

## AERO TAPE HD

Indoor · Static White

## Features

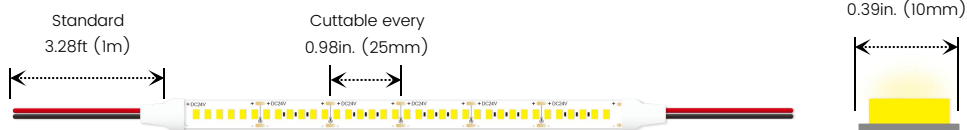
- High density LED provides less visible diodes
- IP20 rated, ideal for indoor uses
- 5 years warranty

## Applications

Under cabinets, coves, shelves, bedrooms, offices, hallways, etc.



## Dimensions



## Order Code (For LED tape)

| Series | Environment   | Voltage  | Temp./Color | Power        |
|--------|---------------|----------|-------------|--------------|
| AEROHD | D2-Dry (IP20) | 24-DC24V | 18-1800K    | 146-1.46W/ft |
|        |               |          | 22-2200K    | 293-2.93W/ft |
|        |               |          | 24-2400K    | 439-4.39W/ft |
|        |               |          | 27-2700K    | 585-5.85W/ft |
|        |               |          | 30-3000K    | 732-7.32W/ft |
|        |               |          | 35-3500K    |              |
|        |               |          | 40-4000K    |              |
|        |               |          | 65-6500K    |              |

## Assembly Builder

| Left Feed Entry |        |    |                                                   |
|-----------------|--------|----|---------------------------------------------------|
| F               | Front  | OW | Open wire 3.28ft (1m), 20 AWG                     |
| C               | Closed | MC | Male connector with 0.66ft (20cm) cable, 20 AWG   |
|                 |        | FC | Female connector with 0.66ft (20cm) cable, 20 AWG |
|                 |        | NA | Only for Closed Feed Entry                        |

## Assembly Builder

| Right Feed Entry |        |    | Illuminated Length <sup>1</sup>                   |
|------------------|--------|----|---------------------------------------------------|
| F                | Front  | OW | Open wire 3.28ft (1m), 20 AWG                     |
| C                | Closed | MC | Male connector with 0.66ft (20cm) cable, 20 AWG   |
|                  |        | FC | Female connector with 0.66ft (20cm) cable, 20 AWG |
|                  |        | NA | Only for Closed Feed Entry                        |

1. Production length = Illuminated length + End cap extension length (refer to below page for extension length of each end cap).

## Channel Order Code

| Product Code <sup>1</sup>                       | Colors              | Lens         | Lengths     |
|-------------------------------------------------|---------------------|--------------|-------------|
| Please select on the Channel Compatibility page | S = Silver anodized | OP - Opal    | 3.28ft (1m) |
|                                                 | W = White lacquered | FR - Frosted | 6.56ft (2m) |
|                                                 | B = Black anodized  | CL - Clear   |             |

1. Including 3.28ft/6.56ft lens cover + 2pcs end caps+2pcs mounting clips.

## Lumen Output (lm/ft)

| Temp./Color               | 1.46W/ft     | 2.93W/ft    | 4.39W/ft      | 5.85W/ft    | 7.32W/ft      |
|---------------------------|--------------|-------------|---------------|-------------|---------------|
| 1800K                     | 122          | 239         | 357           | 475         | 592           |
| 2200K                     | 126          | 248         | 370           | 492         | 614           |
| 2400K                     | 130          | 257         | 383           | 509         | 636           |
| 2700K                     | 138          | 271         | 405           | 538         | 672           |
| 3000K                     | 142          | 280         | 418           | 556         | 693           |
| 3500K                     | 144          | 283         | 422           | 561         | 701           |
| 4000K                     | 148          | 292         | 435           | 579         | 722           |
| 6500K                     | 145          | 286         | 427           | 567         | 708           |
| Max. Run for Class 2      | 52.6ft (16m) | 26.2ft (8m) | 17.5ft (5.3m) | 13.1ft (4m) | 10.5ft (3.2m) |
| Max. Run Supported Length | 29.5ft (9m)  | 23ft (7m)   | 19.7ft (6m)   | 19.7ft (6m) | 16.4ft (5m)   |

