



OMNIDRIVE[®] Electronic Dimmable Driver

COMPATIBILITY LIST

To ensure a safe installation and optimal lighting/dimming performance, source the exact dimming control model numbers that appear on this list. Read all footnotes for additional information. Please contact the dimmer switch manufacturer with inquiries about dimmer color/finish options.

1 DO NOT EXCEED THE LED LOAD CAPACITY.

Load Capacity ¹

| |
|----------------------------|
| 120V / 600W INC / 150W LED |
|----------------------------|

2 LOAD DRIVER MINIMUM 60% WHEN INSTALLING WITH A DIMMING CONTROL.

| | | | | | | |
|--|------|-----|-----|-----|-----|-----|
| OMNIDRIVE [®] Model | 10W | 20W | 30W | 45W | 60W | 80W |
| Min Load With Dim Control | 6W | 12W | 18W | 27W | 36W | 48W |
| Min Load With ON/OFF Switch (No Dim Control) | None | | | | | |

COMPATIBLE CONTROLS FOR 10W & 20W OMNIDRIVE[®] MODELS*

| Single Pole | Model # | Description | Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|---|---|-------------------------------------|---------------------------------|----------------------|----------------------------|-------------------|
| FORBES & LOMAX MLV Rotary Dimmer | FLRLV603P | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 150W LED Load | ≥60% Driver Capacity | 100 - 5% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| FORBES & LOMAX Inc/Hal Rotary Dimmer | FLR603P | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 150W LED Load | ≥60% Driver Capacity | 100 - 5% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron [®] Glyder [®] INC/HAL Slide-to-Off Dimmer | GL-600P | Single Pole | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 13% | No |
| | Notes: None. | | | | | |
| Lutron [®] Glyder [®] MLV Slide-to-off Dimmer | GLV-600 | Single Pole | 120V / 450W INC / 112.5W LED | ≥60% Driver Capacity | 100 - 8% | No |
| | Notes: None. | | | | | |
| Lutron [®] Nova [®] MLV Slide-to-off Dimmer | NLV-600 | Single Pole | 120V / 450W INC / 112.5W LED | ≥60% Driver Capacity | 100 - 13 % | Yes |
| | NLV-1000 | Single Pole | 120V / 800W INC / 200W LED | | | |
| | NLV-1500 | Single Pole | 120V / 1200W INC / 300W LED | | | |
| Notes: None. | | | | | | |

* Best performing controls for 10W & 20W OMNIDRIVE models are listed above. Dimmers compatible with OMNIDRIVE models ≥30W are also suitable for 10W & 20W models, but due to small load size the dimmer may emit a pop-on effect when preset to a low brightness and switched on.

