Beamever

Designer's Custom Playground

# LINIO NEON 0606X Static White

Outdoor · Vertical Bending · Horizontal Bending

## Features

- 0.24in. square profile with high-efficiency light output
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

Date | Fixture type

Project name | Project phase

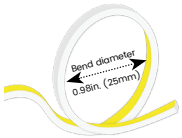
## Applications

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

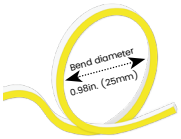




## Bending Directions & Diameters

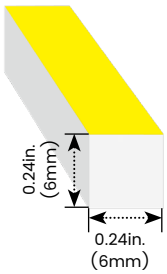


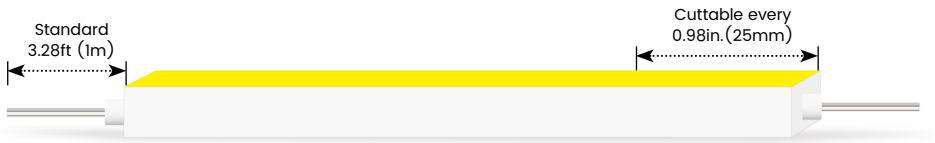

TV - Top View
(Vertical Bending)




SV - Side View
(Horizontal Bending)

## Dimensions




## Order Code

| Model | Environment | Voltage | CCT | Power | End Cap |
|---|---|---|---|---|---|
| **LN0606XTV**<br>**LN0606XSV** | **W5**-Wet (IP65) | **24V**-DC24V | **22K**-2200K<br>**27K**-2700K<br>**30K**-3000K<br>**35K**-3500K<br>**40K**-4000K<br>**57K**-5700K | **1.8**-1.83W/ft | **FT** Flush Translucent<br>**FO** Flush Opaque<br>**SEC** Silicone |

## Assembly Builder

| Left Feed Entry | |
|---|---|
| **F** Front | **OW** Open wire 3.28ft (1m) |
| **B** Bottom (SEC only) | **MC** Male connector with 7.87in. (200mm) cable |
| **S** Side (SEC only) | **FC** Female connector with 7.87in. (200mm)cable |
| **C** Closed | **NA** Only for Closed Feed Entry |

## Assembly Builder

| Right Feed Entry | |
|---|---|
| **F** Front | **OW** Open wire 3.28ft (1m) |
| **B** Bottom (SEC only) | **MC** Male connector with 7.87in. (200mm) cable |
| **S** Side (SEC only) | **FC** Female connector with 7.87in. (200mm)cable |
| **C** Closed | **NA** Only for Closed Feed Entry |

| Length | |
|---|---|
| **Max. nominal** | 16.4ft(5m) |
| **Increment** | 0.98in.(25mm) |

## 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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Outdoor · Vertical Bending · Horizontal Bending

## Lumen Output (lm/ft)

| CCT | Vertical Bending | Horizontal Bending |
|---|---|---|
| | 1.83W/ft | 1.83W/ft |
| 2200K | 117 | 78 |
| 2700K | 127 | 84 |
| 3000K | 133 | 89 |
| 3500K | 141 | 94 |
| 4000K | 145 | 94 |
| 5700K | 137 | 92 |
| Max. Run for Class 2* | 16.4ft (5m) | 16.4ft (5m) |
| Max. Run Supported Length | 16.4ft (5m) | 16.4ft (5m) |

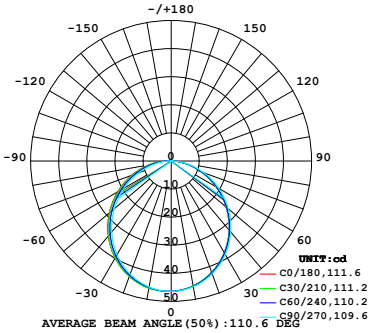
*Typically installations in USA and Canada comply with Class 2 requirements

