

Beamever

LINIO NEON EOS TV

Designer's Custom Playground

Vertical Bending · Static White

Features

- Neon & tape in one hybrid design, incredibly smooth diffusion without lenses
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

Applications

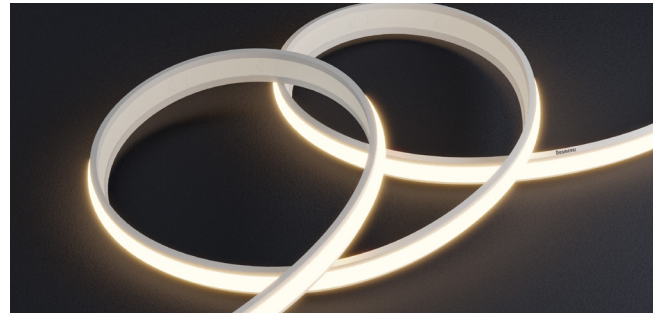
Under cabinets, coves, shelves, closets, millwork, furnitures, etc.

Date

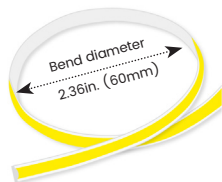
Fixture type

Project name

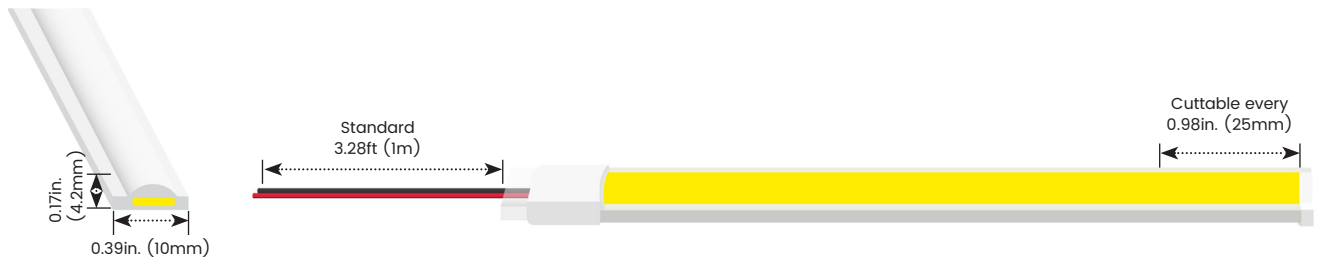
Project phase



Bending Directions & Diameters



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry		
LNEOSTV	W5-Wet (IP65)	24V-DC24V	22K-2200K	1.5-1.46W/ft	FT Flush Translucent	F	Front	OW Open wire 3.28ft (1m)
			27K-2700K	2.9-2.93W/ft	FO Flush Opaque	C	Closed	MC Male connector with 11.8in. (300mm) cable
			30K-3000K	4.4-4.39W/ft			FC Female connector with 11.8in. (300mm) cable	
			35K-3500K				NA Only for Closed Feed Entry	
			40K-4000K					

Assembly Builder

Right Feed Entry			Length	
F	Front	OW Open wire 3.28ft (1m)	Max. nominal	16.4ft (5m)
C	Closed	MC Male connector with 11.8in. (300mm) cable	Increment	0.98in. (25mm)
		FC Female connector with 11.8in. (300mm) cable		
		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.

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Lumen Output (lm/ft)

CCT	1.46W/ft	2.93W/ft	4.39W/ft
2200K	84	168	252
2700K	87	175	262
3000K	90	178	267
3500K	93	186	279
4000K	96	192	288
Max. Run for Class 2*	16.4ft (5m)	16.4ft (5m)	16.4ft (5m)
Max. Run Supported Length	16.4ft (5m)	16.4ft (5m)	16.4ft (5m)

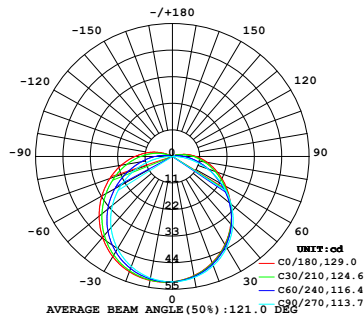
*Typically installations in USA and Canada comply with Class 2 requirements

