Beamever

ORLUX MEDIUM

Designer's Custom Playground

Outdoor · Vertical Bending · Horizontal Bending

Features

- Field-cut anywhere for precise fit and seamless illumination
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

Applications

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

Date

Fixture type

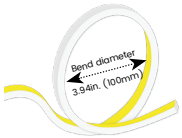
Project name

Project phase

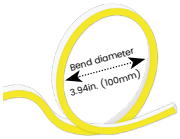




Bending Directions & Diameters

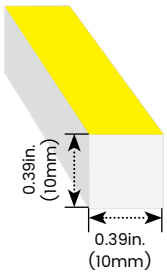


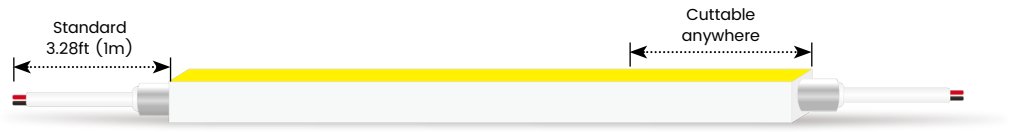
TV - Top View
(Vertical Bending)



SV - Side View
(Horizontal Bending)

Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap
OTVM **OSVM**	**W8**-Wet (IP68)	**24V**-DC24V	**22K**-2200K **27K**-2700K **30K**-3000K **35K**-3500K **40K**-4000K **53K**-5300K	**3.1**-3.05W/ft	**FT** Flush Translucent **FO** Flush Opaque

Assembly Builder

Left Feed Entry		
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		
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

Length	
Max. nominal	16.4ft (5m)

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.

ORLUX MEDIUM

Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/ft)

CCT	Vertical Bending	Horizontal Bending
	3.05W/ft	3.05W/ft
2200K	229	198
2700K	256	226
3000K	265	235
3500K	274	244
4000K	274	244
5300K	274	238
Max. Run for Class 2*	16.4ft (5m)	16.4ft (5m)
Max. Run Supported Length	16.4ft (5m)	16.4ft (5m)

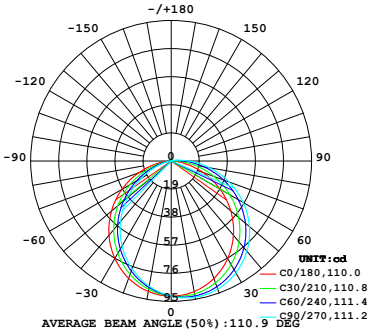
*Typically installations in USA and Canada comply with Class 2 requirements

Techinical Details

Parameter	Vertical Bending	Horizontal Bending
Efficacy	87lm/W @3000K 3.05W	77lm/W @3000K 3.05W
CRI	Ra≥90	Ra≥90
Beam Angle	110°	110°
LED MacAdam	3 steps	3 steps
Average Life (L70B10)	>44,000 hours	>44,000 hours
Storage Temperature	-40°F~149°F (-40°C~ 65°C)	-40°F~149°F (-40°C~ 65°C)
Operating Temperature	-40°F~149°F (-40°C~ 65°C)	-40°F~149°F (-40°C~ 65°C)

Photometry

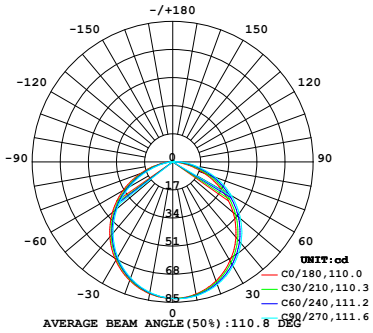
OTVM-W8-24V-30K-3.1-FT-F-OW-F-OW
ORLUX TV MEDIUM, Vertical bend, 3000K, 3.05W/ft



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	70.7	26.6%
0-40	115.5	43.4%
0-60	203.1	76.3%
0-90	261.3	98.2%
0-180	266.1	100.0%

OSVM-W8-24V-30K-3.1-FT-F-OW-F-OW
ORLUX SV MEDIUM, Horizontal bend, 3000K, 3.05W/ft

