

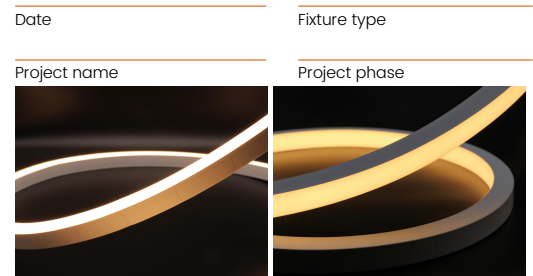
LINIO NEON 1617 SAUNA Static White Outdoor · Vertical Bending · Horizontal Bending

Features

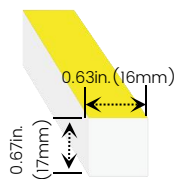
- Heat resistant with smooth diffusion, designed for high end saunas
- IP67 rated, ideal for wet locations
- 5 years warranty

Applications

Saunas, hot springs, bathhouse, resorts, etc.

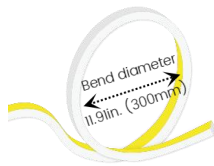


Dimensions (Vertical Bending · Horizontal Bending)



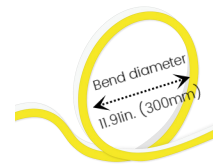
Bending Directions & Diameters

TV - Top View (Vertical Bending)



*Horizontal bending and 3D bending are prohibited.

SV - Side View (Horizontal Bending)



*Vertical bending and 3D bending are prohibited.

Order Code

| Series | Environment | Voltage | Temp./Color | Power | End Cap |
|-----------|---------------|----------|-------------|--------------|---------------------------|
| LN16171VS | W7-Wet (IP67) | 24-DC24V | 27-2700K | 183-1.83W/ft | IJ Injected (IP67) |
| LN1617SVS | | | 30-3000K | | IJC Clear injected (IP67) |
| | | | 35-3500K | | SEC Silicone (IP67) |
| | | | 40-4000K | | |
| | | | 53-5300K | | |

*Injected and clear injected end cap are factory-made only.

Assembly Builder

| Left Feed Entry | |
|-----------------|--|
| F Front | OW Open wire 3.28ft (1m) |
| B Bottom | MC Male connector with 0.98ft (30cm) cable |
| S Side | FC Female connector with 0.98ft (30cm) cable |
| C Closed | NA Only for Closed Feed Entry |

Assembly Builder

| Right Feed Entry | | | Length | |
|------------------|--|--|-------------|-------------------|
| F Front | OW Open wire 3.28ft (1m) | | Max nominal | 32.8ft (10m) |
| B Bottom | MC Male connector with 0.98ft (30cm) cable | | Increment | 2.19in. (55.56mm) |
| S Side | FC Female connector with 0.98ft (30cm) cable | | | |
| C Closed | NA Only for Closed Feed Entry | | | |

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

Mounting Order Code

| Product Code |
|---|
| Please select on the Mounting Options page. |

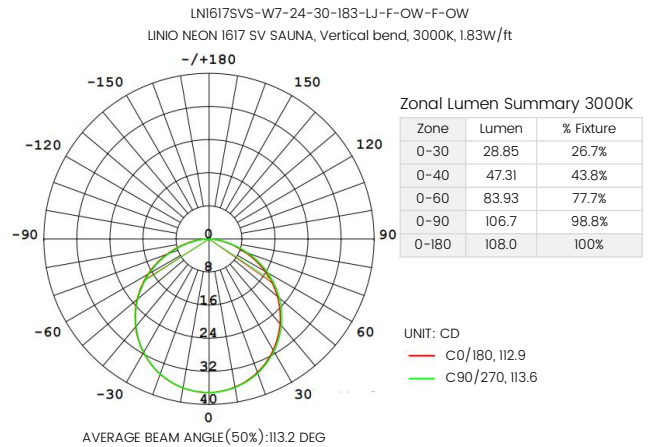
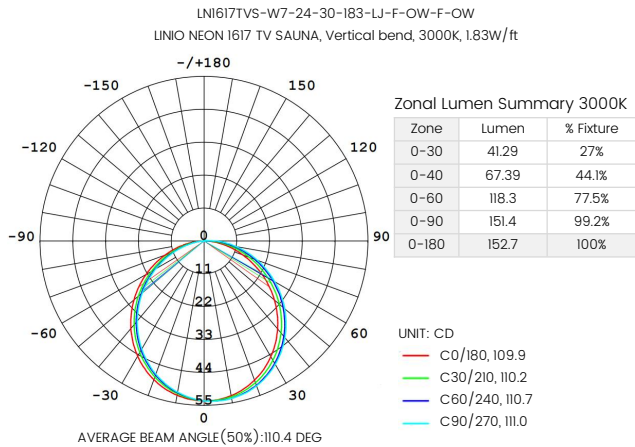
LINIO NEON 1617 SAUNA Static White Outdoor · Vertical Bending · Horizontal Bending

| Lumen Output (lm/ft) | | |
|-----------------------|------------------|--------------------|
| Temp./Color | Vertical Bending | Horizontal Bending |
| | 1.83W/ft | 1.83W/ft |
| 2700K | 128 | 103.5 |
| 3000K | 140 | 108 |
| 3500K | 146 | 114 |
| 4000K | 152 | 114 |
| 5300K | 152 | 114 |
| Max. Run for Class 2* | | 32.8ft (10m) |