Technical Details

Efficacy	61lm/W @3000K 2.93W
CRI	Ra≥90
Beam Angle	120°
LED MacAdam	3 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

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

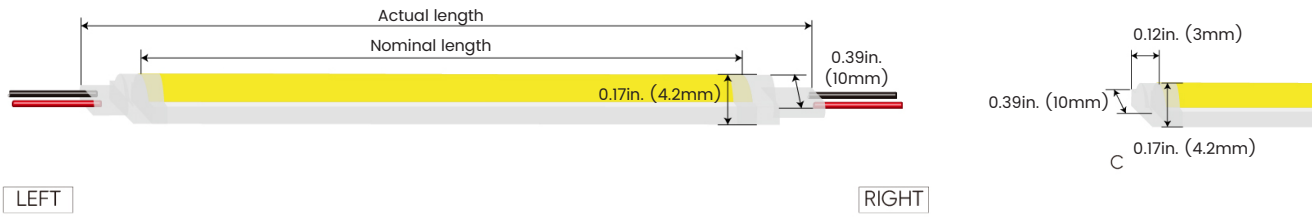


Zonal Lumen Summary

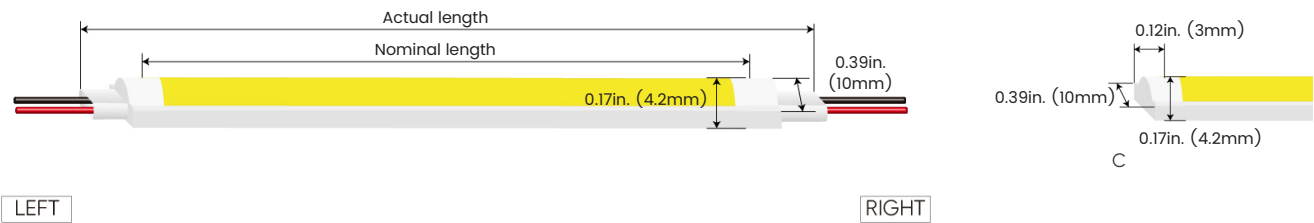
Zone	Lumen	% Fixture
0-30	40.6	22.4%
0-40	66.8	36.9%
0-60	120.9	66.8%
0-90	171.0	94.5%
0-180	180.9	100.0%

Feed Entry / End Cap Options

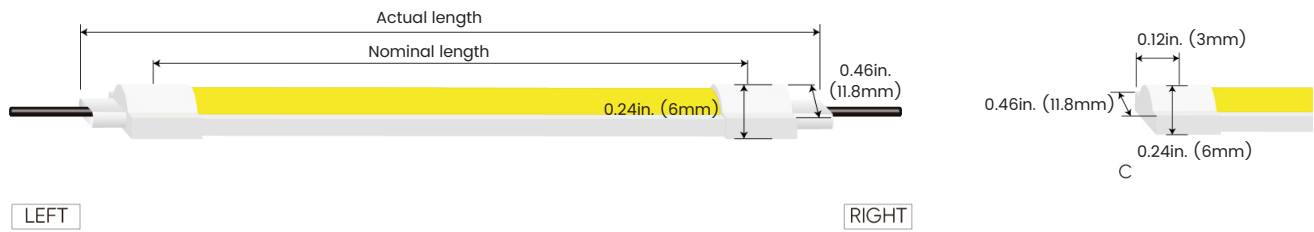
FT: Flush Translucent – IP65, factory-made only



FO: Flush Opaque – IP65, factory-made only



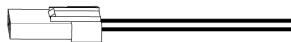
Silicone end cap – IP65, for field cuttable only



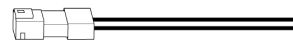
Connector Wire Options



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


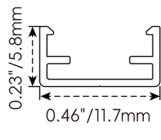


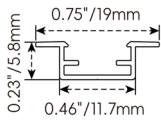
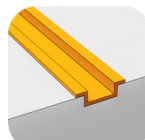

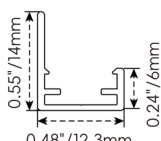
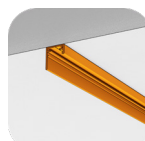
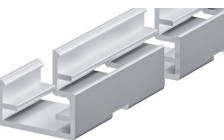
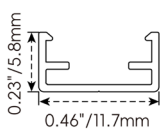