COMPATIBLE CONTROLS FOR 30W, 45W, 60W & 80W OMNIDRIVE® MODELS

| Single Pole & 3-Way | Model # | Description | Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|---|---|--|------------------------------------|-------------------------|----------------------------|-------------------|
| FORBES & LOMAX MLV Rotary Dimmer | FLRLV603P | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 150W LED Load | ≥60% Driver Capacity | 100 - 5% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| FORBES & LOMAX Inc/Hal Rotary Dimmer | FLR603P | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 150W LED Load | ≥60% Driver Capacity | 100 - 5% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Ariadni®/ Toggler® C•L Preset Dimmer | AYCL-153P | Single Pole / 3-Way Trim-Adjustable | 120V / 150W LED | ≥60% Driver Capacity | 100 - 13% | No |
| | AYCL-253P | Single Pole / 3-Way Trim-Adjustable | 120V / 250W LED | | | |
| | TGCL-153P | Single Pole / 3-Way Trim-Adjustable | 120V / 150W LED | | | |
| | TGCL-253P | Single Pole / 3-Way Trim-Adjustable | 120V / 250W LED | | | |
| Notes: Adjust minimum trim to optimize dimming performance. | | | | | | |
| Lutron® Ariadni®/ Toggler® INC/HAL Preset Dimmer | AY-600P | Single Pole | 120V / 600W Inc / 150W LED | ≥60% Driver Capacity | 100 - 21% | No |
| | AY-603P | Single Pole / 3-Way | 120V / 600W Inc / 150W LED | | | |
| | AY-10P | Single Pole | 120V / 1000W Inc / 250W LED | | | |
| | AY-103P | Single Pole / 3-Way | 120V / 1000W Inc / 250W LED | | | |
| Notes: None. | | | | | | |
| Lutron® Ariadni®/ Toggler® MLV Preset Dimmer | AYLV-600P | Single Pole | 120V / 450W Inc / 112.5W LED | ≥60% Driver Capacity | 100 - 21% | No |
| | AYLV-603P | 3-Way | 120V / 450W Inc / 112.5W LED | | | |
| Notes: None. | | | | | | |
| Lutron® Caseta™ Wireless CFL/HAL/ INC/LED Dimmer with Pico® Remote | PD-6WCL | Single Pole In-Wall Dimmer | 120V / 600W Inc / 150W LED | ≥60% Driver Capacity | 100- 18% | No |
| | PD-3PCL | Single Pole Plug-in Lamp Dimmer | 120V / 300W Inc / 100W LED | | 100- 18% | No |
| Notes: Compatible with Wink HUB. | | | | | | |
| Lutron® Diva® C•L Preset Dimmer | DVCL-153P | Single Pole / 3-Way Trim-Adjustable | 120V / 150W LED Load | ≥60% Driver Capacity | 100 - 21% | No |
| | DVCL-253P | Single Pole / 3-Way Trim-Adjustable | 120V / 250W LED Load | | | |
| Notes: Adjust minimum trim to optimize dimming performance. | | | | | | |
| Lutron® Diva® Inc/Hal Preset Dimmer | DV-600P | Single Pole | 120V / 600W Inc / 150W LED | ≥60% Driver Capacity | 100 - 21% | No |
| | DV-603P | 3-Way | 120V / 600W Inc / 150W LED | | | |
| | DV-10P | Single Pole | 120V / 1000W Inc / 250W LED | | | |
| | DV-103P | 3-Way | 120V / 1000W Inc / 250W LED | | | |
| Notes: None. | | | | | | |

COMPATIBLE CONTROLS FOR 30W, 45W, 60W & 80W OMNIDRIVE® MODELS

| Single Pole & 3-Way | Model # | Description | Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|---|--------------|---------------------|------------------------------|----------------------|----------------------------|-------------------|
| Lutron® Diva® MLV Preset Dimmer | DVLV-600P | Single Pole | 120V / 450W Inc / 112.5W LED | ≥60% Driver Capacity | 100 - 21% | No |
| | DVLV-603P | Single Pole / 3-Way | 120V / 450W Inc / 112.5W LED | | | |
| | DVLV-10P | Single Pole | 120V / 800W Inc / 200W LED | | | |
| | DVLV-103P | Single Pole / 3-Way | 120V / 800W Inc / 200W LED | | | |
| Notes: None. | | | | | | |
| Lutron® Glyder® INC/HAL Slide-to- Off Dimmer | GL-600P | Single Pole | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 13% | No |
| | GL-603P | Single Pole / 3-Way | 120V / 600W INC / 150W LED | | | |
| | GL-10P | Single Pole / 3-Way | 120V / 1000W INC / 250W LED | | | |
| | GL-103P | Single Pole / 3-Way | 120V / 1000W INC / 250W LED | | | |
| Notes: None. | | | | | | |
| Lutron® Glyder® MLV Slide-to-off Dimmer | GLV-600 | Single Pole | 120V / 450W INC / 112.5W LED | ≥60% Driver Capacity | 100 - 8% | No |
| | Notes: None. | | | | | |
| Lutron® Nova® MLV Slide-to-off Dimmer | NLV-600 | Single Pole | 120V / 450W INC / 112.5W LED | ≥60% Driver Capacity | 100 - 13 % | Yes |
| | NLV-1000 | Single Pole | 120V / 800W INC / 200W LED | | | |
| | NLV-1500 | Single Pole | 120V / 1200W INC / 300W LED | | | |
| Notes: None. | | | | | | |
| Lutron® Skylark® Inc/Hal Preset Dimmer * | S-600P | Single Pole | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 14 % | No |
| | S-603P | Single Pole / 3-Way | 120V / 600W INC / 150W LED | | | |
| | S-10P | Single Pole | 120V / 1000W INC / 250W LED | | | |
| | S-103P | Single Pole / 3-Way | 120V / 1000W INC / 250W LED | | | |
| Notes: None. | | | | | | |
| Lutron® Skylark Contour® Inc/Hal Preset Dimmer | CT-600P | Single Pole | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 15% | No |
| | CT-603P | Single Pole / 3-Way | 120V / 600W INC / 150W LED | | | |
| | CT-103P | Single Pole / 3-Way | 120V / 1000W INC / 250W LED | | | |
| Notes: None. | | | | | | |