## Techinical Details

| Parameter | Vertical Bending | Horizontal Bending |
|---|---|---|
| Efficacy | 73lm/W @3000K 1.83W | 49lm/W @3000K 1.83W |
| CRI | Ra≥90 | Ra≥90 |
| Beam Angle | 120° | 120° |
| LED MacAdam | 3 steps | 3 steps |
| IK Rating | IK08(with aluminium profile) | IK10(with aluminium profile) |
| Average Life (L80B10) | >47,000 hours | >47,000 hours |
| Storage Temperature | -40°F~131°F (-40°C~ 55°C) | -40°F~131°F (-40°C~ 55°C) |
| Operating Temperature | -40°F~131°F (-40°C~ 55°C) | -40°F~131°F (-40°C~ 55°C) |

## Photometry

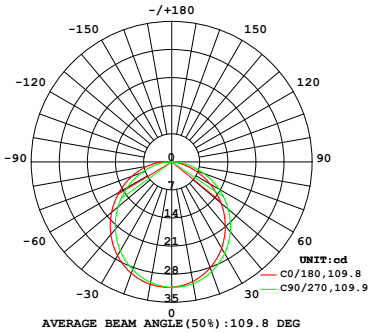
LN0606XTV-W5-24V-30K-1.8-FT-F-OW-F-OW
LINIO NEON 0606X TV, Vertical bend, 3000K, 1.83W/ft




Zonal Lumen Summary

| Zone | Lumen | % Fixture |
|---|---|---|
| 0-30 | 35.78 | 26.90% |
| 0-40 | 58.4 | 43.8% |
| 0-60 | 102.5 | 77.0% |
| 0-90 | 132.2 | 99.3% |
| 0-180 | 133.2 | 100.0% |

LN0606XSV-W5-24V-30K-1.8-FT-F-OW-F-OW
LINIO NEON 0606X SV, Horizontal bend, 3000K, 1.83W/ft




Zonal Lumen Summary

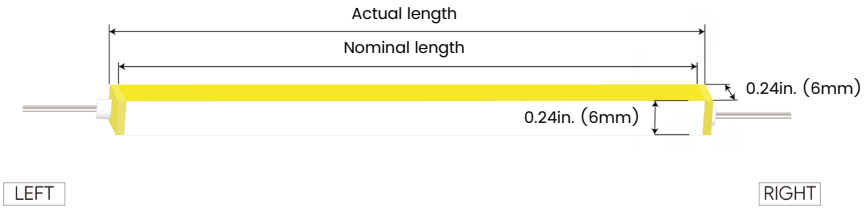
| Zone | Lumen | % Fixture |
|---|---|---|
| 0-30 | 24.06 | 27.10% |
| 0-40 | 39.2 | 44.1% |
| 0-60 | 68.6 | 77.3% |
| 0-90 | 88.0 | 99.0% |
| 0-180 | 88.8 | 100.0% |

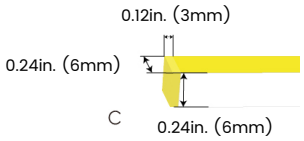
# LINIO NEON 0606X Static White

Outdoor · Vertical Bending · Horizontal Bending

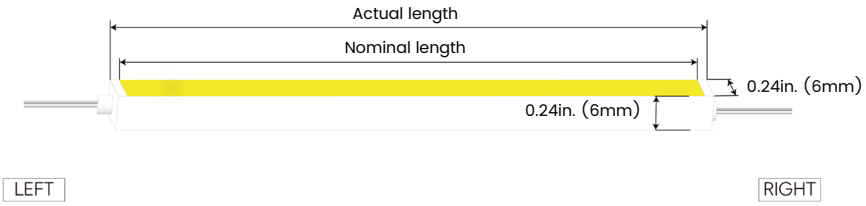
## Feed Entry / End Cap Options

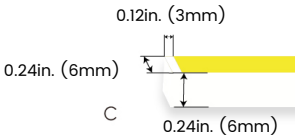
**FT: Flush Translucent – IP54, factory-made only**