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

## Technical Details

|                      |                         |
|----------------------|-------------------------|
| Width                | 0.39in. (10mm)          |
| LED Quantity         | 72 LEDs/ft (240 LEDs/M) |
| Beam Angle           | 120°                    |
| Efficacy             | 99.1lm/W @4000K 4.39W   |
| CRI                  | Ra ≥ 90                 |
| LED MacAdam          | 3 steps                 |
| Average Life (L70)   | > 54,000 hours          |
| Max. Length Per Reel | 164ft (50m)             |
| Storage Temperature  | -4-113°F (-20°C- 60°C)  |
| Ambient Temperature  | -13-140°F (-20°C- 45°C) |

## Feed Entry Options

F: Front



C: Closed



## Connector Wire Options



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



**MC:** Male connector, **Dry & Damp.** **FC:** Female connector, **Dry & Damp.**  
Standard 0.66ft (20cm), 20 AWG  
Standard 0.66ft (20cm), 20 AWG



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## Channel Compatibility

## Lens Type &amp; Light Transmission

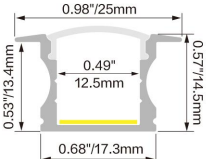
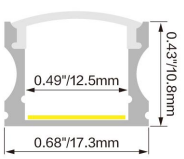
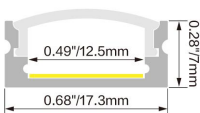
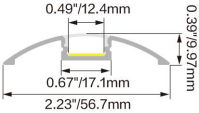
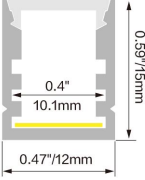
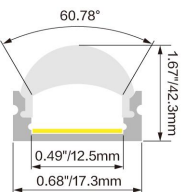
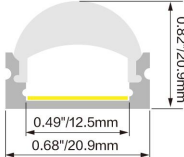
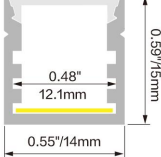
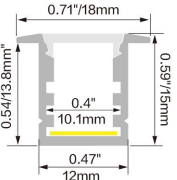
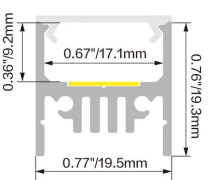
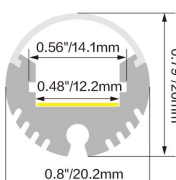
\* Non-standard option, please contact us for customization support.

CL Clear

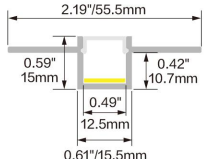
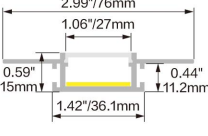
FR Frosted

OP Opal

## Surface

|                                                                                                                              |                                                                                                                              |                                                                                                                               |                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>BE1201</b><br>CL 62% FR 56% OP 46%<br>   | <b>BE1202</b><br>CL 63% FR 58% OP 47%<br>   | <b>BE1205</b><br>CL 84% FR 76% OP 63%<br>   | <b>BE1206</b><br>CL 78% FR 72% OP 59%<br>  |
| <b>BE1215</b><br>CL 55% FR 50% OP 41%<br>  | <b>BE1302</b><br>CL 83% FR 76% OP 62%<br>  | <b>BE1303</b><br>CL 65% FR 59% OP 48%<br>  | <b>BE1415</b><br>CL 53% FR 48% OP 39%<br> |
| <b>BE1815</b><br>CL 51% FR 46% OP 38%<br> | <b>BE1919</b><br>CL 76% FR 69% OP 57%<br> | <b>BE2020</b><br>CL 77% FR 70% OP 58%<br> |                                                                                                                               |