COMPATIBLE CONTROLS FOR 30W, 45W, 60W & 80W OMNIDRIVE® MODELS

| Single Pole & 3-Way | Model # | Description | Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|--|---|-------------------------------------|---------------------------------|----------------------|----------------------------|-------------------|
| Leviton® Sureslide® MLV Preset Dimmer | 6613-P | Single Pole / 3-Way | 120V / 450W INC / 112.5W LED | ≥60% Driver Capacity | 100 - 10% | No |
| | Notes: None. | | | | | |
| Leviton® Vizia+™ INC/MLV Preset Dimmer | VPM10 | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 14% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Leviton® Toggle Touch™ MLV Preset Dimmer | TGM10 | Single Pole / 3-Way | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 4% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Legrand® Paddle™ INC/CFL/LED Preset Dimmer | ADPD453L | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 450W LED | ≥60% Driver Capacity | 100 - 35% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Legrand® Paddle™ INC/HAL Dimmer | ADPD1103H | Single Pole / 3-Way Trim-Adjustable | 120V / 1100W INC / 275W LED | ≥60% Driver Capacity | 100 - 20% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Legrand® SofTap™ INC/ELV/MLV/CFL/LED Preset Dimmer | ADTP703TU | Single Pole / 3-Way Trim-Adjustable | 120V / 600W INC / 450W LED Load | ≥60% Driver Capacity | 100 - 20% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Legrand® PASS & SEYMOUR Harmony™ CFL/LED Preset Dimmer | HCL453PW | Single Pole / 3-Way Trim-Adjustable | 120V / 450W LED Load | ≥60% Driver Capacity | 100 - 22% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |

| Multi-Location & Home Automation | Model # | Description | LED Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|---|---|-------------------------------------|--|----------------------|----------------------------|-------------------|
| Control 4® Wireless Dimmer | LDZ-101-X | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 18% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Crestron® iLux® Universal Dimmer Expansion Module | CLS-EXP-DIMU | Dimmer Expansion Module | 120V / 1920W INC 480W LED | ≥60% Driver Capacity | 100 - 12% | Yes |
| | Notes: SET TO FORWARD PHASE ONLY. Enforce min level to allow the fixture to turn on and to avoid flicker at low dimming levels. Enforce max level to avoid dead travel at high end. | | | | | |
| Crestron® DIN Rail 4-Channel Dimmer | DIN-1DIM4 | Multi-Location Rail Dimmer | 120V / 600W INC Per Channel 150W LED Per Channel | ≥60% Driver Capacity | 100 - 13% | Yes |
| | Notes: Enforce min level to allow the fixture to turn on and to avoid flicker at low dimming levels. Enforce max level to avoid dead travel at high end. | | | | | |
| Crestron® DIN Rail 4-Channel Universal Dimmer | DIN-1DIMU4 | Multi-Location Rail Dimmer | 120V / 600W INC Per Channel 150W LED Per Channel | ≥60% Driver Capacity | 100 - 16% | Yes |
| | Notes: Enforce min level to allow the fixture to turn on and to avoid flicker at low dimming levels. Enforce max level to avoid dead travel at high end. | | | | | |

