

AERO TAPE ECO

Indoor · Static White

Features

- Budget friendly SMD tape with various output & CCT options
- IP20 rated, ideal for indoor uses
- 5 years warranty

Applications

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



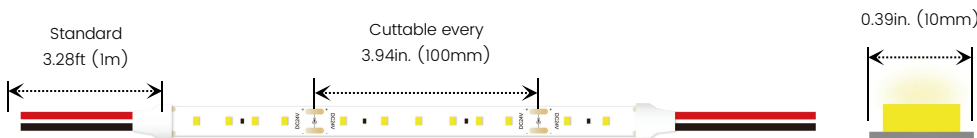
RoHS

ONE BIN



24V DC

Dimensions



Order Code (For LED tape)

| Series | Environment   | Voltage  | Temp./Color | Power        | Assembly Builder |        |    |                                                   |
|--------|---------------|----------|-------------|--------------|------------------|--------|----|---------------------------------------------------|
|        |               |          |             |              | Left Feed Entry  |        |    |                                                   |
| AEROE  | D2-Dry (IP20) | 24-DC24V | 18-1800K    | 146~1.46W/ft | F                | Front  | OW | Open wire 3.28ft (1m), 20 AWG                     |
|        |               |          | 22-2200K    | 293~2.93W/ft | C                | Closed | MC | Male connector with 0.66ft (20cm) cable, 20 AWG   |
|        |               |          | 24-2400K    | 439~4.39W/ft |                  |        | FC | Female connector with 0.66ft (20cm) cable, 20 AWG |
|        |               |          | 27-2700K    |              |                  |        | NA | Only for Closed Feed Entry                        |
|        |               |          | 30-3000K    |              |                  |        |    |                                                   |
|        |               |          | 35-3500K    |              |                  |        |    |                                                   |
|        |               |          | 40-4000K    |              |                  |        |    |                                                   |
|        |               |          | 65-6500K    |              |                  |        |    |                                                   |

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).

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                        |

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.

| Temp./Color               | 1.46W/ft     | 2.93W/ft    | 4.39W/ft      |
|---------------------------|--------------|-------------|---------------|
| 1800K                     | 118          | 234         | 349           |
| 2200K                     | 122          | 242         | 362           |
| 2400K                     | 127          | 251         | 375           |
| 2700K                     | 134          | 265         | 396           |
| 3000K                     | 138          | 273         | 409           |
| 3500K                     | 140          | 276         | 413           |
| 4000K                     | 144          | 285         | 426           |
| 6500K                     | 141          | 279         | 417           |
| Max. Run for Class 2*     | 52.6ft (16m) | 26.2ft (8m) | 17.5ft (5.3m) |
| Max. Run Supported Length | 36.1ft (11m) | 26.2ft (8m) | 19.7ft (6m)   |

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

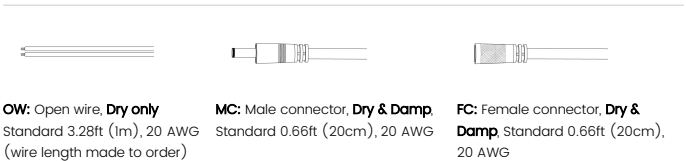
Technical Details

|                      |                         |
|----------------------|-------------------------|
| Width                | 0.39in. (10mm)          |
| LED Quantity         | 18 LEDs/ft (60 LEDs/M)  |
| Beam Angle           | 120°                    |
| Efficacy             | 97lm/w @4000K 4.39W     |
| CRI                  | Ra ≥ 90                 |
| LED MacAdam          | 3 steps                 |
| Average Life (L70)   | > 50,000 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