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

| Technical Details | | |
|-----------------------|---|-------------------------------|
| | Vertical Bending | Horizontal Bending |
| Efficacy | 77lm/W @3000K | 59 lm/W @3000K |
| CRI | Ra≥90 | Ra≥90 |
| Beam Angle | 110° | 110° |
| LED MacAdam | 3 steps | 3 steps |
| IK Rating | IK10 (With aluminium profile, walk over only) | IK09 (With aluminium profile) |
| Average Life (L70) | > 33,000 hours | > 33,000 hours |
| Storage Temperature | | -40-149°F (-40°C- 65°C) |
| Operating Temperature | | -40-230°F (-40°C- 110°C) |

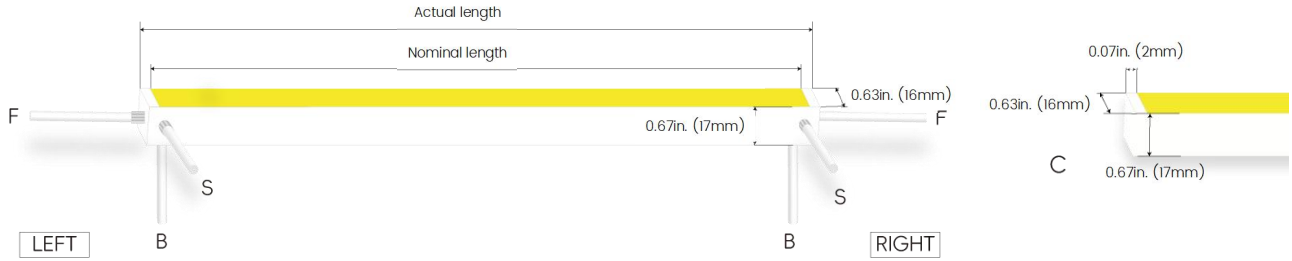
Photometry



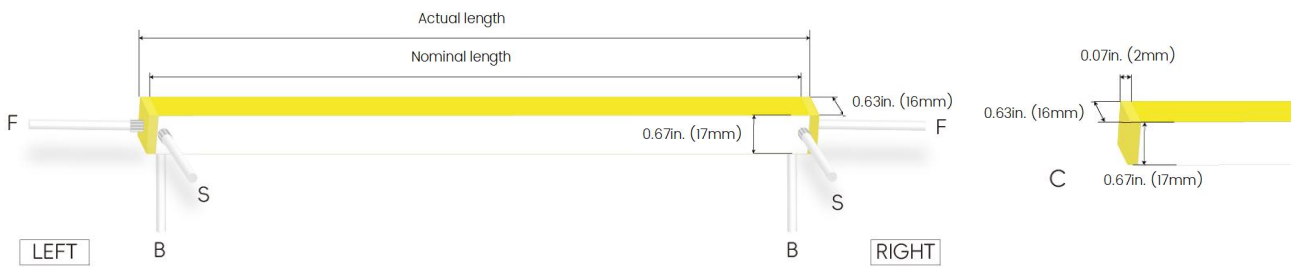
LINIO NEON 1617 SAUNA Static White Outdoor · Vertical Bending · Horizontal Bending

Feed Entry / End Cap Options

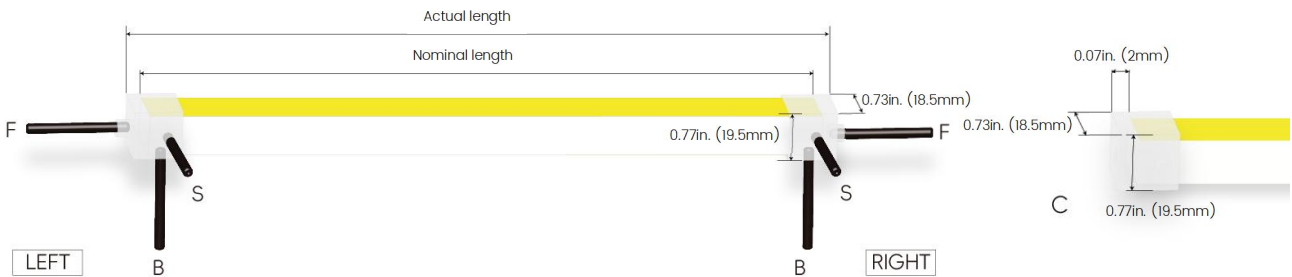
IJ: Injected end cap – IP67, factory-made only