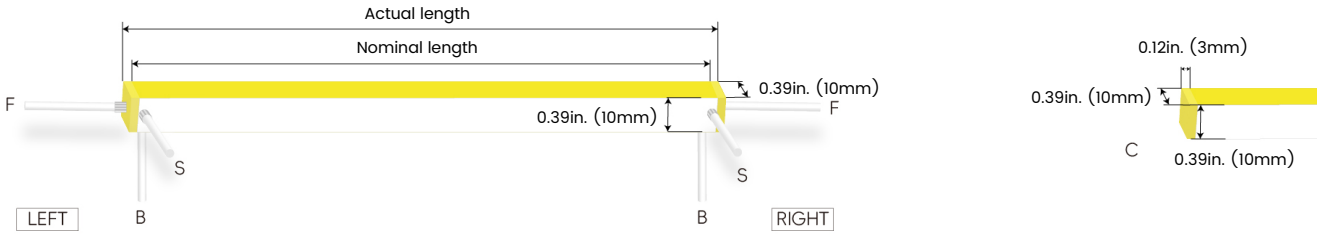


Zonal Lumen Summary

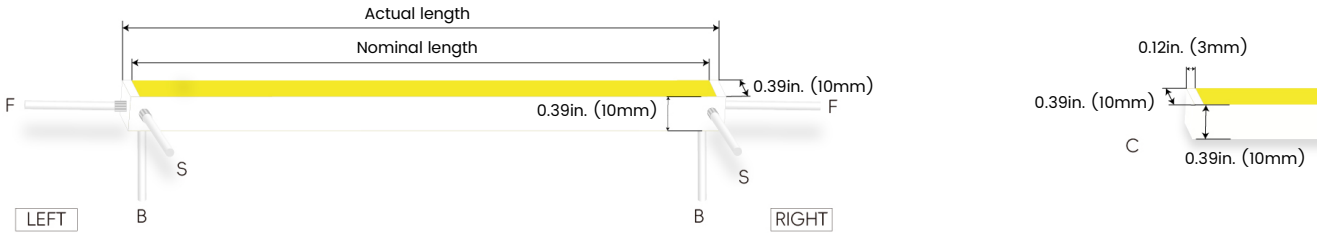
Zone	Lumen	% Fixture
0-30	64.0	27.1%
0-40	104.6	44.3%
0-60	183.8	78.0%
0-90	232.6	98.6%
0-180	235.8	100.0%

Feed Entry / End Cap Options

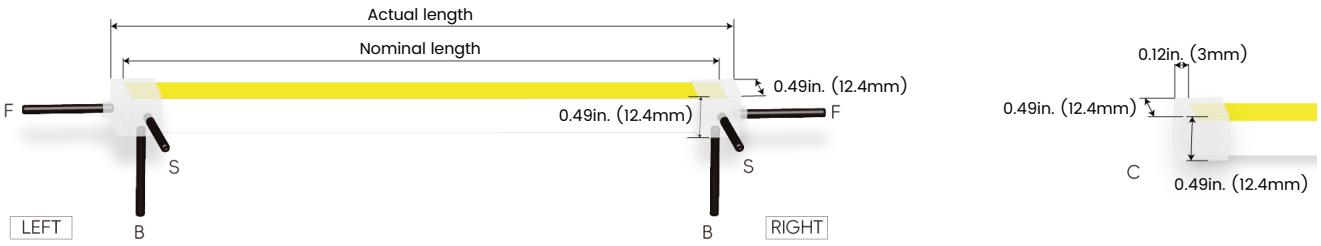
FT: Flush Translucent – IP68, factory-made only



FO: Flush Opaque – IP68, factory-made only



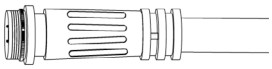
Silicone end cap – IP67, for field cuttable only



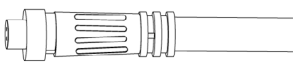
Connector Wire Options



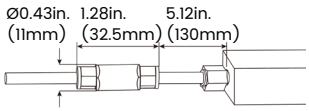
OW: Open wire, **Dry only**
Standard 3.28ft (1m),20 AWG,
wire length customizable



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

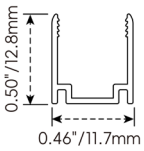


FC: Female connector, **Wet**
Standard 11.81in. (300mm), 20 AWG



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

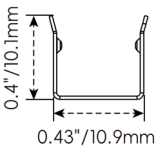
Mounting Options



NF1010-SC

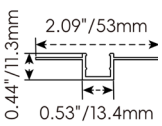
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1010-BC

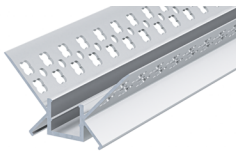
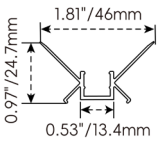
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	3.28ft (1m)
Min. Bending Radius	1.97in. (50mm)
*Not suitable for upside-down installation	



NF1010-MC

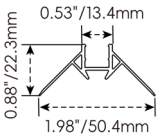
Name	Mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-IC

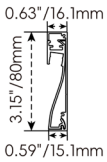
Name	Inside corner channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-OC

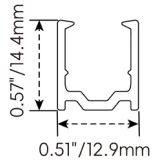
Name	Outside corner channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1010-SBC

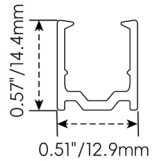
Name	Skirting board channel
Material	Aluminum
Standard Length	3.28ft (1m)