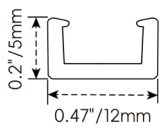


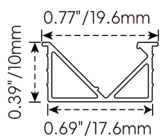
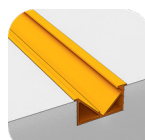

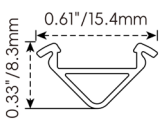


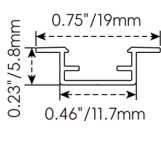



MC: Male connector,
Standard 11.81in. (300mm), 22 AWG



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

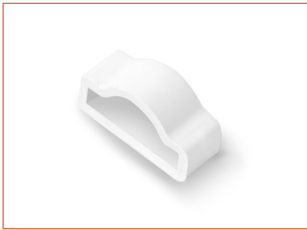
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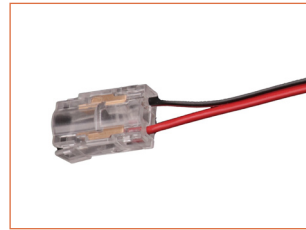
Silicone End Caps (Optional, purchase for extra)



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

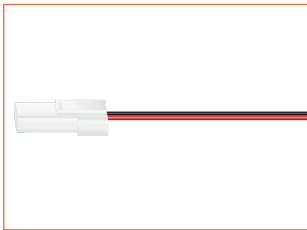


NFEOS-SEC-F-2P-10
Silicone end cap front entry with 7.87in.
(200mm) cable, 2 pin

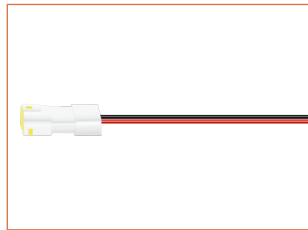


NFEOS-STC-2P-10
Strip to cable connector with 7.87in.
(200mm) cable, IP20, 2 pin

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)

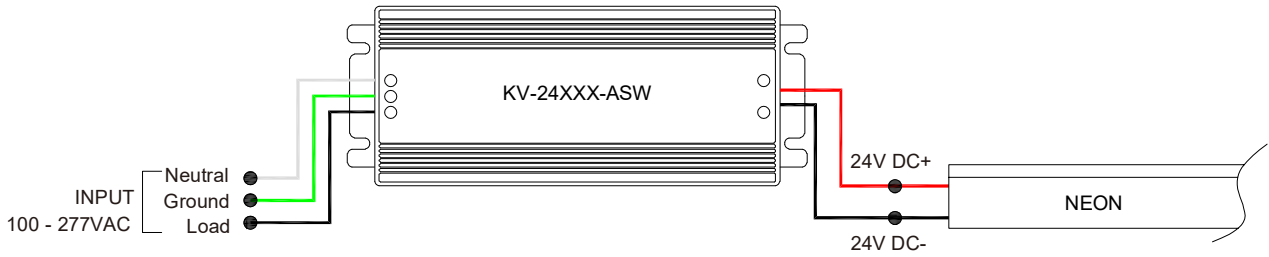
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVD-24060-DIM	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVD-24096-DIM	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet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

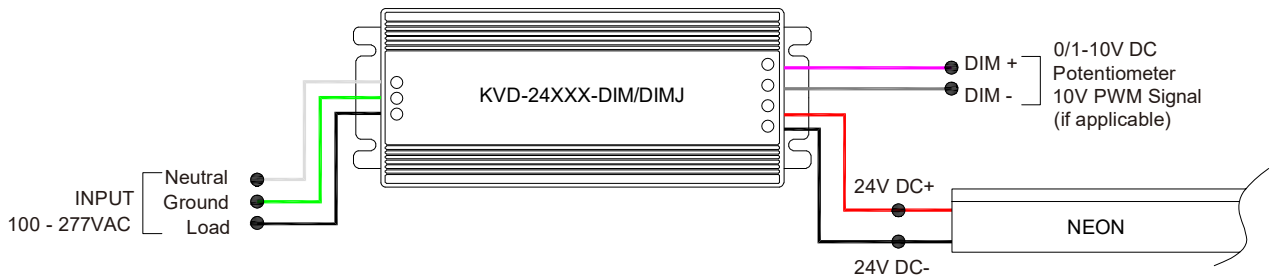
Non-dimmable



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)



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)