## Mud-In

|                                                                                                                              |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>BE5615</b><br>CL 59% FR 54% OP 44%<br> | <b>BE7615</b><br>CL 71% FR 65% OP 53%<br> |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|

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| Recessed                                                                                     |                                                                                              |                                                                                              |                                                                                              |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <div>BE1204</div> <div><div>CL 83%</div><div>FR 76%</div><div>OP 62%</div></div> <div></div> | <div>BE1207</div> <div><div>CL 61%</div><div>FR 55%</div><div>OP 45%</div></div> <div></div> | <div>BE2015</div> <div><div>CL 54%</div><div>FR 50%</div><div>OP 41%</div></div> <div></div> | <div>BE5035</div> <div><div>CL 54%</div><div>FR 49%</div><div>OP 40%</div></div> <div></div> |
| <div>BE6575</div> <div><div>CL 65%</div><div>FR 59%</div><div>OP 49%</div></div> <div></div> |                                                                                              |                                                                                              |                                                                                              |

| Corner                                                                                       |                                                                                              |                                                                                              |  |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|
| <div>BE1002</div> <div><div>CL 86%</div><div>FR 78%</div><div>OP 64%</div></div> <div></div> | <div>BE1101</div> <div><div>CL 57%</div><div>FR 52%</div><div>OP 42%</div></div> <div></div> | <div>BE1203</div> <div><div>CL 74%</div><div>FR 67%</div><div>OP 55%</div></div> <div></div> |  |

| Suspended                                                                                    |                                                                                              |                                                                                            |  |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|
| <div>BE3535</div> <div><div>CL 56%</div><div>FR 51%</div><div>OP 42%</div></div> <div></div> | <div>BE5075</div> <div><div>CL 65%</div><div>FR 59%</div><div>OP 48%</div></div> <div></div> | <div>BE60</div> <div><div>CL 86%</div><div>FR 78%</div><div>OP 64%</div></div> <div></div> |  |

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| Specialty                                                                      |                                                                               |                                                                                              |                                                                |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <p><b>BE1402</b><br/>Wall lighting</p> <p>CL 73% FR 66% OP 54%</p>             | <p><b>BE1403</b><br/>Wall lighting</p> <p>CL 77% FR 71% OP 58%</p>            | <p><b>BE1806</b><br/>Bendable surface mounted</p> <p>CL 88% FR 80% OP 66%</p>                | <p><b>BE2009</b><br/>Coves</p> <p>CL 57% FR 52% OP 42%</p>     |
| <p><b>BE3511</b><br/>Borderless Bi-Color Panel</p> <p>CL 66% FR 60% OP 49%</p> | <p><b>BE4615</b><br/>Borderless Inside Corner</p> <p>CL 59% FR 54% OP 44%</p> | <p><b>BE5315</b><br/>Borderless Outside Corner</p> <p>CL 58% FR 53% OP 43%</p>               | <p><b>BE6728</b><br/>Staircase</p> <p>CL 54% FR 49% OP 40%</p> |
| <p><b>BE6916</b><br/>Recessed</p> <p>CL 58% FR 52% OP 43%</p>                  | <p><b>BE7030</b><br/>Cove Recessed Borderless</p> <p>OP 61%</p>               | <p><b>BE8833</b><br/>Cove Recessed / Double-Layer Borderless</p> <p>CL 58% FR 53% OP 44%</p> | <p><b>BE12017</b><br/>Toekick</p> <p>CL 48% FR 44% OP 36%</p>  |
| <p><b>BE13350</b><br/>Coves</p> <p>CL 46% FR 42% OP 34%</p>                    |                                                                               |                                                                                              |                                                                |

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Connectors & Additional Accessories (Optional, purchase for extra)