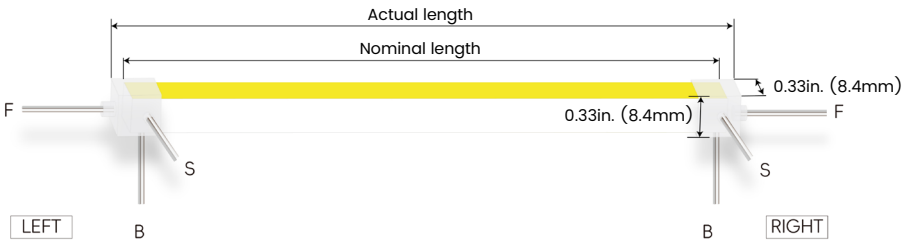



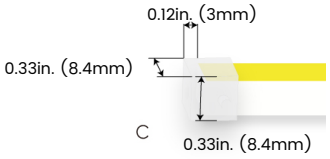

**FO: Flush Opaque – IP54, factory-made only**




**Silicone end cap – IP65, for field cuttable only**

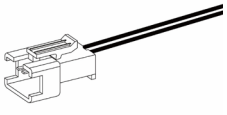


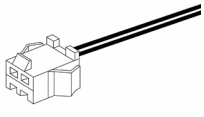

## Connector Wire Options



**OW:** Open wire, **Dry only**
Standard 3.28ft (1m), 24 AWG,
wire length customizable



**MC:** Male connector, **Dry**
Standard 7.87in. (200mm), 24 AWG



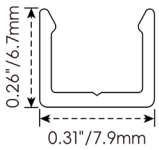
**FC:** Female connector, **Dry**
Standard 7.87in. (200mm), 24 AWG

# LINIO NEON 0606X Static White

Outdoor · Vertical Bending · Horizontal Bending

## Mounting Options



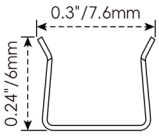





**NF0606-SC**

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





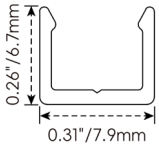





**NF0606-BC**

| | |
|---|---|
| Name | Bendable surface channel |
| Material | Stainless Steel |
| Standard Length | 3.28ft (1m) |
| Min. Bending Radius | 0.98in.(25mm) |
| *Not suitable for upside-down installation | |





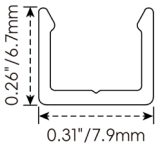





**NF0606-BCA**

| | |
|---|---|
| Name | Bendable surface channel |
| Material | Aluminum |
| Standard Length | 3.28ft (1m) |
| Min. Bending Radius | 5.91in.(150mm) |