Connector Wire Options



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Channel Compatibility

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

Lens Type & Light Transmission

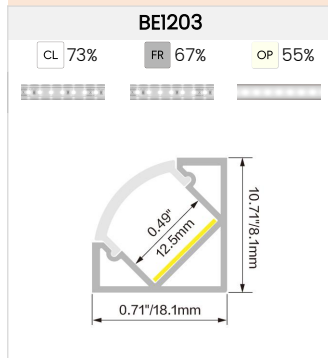
CL Clear    FR Frosted    OP Opal

| Surface                                                     |                                                             |                                                             |                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| <div>BE1201</div> <div>CL 63%FR 57%OP 47%</div> <div></div> | <div>BE1202</div> <div>CL 63%FR 58%OP 47%</div> <div></div> | <div>BE1415</div> <div>CL 54%FR 49%OP 40%</div> <div></div> | <div>BE2020</div> <div>CL 79%FR 72%OP 59%</div> <div></div> |
| Mud-In                                                      |                                                             |                                                             |                                                             |
| <div>BE5615</div> <div>CL 59%FR 54%OP 44%</div> <div></div> | <div>BE7615</div> <div>CL 71%FR 65%OP 53%</div> <div></div> |                                                             |                                                             |
| Recessed                                                    |                                                             |                                                             |                                                             |
| <div>BE1207</div> <div>CL 62%FR 57%OP 47%</div> <div></div> | <div>BE2015</div> <div>CL 55%FR 51%OP 41%</div> <div></div> | <div>BE5035</div> <div>CL 53%FR 48%OP 40%</div> <div></div> | <div>BE6575</div> <div>CL 65%FR 59%OP 48%</div> <div></div> |

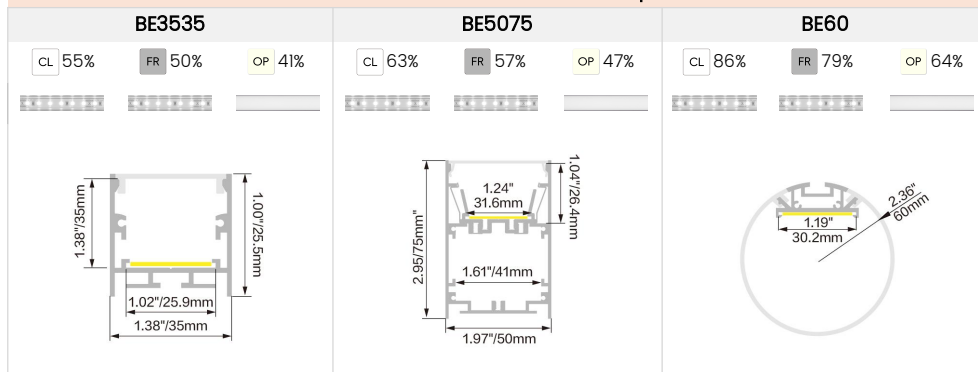
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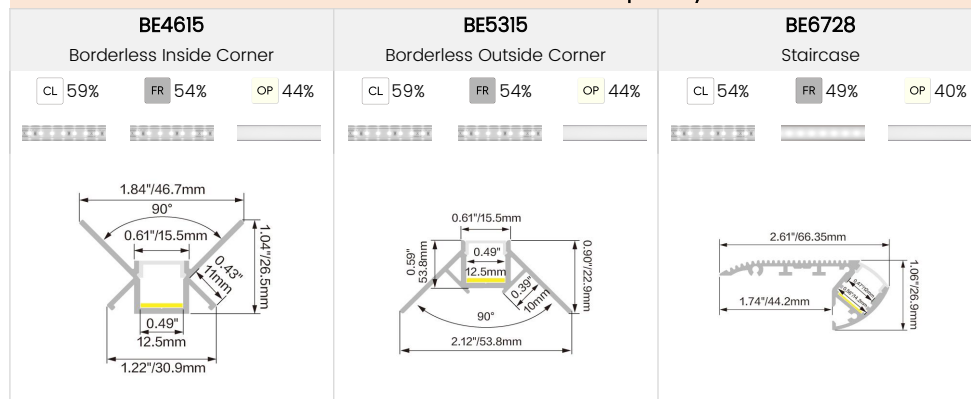
## Corner



