

Beamever

LINIO NEON EOS TV HE

Designer's Custom Playground

Vertical Bending · Static White

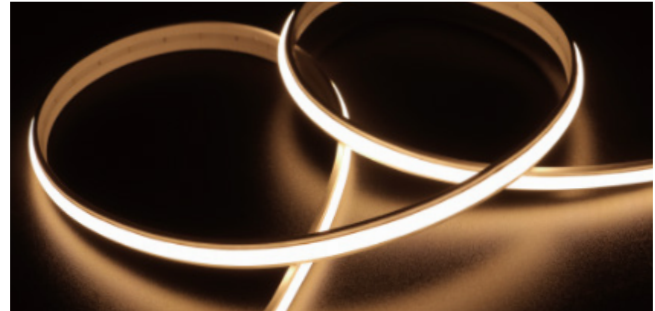
Features

- Neon & tape in one hybrid design, high efficiency offers up to 1445 lumens per meter
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

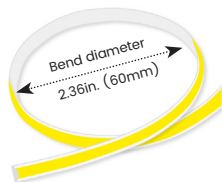
Applications

Under cabinets, coves, shelves, closets, millwork, furnitures, etc.

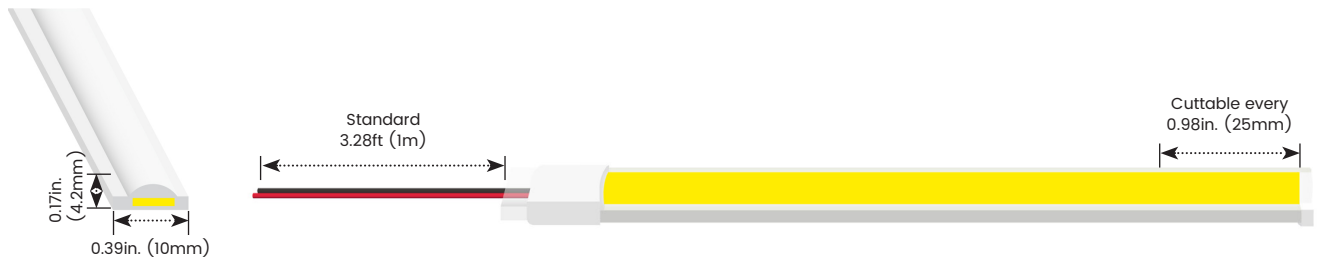
Date	Fixture type
Project name	Project phase



Bending Directions & Diameters



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry				
LNEOSTVHE	W5-Wet (IP65)	24V-DC24V	22K-2200K	2.9-2.93W/ft	FT	Flush Translucent	F	Front	OW	Open wire 3.28ft (1m)
			27K-2700K	4.4-4.39W/ft	FO	Flush Opaque	C	Closed	MC	Male connector with 11.8in. (300mm) cable
			30K-3000K						FC	Female connector with 11.8in. (300mm)cable
			35K-3500K						NA	Only for Closed Feed Entry
			40K-4000K							
			57K-5700K							

Assembly Builder

Right Feed Entry			Length
F	Front	OW Open wire 3.28ft (1m)	Max. nominal 49.2ft (15m)
C	Closed	MC Male connector with 11.8in. (300mm) cable	*For 2.93W/ft
		FC Female connector with 11.8in. (300mm)cable	Increment 0.98in. (25mm)
		NA Only for Closed Feed Entry	

Mounting Order Code

Product Code
Please select on the Mounting Options page

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

Lumen Output (lm/ft)

CCT	2.93W/ft	4.39W/ft
■ 2200K	256	384
■ 2700K	280	421
■ 3000K	296	444
■ 3500K	293	439
■ 4000K	299	448
■ 5700K	296	444
Max. Run for Class 2*	27.3ft (8.3m)	18.2ft (5.6m)
Max. Run Supported Length	49.2ft (15m)	32.8ft (10m)