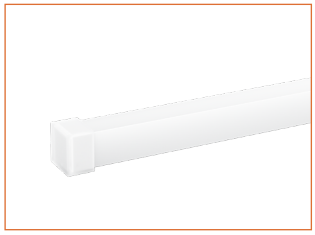

**NF0606-CL**

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

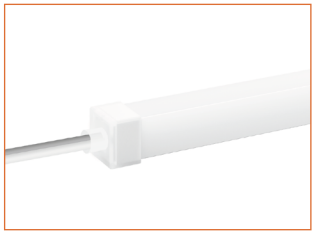
# LINIO NEON 0606X Static White

Outdoor · Vertical Bending · Horizontal Bending

## Silicone End Caps (Optional, purchase for extra )



**NF0606-SEC-C**
Silicone closed end cap



**NF0606-SEC-F-2P**
Silicone end cap front entry with 11.81in. (300mm) cable, 2 pin

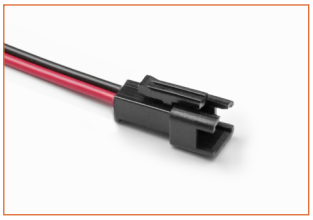


**NF0606-SEC-S-2P**
Silicone end cap side entry with 11.81in. (300mm) cable, 2 pin

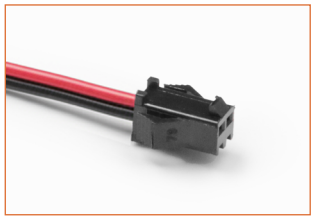


**NF0606-SEC-B-2P**
Silicone end cap bottom entry with 11.81in. (300mm) cable, 2 pin

## Additional Accessories (Optional, purchase for extra)



**MC-2P-20**
Male connector,
7.87in. (200mm) red&black cable,
2 pin, IP20, 24 AWG



**FC-2P-20**
Female connector,
7.87in. (200mm) red&black cable,
2 pin, IP20, 24 AWG



**ADJS**
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

# LINIO NEON 0606X Static White

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)

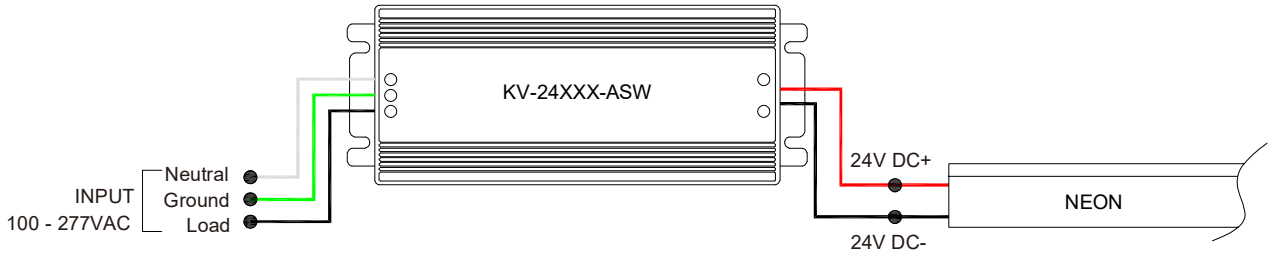
| Code | Max Load | Input | Output | Class 2 | With Junction Box | Environment | Size (L x W x H) |
|---|---|---|---|---|---|---|---|
| KVG-24030-DW | 30W | 100-277VAC | 24V | Yes | No | Dry/Damp | 6.1 x 2.1 x 0.8in. (155 x 54 x 20mm) |
| KVG-24060-DW | 60W | 100-277VAC | 24V | Yes | No | Dry/Damp |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

# LINIO NEON 0606X Static White

Outdoor · Vertical Bending · Horizontal Bending

## Wiring Diagram

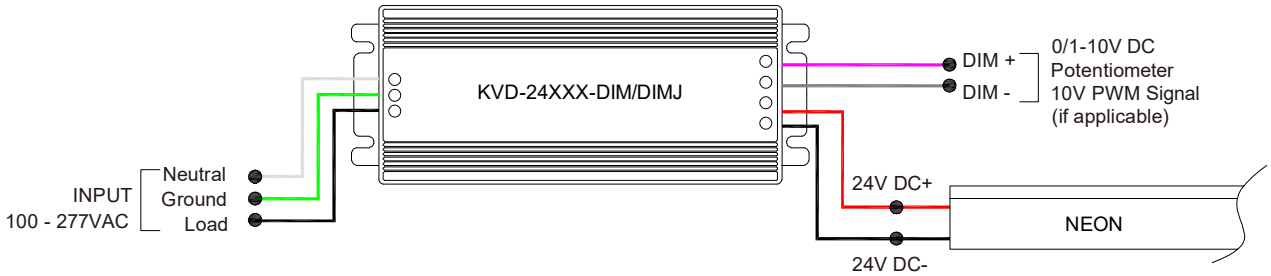
**Non-dimmable**




**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 0606X Static White

Outdoor · Vertical Bending · Horizontal Bending

## 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) |