NF1010-PC

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



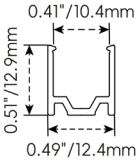



NF1010-BPC

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

Mounting Options



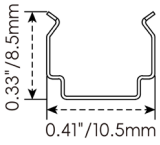




NF1010-CL

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



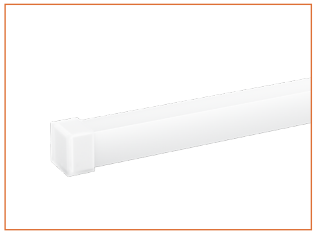




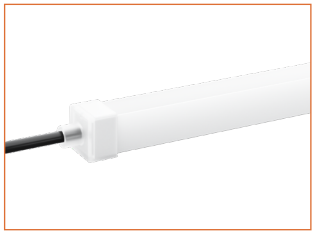
NF1010-CLS

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

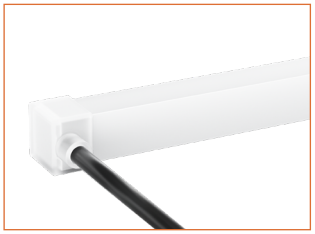
Silicone End Caps (Optional, purchase for extra)



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

ORLUX MEDIUM

Outdoor · Vertical Bending · Horizontal 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. (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)

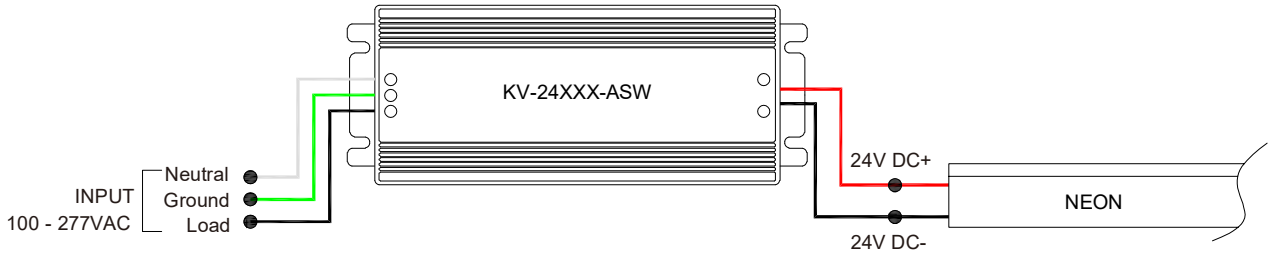
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVD-24030-DIM	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVD-24060-DIM	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVD-24096-DIM	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet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

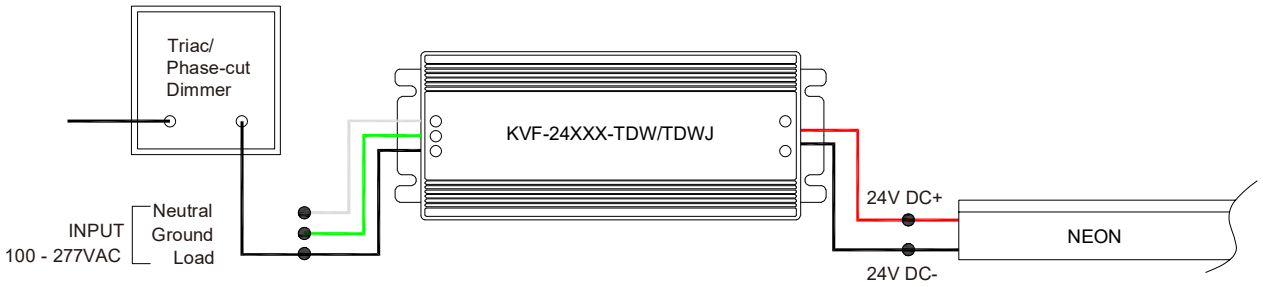
Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVG-24030-DW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (155 x 54 x 20mm)
KVG-24060-DW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KVG-24096-DW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet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

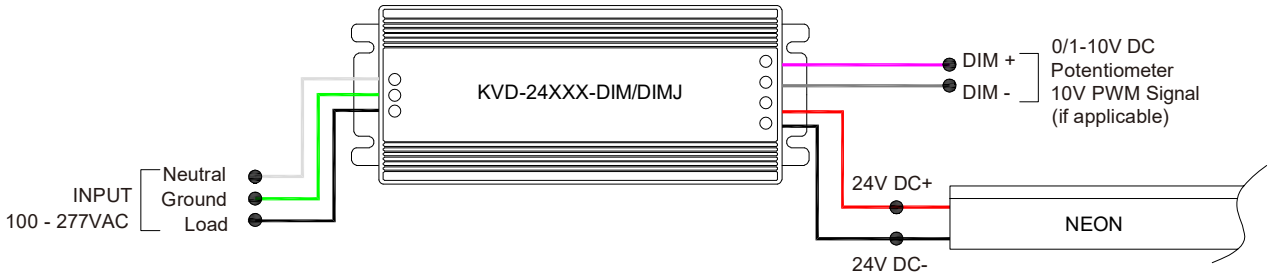
Non-dimmable



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)