**NI4CO-STCN-2P-10**  
Strip to cable connector without wire, for 0.39in. (10mm) tape, 2 pin



**NI4CO-STC-2P-10**  
Strip to cable connector with 5.9lin. (15cm) wire, for 0.39in. (10mm) tape, 2 pin



**NI4CO-STSJ-2P-10**  
Strip to strip jumper connector with 5.9lin. (15cm) wire, for 0.39in. (10mm) tape, 2 pin



**NI4CO-STDCB-2P-10**  
Strip to cable with black male & female connector, for 0.39in. (10mm) tape, 2 pin



**NI4CO-STDCW-2P-10**  
Strip to cable with white male & female connector, for 0.39in. (10mm) tape, 2 pin



**NI4CO-ST5-2P-10**  
Strip to strip connector, for 0.39in. (10mm) tape, 2 pin



**CI4CO-LC-2P-10**  
L-shaped corner connector, for 0.39in. (10mm) tape, 2 pin



**CI4CO-RC-2P-10**  
R-shaped corner connector, for 0.39in. (10mm) tape, 2 pin



**NI6CO-L-2P-10**  
L-shaped connector, for 0.39in. (10mm) tape, 2 pin



**MCB-DC-44**  
Male DC connector with 0.66ft (20cm) cable, IP44, Dry & damp, 20 AWG



**FCB-DC-44**  
Female DC connector with 0.66ft (20cm) cable, IP44, Dry & damp, 20 AWG



**VHB**  
VHB 3M adhesive back tape, stronger stickiness

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. (15.5 x 5.4 x 2cm) |
| KV-24060-ASW | 60W      |            |        |         |                   |              | 7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm) |
| KV-24096-ASW | 96W      |            |        |         |                   | Dry/Damp/Wet | 9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)   |

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. (15.5 x 5.4 x 2cm)   |
| KVF-24060-TDW  | 60W          |            |        |         |                   |              | 7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)   |
| KVF-24096-TDW  | 96W          |            |        |         |                   | Dry/Damp/Wet | 9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)     |
| KVF-24030-TDWJ | 30W          |            |        |         | Yes               | Dry/Damp     | 6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)   |
| KVF-24060-TDWJ | 60W          |            |        |         |                   |              | 7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)   |
| KVF-24096-TDWJ | 96W          |            |        |         |                   |              | 8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)   |
| KVF-24192-TDWJ | 192W (96Wx2) |            |        |         |                   |              | 10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm) |
| KVF-24288-TDWJ | 288W (96Wx3) |            |        |         |                   |              | 11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm) |
| KVF-24384-TDWJ | 384W (96Wx4) |            |        |         |                   |              | 12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm) |

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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. (15.5 x 5.4 x 2cm)   |
| KVD-24060-DIM  | 60W          |            |        |         |                   |              | 7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)   |
| KVD-24096-DIM  | 96W          |            |        |         |                   | Dry/Damp/Wet | 9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)     |
| KVD-24030-DIMJ | 30W          |            |        |         | Yes               | Dry/Damp     | 6.5 x 3.6 x 1in. (16.5 x 9.2 x 2.6cm)   |
| KVD-24060-DIMJ | 60W          |            |        |         |                   |              | 7.4 x 3.6 x 1in. (18.8 x 9.2 x 2.6cm)   |
| KVD-24096-DIMJ | 96W          |            |        |         |                   |              | 8.7 x 3.7 x 1.6in. (22 x 9.3 x 4.1cm)   |
| KVD-24192-DIMJ | 192W (96Wx2) |            |        |         |                   |              | 10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm) |
| KVD-24288-DIMJ | 288W (96Wx3) |            |        |         |                   |              | 11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm) |
| KVD-24384-DIMJ | 384W (96Wx4) |            |        |         |                   |              | 12.7 x 5.5 x 1.9in. (32.3 x 14 x 4.8cm) |