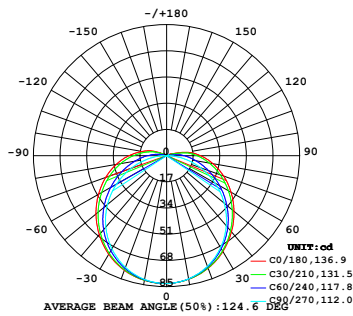
*Typically installations in USA and Canada comply with Class 2 requirements

Technical Details

Efficacy	101lm/W @3000K 2.93W
CRI	Ra≥90
Beam Angle	120°
LED MacAdam	2 steps
Average Life (L80B10)	>54,000 hours
Storage Temperature	-40°F~-113°F (-40°C~ 45°C)
Operating Temperature	-40°F~-113°F (-40°C~ 45°C)

Photometry

LNEOSTVHE-W5-24V-30K-2.9-FT-F-OW-F-OW
 LINIO NEON EOS TV, Vertical Bend, 3000K, 2.93W/ft

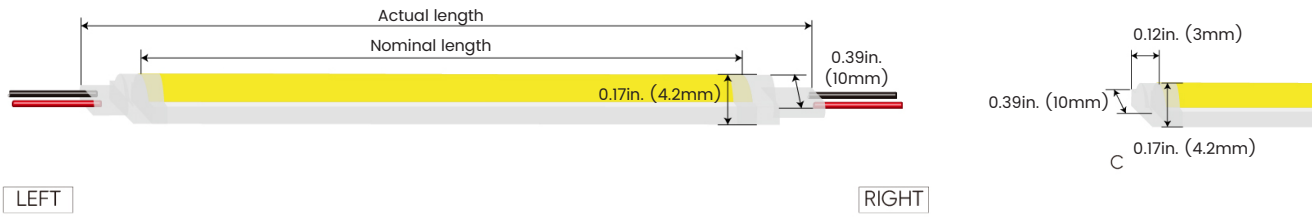


Zonal Lumen Summary

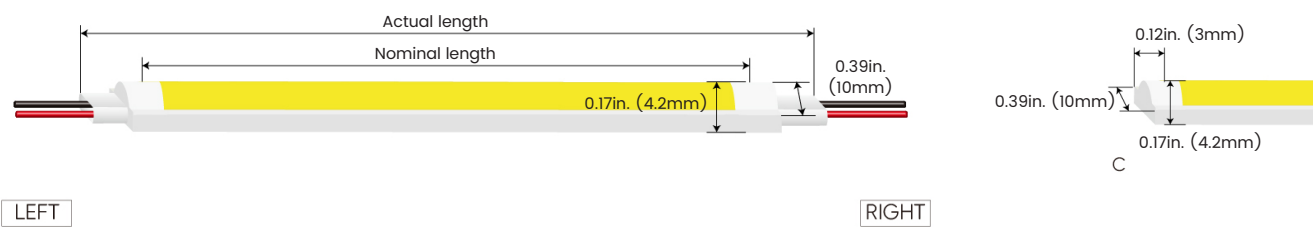
Zone	Lumen	% Fixture
0-30	64.8	21.7%
0-40	106.8	35.8%
0-60	194.3	65.2%
0-90	279.2	93.6%
0-180	298.2	100.0%

Feed Entry / End Cap Options

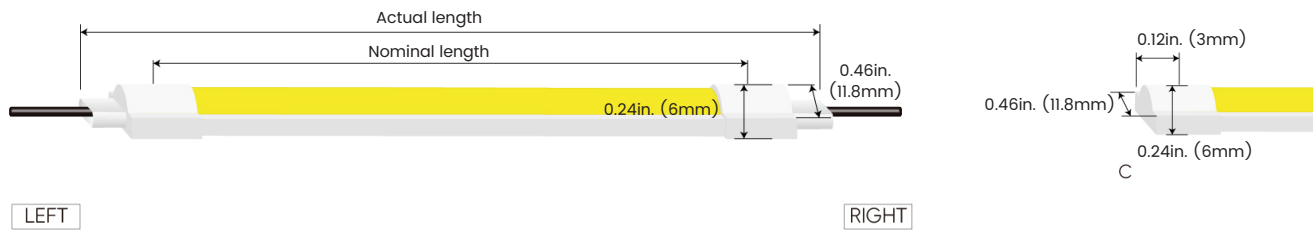
FT: Flush Translucent – IP65, factory-made only