IJC: Clear injected end cap – IP67, factory-made only



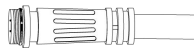
SEC: Silicone end cap – IP67



Connector Wire Options



OW: Open wire, **Dry only**
Standard 3.28ft (1m), 18 AWG (wire length customizable)



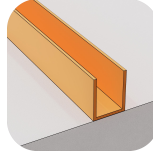
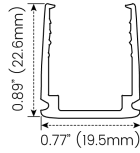
MC: Male connector, **Wet**
Standard 0.98ft (30cm), 18 AWG



FC: Female connector, **Wet**
Standard 0.98ft (30cm), 18 AWG

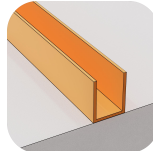
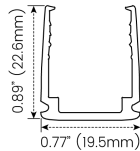
LINIO NEON 1617 SAUNA Static White Outdoor · Vertical Bending · Horizontal Bending

Mounting Options



LN1617-PC

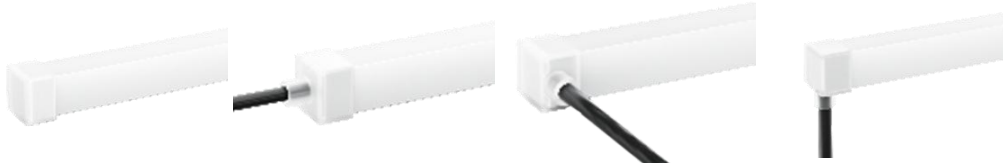
| | |
|-----------------|---------------|
| Name | PC channel |
| Material | Polycarbonate |
| Standard Length | 3.28ft (1M) |



LN1617-BPC

| | |
|-----------------|---------------------|
| Name | Bendable PC channel |
| Material | Polycarbonate |
| Standard Length | 3.28ft (1M) |

End Caps (Optional, purchase for extra)



LN1617-SEC-C
Silicone closed end cap

LN1617-SEC-F-2P
Silicone end cap front entry with 0.98ft (30cm) cable, 2 pin

LN1617-SEC-S-2P
Silicone end cap side entry with 0.98ft (30cm) cable, 2 pin

LN1617-SEC-B-2P
Silicone end cap bottom entry with 0.98ft (30cm) cable, 2 pin

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG

FCW-2P-67
Female connector with 0.98ft (30cm) white cable, 2 pin, IP67, Wet, 20 AWG

MCB-2P-67
Male connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG

FCB-2P-67
Female connector with 0.98ft (30cm) black cable, 2 pin, IP67, Wet, 20 AWG

LINIO NEON 1617 SAUNA 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. (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 | Yes | 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 | Yes | 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) |

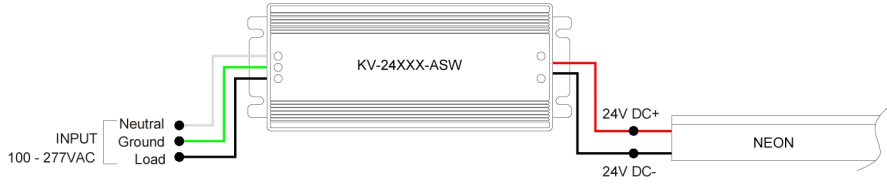
5 in 1-dimmable (Triac/0-10V/1-10V/Potentiometer/10V PWM)

| 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 | Yes | 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) |

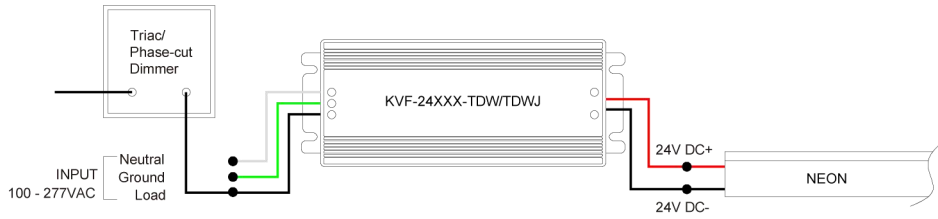
LINIO NEON 1617 SAUNA Static White Outdoor · Vertical Bending · Horizontal Bending

