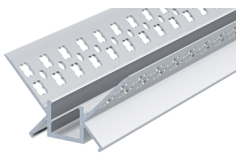
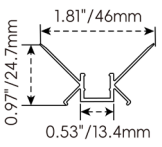
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	3.28ft (1m)
Min. Bending Radius	1.97in. (50mm)
*Not suitable for upside-down installation	



NF1010-MC

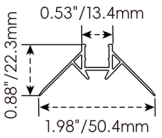
Name	Mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-IC

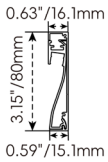
Name	Inside corner channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-OC

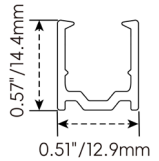
Name	Outside corner channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-SBC

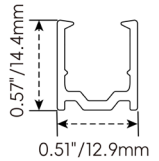
Name	Skirting board channel
Material	Aluminum
Standard Length	3.28ft (1m)





NF1010-PC

Name	PC channel
Material	PC
Standard Length	3.28ft (1m)






NF1010-BPC

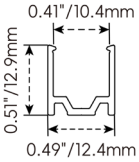
Name	Bendable PC channel
Material	PC
Standard Length	3.28ft (1m)

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Vertical Bending · Static White

Mounting Options



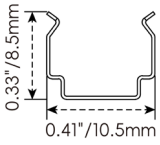




NF1010-CL

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







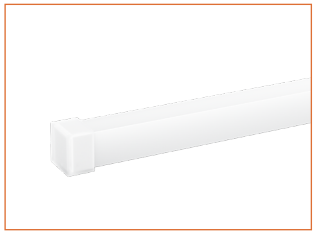
NF1010-CLS

Name	Mounting clip
Material	Stainless Steel
Standard Length	0.28in.(7mm)
*Not suitable for upside-down installation	

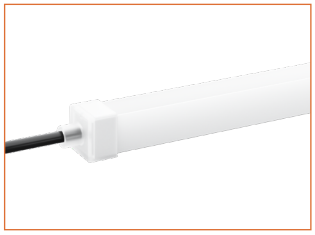
LINIO NEON 1010X 3S TV

Vertical Bending · Static White

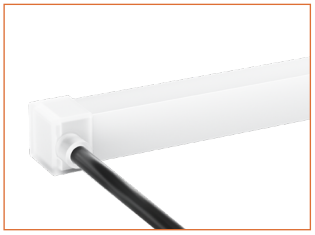
Silicone End Caps (Optional, purchase for extra)



NF1010-SEC-C
Silicone closed end cap



NF1010-SEC-F-2P
Silicone end cap front entry with 11.81in. (300mm) cable, 2 pin



NF1010-SEC-S-2P
Silicone end cap side entry with 11.81in. (300mm) cable, 2 pin



NF1010-SEC-B-2P
Silicone end cap bottom entry with 11.81in. (300mm) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector,
11.81in. (300mm)white cable,
2 pin, IP67, Wet, 20 AWG



FCW-2P-67
Female connector,
11.81in. (300mm) white cable,
2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector,
11.81in. (300mm) black cable,
2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector,
11.81in. (300mm) black cable,
2 pin, IP67, Wet, 20 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

LINIO NEON 1010X 3S TV

Vertical Bending · Static White

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. (155 x 54 x 20mm)
KV-24060-ASW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KV-24096-ASW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)

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. (155 x 54 x 20mm)
KVF-24060-TDW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVF-24096-TDW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)
KVF-24030-TDWJ	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.5 x 3.6 x 1in. (165 x 92 x 26mm)
KVF-24060-TDWJ	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.4 x 3.6 x 1in. (188 x 92 x 26mm)
KVF-24096-TDWJ	96W	100-277VAC	24V	Yes	Yes	Dry/Damp	8.7 x 3.7 x 1.6in. (220 x 93 x 41mm)
KVF-24192-TDWJ	192W (96Wx2)	100-277VAC	24V	Yes	Yes	Dry/Damp	10.9 x 4.3 x 1.8in. (278 x 110 x 45mm)
KVF-24288-TDWJ	288W (96Wx3)	100-277VAC	24V	Yes	Yes	Dry/Damp	11.9 x 4.3 x 1.8in. (301 x 110 x 45mm)
KVF-24384-TDWJ	384W (96Wx4)	100-277VAC	24V	Yes	Yes	Dry/Damp	12.7 x 5.5 x 1.9in. (323 x 140 x 48mm)