FO: Flush Opaque – IP65, factory-made only



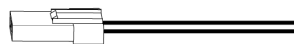
Silicone end cap – IP65, for field cuttable only



Connector Wire Options



OW: Open wire, Dry only
 Standard 11.81in. (300mm), 20 AWG,
 wire length customizable


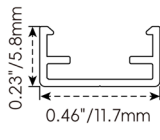


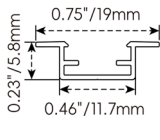
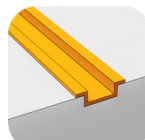

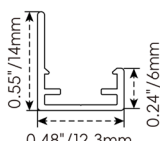
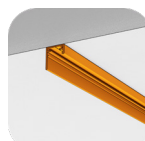
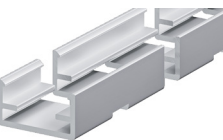
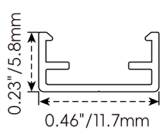


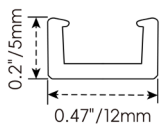


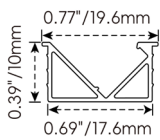
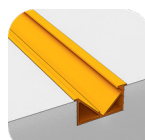

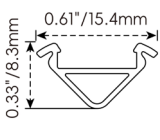


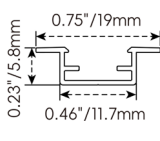



MC: Male connector,
 Standard 11.81in. (300mm), 22 AWG



FC: Female connector,
 Standard 11.81in. (300mm), 22 AWG

Mounting Options

			<p>NFEOS-SC-10</p> <table border="1"> <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)
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Material	Aluminum								
Standard Length	3.28ft(1m)								
			<p>NFEOS-RC-10</p> <table border="1"> <tr><td>Name</td><td>Straight recessed 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 recessed channel	Material	Aluminum	Standard Length	3.28ft(1m)
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Standard Length	3.28ft(1m)								
			<p>NFEOS-LBC-10</p> <table border="1"> <tr><td>Name</td><td>Light-block channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft(1m)</td></tr> </table>	Name	Light-block channel	Material	Aluminum	Standard Length	3.28ft(1m)
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			<p>NFEOS-BC-10</p> <table border="1"> <tr><td>Name</td><td>Bendable 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	Bendable surface channel	Material	Aluminum	Standard Length	3.28ft(1m)
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Material	Aluminum								
Standard Length	3.28ft(1m)								
			<p>NFEOS-CL-10</p> <table border="1"> <tr><td>Name</td><td>Mounting clip</td></tr> <tr><td>Material</td><td>Silicone</td></tr> <tr><td>Standard Length</td><td>0.55in.(14mm)</td></tr> </table>	Name	Mounting clip	Material	Silicone	Standard Length	0.55in.(14mm)
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Material	Silicone								
Standard Length	0.55in.(14mm)								
			<p>NFEOS-RKC-10</p> <table border="1"> <tr><td>Name</td><td>45° Recessed kicker channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft(1m)</td></tr> </table>	Name	45° Recessed kicker channel	Material	Aluminum	Standard Length	3.28ft(1m)
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Material	Aluminum								
Standard Length	3.28ft(1m)								
			<p>NFEOS-TSC-10</p> <table border="1"> <tr><td>Name</td><td>45°Triangular 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	45°Triangular surface channel	Material	Aluminum	Standard Length	3.28ft(1m)
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Material	Aluminum								
Standard Length	3.28ft(1m)								
			<p>NFEOS-DRC-10</p> <table border="1"> <tr><td>Name</td><td>Deep recessed channel</td></tr> <tr><td>Material</td><td>Aluminum</td></tr> <tr><td>Standard Length</td><td>3.28ft(1m)</td></tr> </table>	Name	Deep recessed channel	Material	Aluminum	Standard Length	3.28ft(1m)
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Material	Aluminum								
Standard Length	3.28ft(1m)								