## Suspended



## Specialty



## Connectors & Additional Accessories (Optional, purchase for extra)



**N6012-STCN-2P-10**

Strip to cable connector without wire, for 0.39" (10mm) tape, 2 pin

**N6012-STC-2P-10**

Strip to cable connector with 5.9" (15cm) wire, for 0.39" (10mm) tape, 2 pin

**N6012-STSJ-2P-10**

Strip to strip jumper connector with 5.9" (15cm) wire, for 0.39" (10mm) tape, 2 pin

**N6012-STDCB-2P-10**

Strip to cable with black male & female connector, for 0.39" (10mm) tape, 2 pin

**N6012-STDCW-2P-10**

Strip to cable with white male & female connector, for 0.39" (10mm) tape, 2 pin

AERO TAPE ECO

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**N6012-ST5-2P-10**  
Strip to strip connector, for 0.39" (10mm) tape, 2 pin



**C6012-LC-2P-10**  
L-shaped corner connector, for 0.39" (10mm) tape, 2 pin



**C6012-RC-2P-10**  
R-shaped corner connector, for 0.39" (10mm) tape, 2 pin



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



**FCB-DC-44**  
Female DC connector with 0.66" (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) |

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) |

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

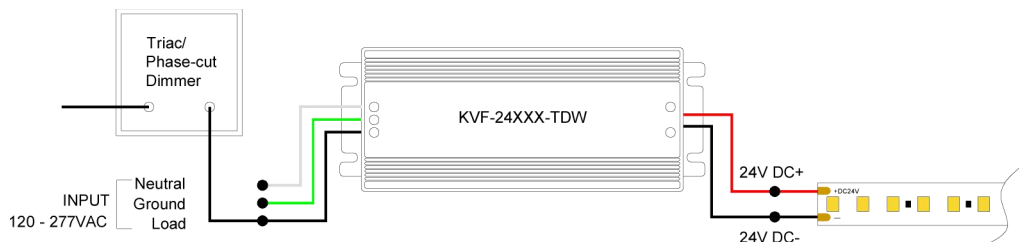
| Code           | Max Load     | Input      | Output | Class 2 | With Junction Box | Environment  | Size (L x W x H)                        |
|----------------|--------------|------------|--------|---------|-------------------|--------------|-----------------------------------------|
| KVG-24030-DW   | 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) |

## Wiring Diagram

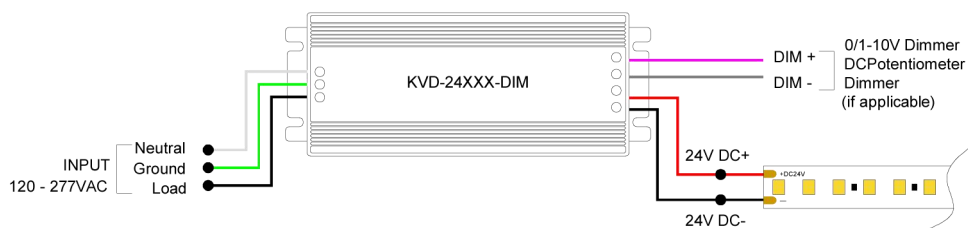
Non-dimmable



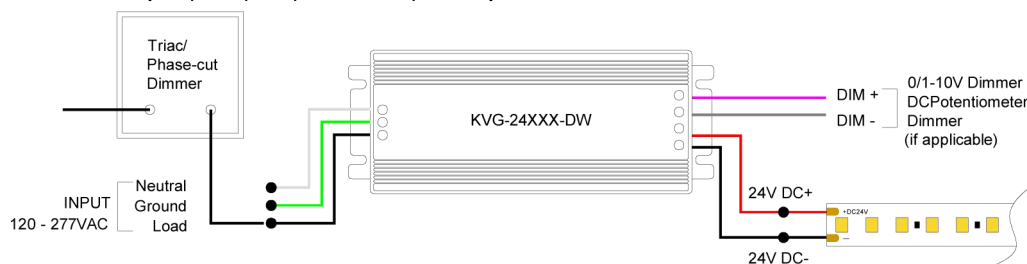
Phase cut/Triac-dimmable



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



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



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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)   |