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

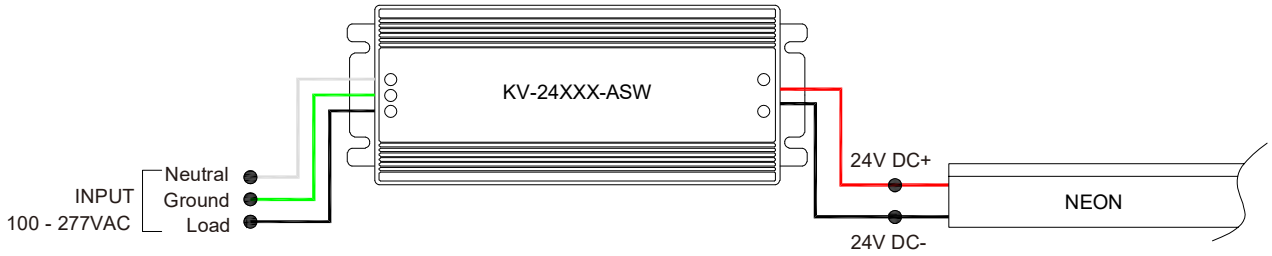
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVD-24060-DIM	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVD-24096-DIM	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)
KVD-24030-DIMJ	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.5 x 3.6 x 1in. (165 x 92 x 26mm)
KVD-24060-DIMJ	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.4 x 3.6 x 1in. (188 x 92 x 26mm)
KVD-24096-DIMJ	96W	100-277VAC	24V	Yes	Yes	Dry/Damp	8.7 x 3.7 x 1.6in. (220 x 93 x 41mm)
KVD-24192-DIMJ	192W (96Wx2)	100-277VAC	24V	Yes	Yes	Dry/Damp	10.9 x 4.3 x 1.8in. (278 x 110 x 45mm)
KVD-24288-DIMJ	288W (96Wx3)	100-277VAC	24V	Yes	Yes	Dry/Damp	11.9 x 4.3 x 1.8in. (301 x 110 x 45mm)
KVD-24384-DIMJ	384W (96Wx4)	100-277VAC	24V	Yes	Yes	Dry/Damp	12.7 x 5.5 x 1.9in. (323 x 140 x 48mm)

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

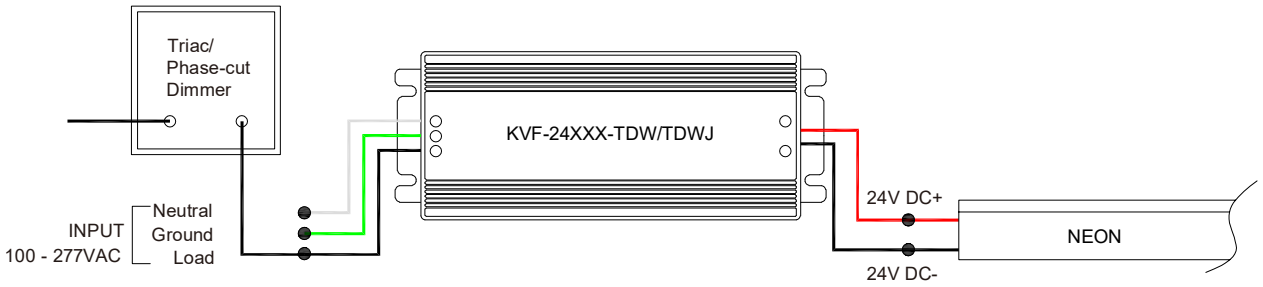
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVG-24060-DW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVG-24096-DW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)
KVG-24030-DWJ	30W	100-277VAC	24V	Yes	Yes	Dry/Damp	6.5 x 3.7 x 1.6in. (165 x 95 x 40mm)
KVG-24060-DWJ	60W	100-277VAC	24V	Yes	Yes	Dry/Damp	7.4 x 3.7 x 1.6in. (188 x 95 x 40mm)
KVG-24096-DWJ	96W	100-277VAC	24V	Yes	Yes	Dry/Damp	8.7 x 3.7 x 1.6in. (220 x 95 x 40mm)
KVG-C24192-DWJ	192W (96Wx2)	100-277VAC	24V	Yes	Yes	Dry/Damp	10.9 x 4.3 x 1.8in. (278 x 110 x 45mm)
KVG-C24288-DWJ	288W (96Wx3)	100-277VAC	24V	Yes	Yes	Dry/Damp	11.9 x 4.3 x 1.8in. (301 x 110 x 45mm)
KVG-C24384-DWJ	384W (96Wx4)	100-277VAC	24V	Yes	Yes	Dry/Damp	12.8 x 5.5 x 1.9in. (325 x 140 x 48mm)

Wiring Diagram

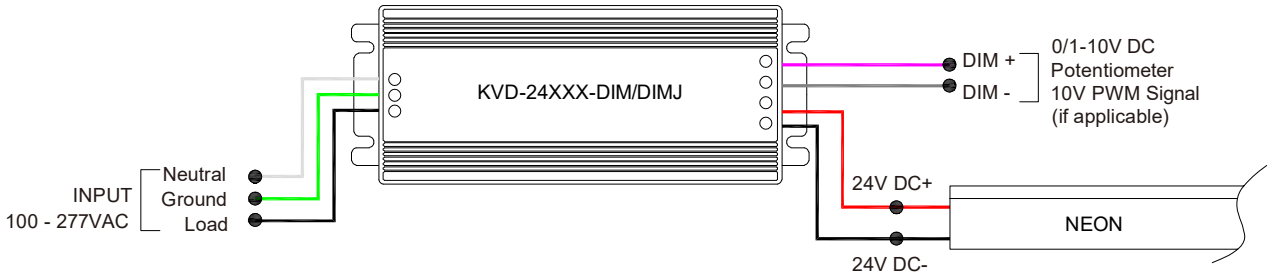
Non-dimmable



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 3S TV

Vertical Bending · Static White

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)