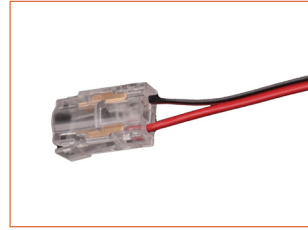
Silicone End Caps (Optional, purchase for extra)



NFEOS-SEC-C-10
Silicone closed end cap for 0.39in.
(10mm) wide LINIO NEON EOS TV series

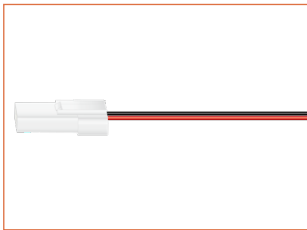


NFEOS-SEC-F-2P-10
Silicone end cap front entry with 7.87in.
(200mm) cable, 2 pin

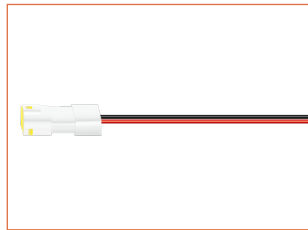


NFEOS-STC-2P-10
Strip to cable connector with 7.87in.
(200mm) cable, IP20, 2 pin

Additional Accessories (Optional, purchase for extra)



MJST-2P-67
Male connector with 11.81in. (300mm)
white cable, 2 pin, 22 AWG



FJST-2P-67
Female connector with 11.81in.
(300mm) white cable, 2 pin, 22 AWG



NFEOS-MT-10
Installation Roller Tool with Wooden
Handle



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

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)

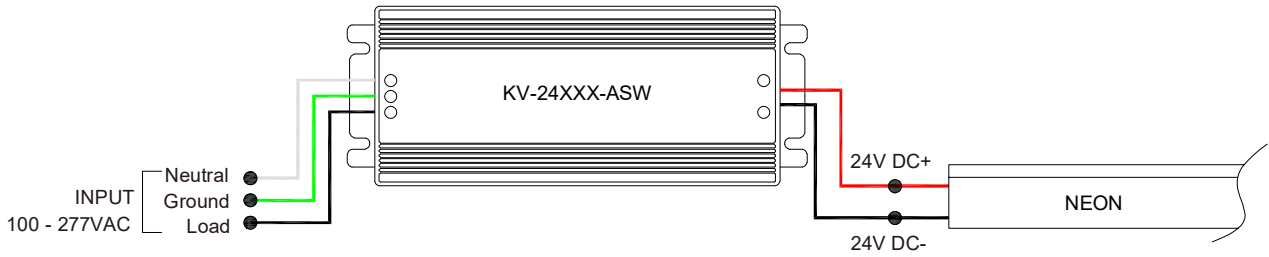
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVD-24060-DIM	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVD-24096-DIM	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	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)

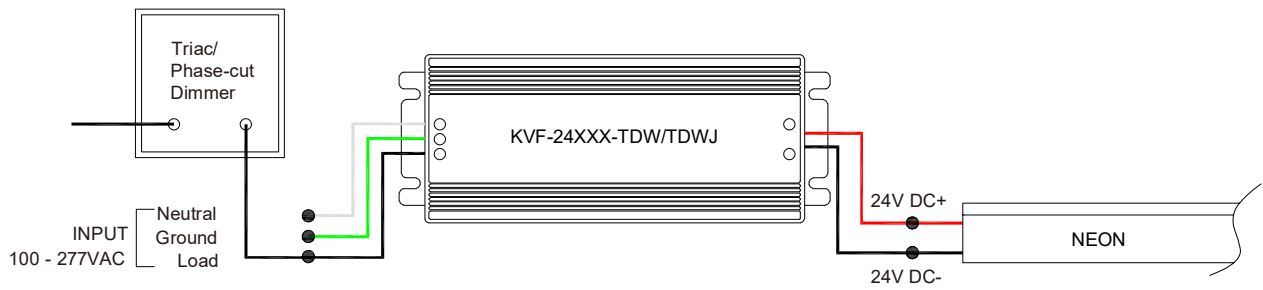
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVG-24060-DW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVG-24096-DW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	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 EOS TV HE

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)