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 1617 SAUNA 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 | 10 AWG | 12 AWG | 14 AWG | 16 AWG | 18 AWG | 20 AWG | 22 AWG |
|-------------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| 5W / 0.2A | 1730 ft (527.3 m) | 784 ft (238.9 m) | 397 ft (121.0 m) | 263 ft (80.2 m) | 175 ft (53.3 m) | 131 ft (39.9 m) | 107 ft (32.6 m) |
| 10W / 0.4A | 865 ft (263.6 m) | 392 ft (119.4 m) | 199 ft (60.7 m) | 132 ft (40.2 m) | 88 ft (26.8 m) | 66 ft (20.1 m) | 54 ft (16.5 m) |
| 15W / 0.6A | 577 ft (175.9 m) | 261 ft (79.6 m) | 132 ft (40.2 m) | 88 ft (26.8 m) | 58 ft (17.7 m) | 44 ft (13.4 m) | 36 ft (11.0 m) |
| 20W / 0.8A | 433 ft (132.0 m) | 196 ft (59.7 m) | 99 ft (30.2 m) | 66 ft (20.1 m) | 44 ft (13.4 m) | 33 ft (10.1 m) | 27 ft (8.2 m) |
| 25W / 1.0A | 346 ft (105.5 m) | 157 ft (47.9 m) | 79 ft (24.1 m) | 53 ft (16.2 m) | 35 ft (10.7 m) | 26 ft (7.9 m) | 22 ft (6.7 m) |
| 30W / 1.3A | 289 ft (88.1 m) | 131 ft (39.9 m) | 66 ft (20.1 m) | 44 ft (13.4 m) | 29 ft (8.8 m) | 22 ft (6.7 m) | 18 ft (5.5 m) |
| 35W / 1.5A | 248 ft (75.6 m) | 112 ft (34.1 m) | 57 ft (17.4 m) | 38 ft (11.6 m) | 25 ft (7.6 m) | 19 ft (5.8 m) | 15 ft (4.6 m) |
| 40W / 1.7A | 217 ft (66.1 m) | 98 ft (29.9 m) | 50 ft (15.2 m) | 33 ft (10.1 m) | 22 ft (6.7 m) | 16 ft (4.9 m) | 13 ft (4.0 m) |
| 45W / 1.9A | 192 ft (58.5 m) | 87 ft (26.5 m) | 44 ft (13.4 m) | 29 ft (8.8 m) | 19 ft (5.8 m) | 14 ft (4.3 m) | 12 ft (3.7 m) |
| 50W / 2.1A | 173 ft (52.7 m) | 78 ft (23.8 m) | 40 ft (12.2 m) | 26 ft (7.9 m) | 18 ft (5.5 m) | 13 ft (4.0 m) | 11 ft (3.4 m) |
| 55W / 2.3A | 157 ft (47.9 m) | 71 ft (21.6 m) | 36 ft (11.0 m) | 24 ft (7.3 m) | 16 ft (4.9 m) | 12 ft (3.7 m) | 10 ft (3.0 m) |
| 60W / 2.5A | 144 ft (43.9 m) | 65 ft (19.8 m) | 33 ft (10.1 m) | 22 ft (6.7 m) | 15 ft (4.6 m) | 11 ft (3.4 m) | 9 ft (2.7 m) |
| 65W / 2.7A | 133 ft (40.5 m) | 60 ft (18.3 m) | 30 ft (9.1 m) | 20 ft (6.1 m) | 14 ft (4.3 m) | 10 ft (3.0 m) | 8 ft (2.4 m) |
| 70W / 2.9A | 124 ft (37.8 m) | 56 ft (17.1 m) | 28 ft (8.5 m) | 19 ft (5.8 m) | 13 ft (4.0 m) | 10 ft (3.0 m) | 8 ft (2.4 m) |
| 75W / 3.1A | 116 ft (35.4 m) | 52 ft (15.9 m) | 26 ft (7.9 m) | 17 ft (5.2 m) | 12 ft (3.7 m) | 9 ft (2.7 m) | 7 ft (2.1 m) |
| 80W / 3.3A | 109 ft (33.2 m) | 49 ft (14.9 m) | 25 ft (7.6 m) | 16 ft (4.9 m) | 11 ft (3.4 m) | 8 ft (2.4 m) | 7 ft (2.1 m) |
| 85W / 3.5A | 103 ft (31.4 m) | 46 ft (14.0 m) | 23 ft (7.0 m) | 15 ft (4.6 m) | 10 ft (3.0 m) | 8 ft (2.4 m) | 6 ft (1.8 m) |
| 90W / 3.8A | 97 ft (29.6 m) | 44 ft (13.4 m) | 22 ft (6.7 m) | 15 ft (4.6 m) | 10 ft (3.0 m) | 7 ft (2.1 m) | 6 ft (1.8 m) |
| 96W / 4.0A | 91 ft (27.7 m) | 41 ft (12.5 m) | 21 ft (6.4 m) | 14 ft (4.3 m) | 9 ft (2.7 m) | 7 ft (2.1 m) | 6 ft (1.8 m) |