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. (15.5 x 5.4 x 2cm)   |
| KVG-24060-DW   | 60W          |            |        |         |                   |              | 7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)   |
| KVG-24096-DW   | 96W          |            |        |         |                   | Dry/Damp/Wet | 9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)     |
| KVG-24030-DWJ  | 30W          |            |        |         | Yes               | Dry/Damp     | 6.5 x 3.7 x 1.6in. (16.5 x 9.5 x 4cm)   |
| KVG-24060-DWJ  | 60W          |            |        |         |                   |              | 7.4 x 3.7 x 1.6in. (18.8 x 9.5 x 4cm)   |
| KVG-24096-DWJ  | 96W          |            |        |         |                   |              | 8.7 x 3.7 x 1.6in. (22 x 9.5 x 4cm)     |
| KVG-C24192-DWJ | 192W (96Wx2) |            |        |         |                   |              | 10.9 x 4.3 x 1.8in. (27.8 x 11 x 4.5cm) |
| KVG-C24288-DWJ | 288W (96Wx3) |            |        |         |                   |              | 11.9 x 4.3 x 1.8in. (30.1 x 11 x 4.5cm) |
| KVG-C24384-DWJ | 384W (96Wx4) |            |        |         |                   |              | 12.8 x 5.5 x 1.9in. (32.5 x 14 x 4.8cm) |

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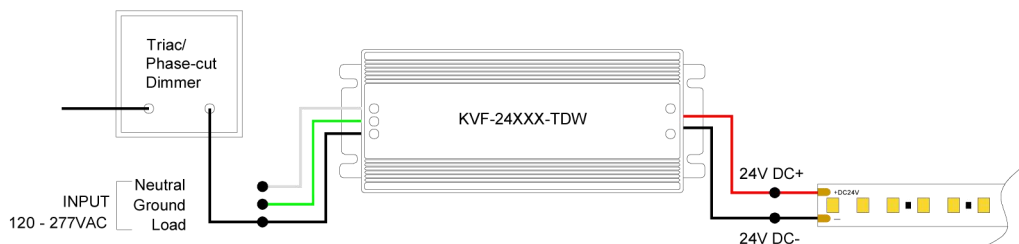
Indoor · Static White

## Wiring Diagram

### Non-dimmable



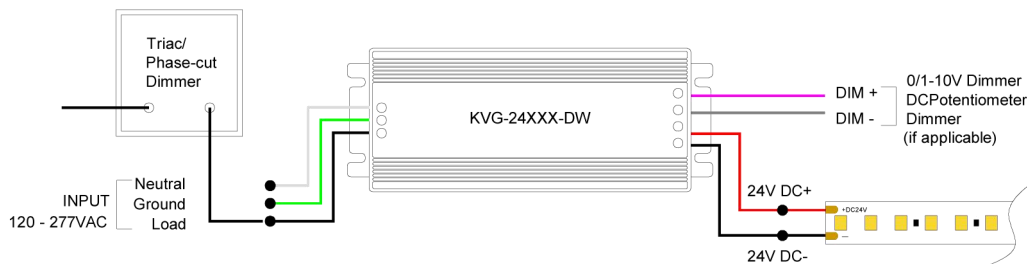
### Phase cut/Triac-dimmable



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



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



AERO TAPE HD Indoor · 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  | 10 AWG            | 12 AWG            | 14 AWG           | 16 AWG           | 18 AWG          | 20 AWG          | 22 AWG          | 24 AWG         |
|-------------|-------------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------|----------------|
| 5W / 0.2A   | 1730 ft (527.3 m) | 1090 ft (332.2 m) | 680 ft (207.3 m) | 430 ft (131.1 m) | 270 ft (82.3 m) | 170 ft (51.8 m) | 107 ft (32.6 m) | 68 ft (20.7 m) |
| 10W / 0.4A  | 784 ft (239.0 m)  | 539 ft (164.3 m)  | 345 ft (105.2 m) | 215 ft (65.5 m)  | 134 ft (40.8 m) | 85 ft (25.9 m)  | 52 ft (15.8 m)  | 34 ft (10.4 m) |
| 15W / 0.6A  | 576 ft (175.6 m)  | 363 ft (110.6 m)  | 228 ft (69.5 m)  | 144 ft (43.9 m)  | 91 ft (27.7 m)  | 57 ft (17.4 m)  | 36 ft (11.0 m)  | 23 ft (7.0 m)  |
| 20W / 0.8A  | 397 ft (121.0 m)  | 272 ft (82.9 m)   | 174 ft (53.0 m)  | 109 ft (33.2 m)  | 68 ft (20.7 m)  | 43 ft (13.1 m)  | 27 ft (8.2 m)   | 17 ft (5.2 m)  |
| 25W / 1.0A  | 346 ft (105.5 m)  | 218 ft (66.4 m)   | 137 ft (41.8 m)  | 86 ft (26.2 m)   | 55 ft (16.8 m)  | 34 ft (10.4 m)  | 22 ft (6.7 m)   | 14 ft (4.3 m)  |
| 30W / 1.2A  | 263 ft (80.2 m)   | 181 ft (55.2 m)   | 115 ft (35.1 m)  | 72 ft (21.9 m)   | 45 ft (13.7 m)  | 27 ft (8.2 m)   | 17 ft (5.2 m)   | 12 ft (3.7 m)  |
| 35W / 1.5A  | 247 ft (75.3 m)   | 156 ft (47.5 m)   | 98 ft (29.9 m)   | 62 ft (18.9 m)   | 39 ft (11.9 m)  | 25 ft (7.6 m)   | 16 ft (4.9 m)   | 10 ft (3.0 m)  |
| 40W / 1.7A  | 197 ft (60.0 m)   | 135 ft (41.1 m)   | 86 ft (26.2 m)   | 54 ft (16.5 m)   | 33 ft (10.1 m)  | 21 ft (6.4 m)   | 13 ft (4.0 m)   | 9 ft (2.7 m)   |
| 45W / 1.9A  | 192 ft (58.5 m)   | 121 ft (36.9 m)   | 76 ft (23.2 m)   | 48 ft (14.6 m)   | 31 ft (9.4 m)   | 19 ft (5.8 m)   | 12 ft (3.7 m)   | 8 ft (2.4 m)   |
| 50W / 2.1A  | 158 ft (48.2 m)   | 108 ft (32.9 m)   | 69 ft (21.0 m)   | 43 ft (13.1 m)   | 27 ft (8.2 m)   | 17 ft (5.2 m)   | 10.5 ft (3.2 m) | 7 ft (2.1 m)   |
| 60W / 2.5A  | 131 ft (39.9 m)   | 90 ft (27.4 m)    | 57 ft (17.4 m)   | 36 ft (11.0 m)   | 22 ft (6.7 m)   | 14 ft (4.3 m)   | 9 ft (2.7 m)    | 6 ft (1.8 m)   |
| 70W / 2.9A  | 112 ft (34.1 m)   | 77 ft (23.5 m)    | 49 ft (14.9 m)   | 31 ft (9.4 m)    | 19 ft (5.8 m)   | 12 ft (3.7 m)   | 7.5 ft (2.3 m)  | 5 ft (1.5 m)   |
| 80W / 3.3A  | 98 ft (29.9 m)    | 68 ft (20.7 m)    | 43 ft (13.1 m)   | 27 ft (8.2 m)    | 17 ft (5.2 m)   | 11 ft (3.4 m)   | 6.8 ft (2.1 m)  | 5 ft (1.5 m)   |
| 90W / 3.8A  | 97 ft (29.6 m)    | 61 ft (18.6 m)    | 39 ft (11.9 m)   | 24 ft (7.3 m)    | 15 ft (4.6 m)   | 9 ft (2.7 m)    | 6 ft (1.8 m)    | 4 ft (1.2 m)   |
| 100W / 4.2A | 82 ft (25.0 m)    | 56 ft (17.1 m)    | 36 ft (11.0 m)   | 22 ft (6.7 m)    | 14 ft (4.3 m)   | 8 ft (2.4 m)    | 5.3 ft (1.6 m)  | 4 ft (1.2 m)   |