COMPATIBLE CONTROLS FOR 30W, 45W, 60W & 80W OMNIDRIVE® MODELS

| Multi-Location & Home Automation | Model # | Description | Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|---|--|-------------------------------------|--|----------------------|----------------------------|-------------------|
| Crestron® 6-Channel Dimmer Module | GLX-DIM6 | Multi-Location Dimmer Module | 120V / 1920W INC 480W LED Per Channel | ≥60% Driver Capacity | 100 - 10% | Yes |
| | Notes: Enforce min level to allow the fixture to turn on and to avoid flicker at low dimming levels. Enforce max level to avoid dead travel at high end. | | | | | |
| Crestron® 8-Channel Dimmer Module | GLXX-2DIM8 | Multi-Location Dimmer Module | 120V / 1920W INC 480W LED Per Channel | ≥60% Driver Capacity | 100 - 10% | Yes |
| | Notes: Enforce min level to allow the fixture to turn on and to avoid flicker at low dimming levels. Enforce max level to avoid dead travel at high end. | | | | | |
| Legrand® Touch™ Wireless Dimmer | ADTH700MMTU | Multi-Location (RF) Trim-Adjustable | 120V / 700W INC / 450W LED | ≥60% Driver Capacity | 100 - 39% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Leviton® Vizia rf+™ LED/CFL/INC/HAL Preset Dimmer | DZMX1-1L | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 450W LED | ≥60% Driver Capacity | 100 - 14% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. Compatible with Wink HUB and all Z-Wave® controllers. | | | | | |
| Lutron® Grafik Eye® 3000 | GRX-3102 | 2 - Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | ≥60% Driver Capacity | 100 - 22% | Yes |
| | GRX-3103 | 3- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | GRX-3104 | 4- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | GRX-3106 | 6- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Grafik Eye® QS (Non-RF) | QSGR-3P | 3- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | ≥60% Driver Capacity | 100 - 22% | Yes |
| | QSGR-4P | 4- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | QSGR-5P | 6- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | QSGR-8P | 8- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Grafik Eye® QS Wireless (RF) | QSGRJ-3P | 3- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | ≥60% Driver Capacity | 100 - 22% | Yes |
| | QSGRJ-4P | 4- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | QSGRJ-5P | 6- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | QSGRJ-8P | 8- Zone Control | 120V / 800W INC per Zone/ 200W LED per Zone | | | |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Maestro® Wireless Inc/MLV Dimmer | MRF2-6ND-120 | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 11% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |

COMPATIBLE CONTROLS FOR 30W, 45W, 60W & 80W OMNIDRIVE® MODELS

| Multi-Location & Home Automation | Model # | Description | Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|--|---|--|-----------------------------|----------------------|----------------------------|-------------------|
| Lutron® Maestro® Wireless ELV Dimmer | MAELV-600 | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 14% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Maestro® Wireless ELV Dimmer | MRF2-6ELV-120 | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 8% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® RadioRA2® MLV Dimmer | RRD-10ND | Multi-Location (RF) Trim-Adjustable | 120V / 1000W INC / 250W LED | ≥60% Driver Capacity | 100 - 12% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® RadioRA2® Phase-Adaptive Dimmer | RRD-6NA | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 12% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Maestro® Wireless Inc/MLV Dimmer | MRF2-6ND-120 | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 11% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| Lutron® Vareo® MLV Preset Dimmer | V-600 | Single Pole / Multi-Location Switching | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 14% | No |
| | V-1000 | Single Pole / Multi-Location Switching | 120V / 1000W INC / 250W LED | ≥60% Driver Capacity | 100 - 14% | No |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| SmartHome™ SwitchLinc™ Dimmer | 2477D | Multi-Location (RF) Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 26% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. | | | | | |
| VANTAGE Decorator RFLC Universal Dimmer | DRD4 | Multi-Location (RF) | Contact VANTAGE | ≥60% Driver Capacity | 100 - 3% | Yes |
| | Notes: Contact VANTAGE for further information at 1.800.555.9891. | | | | | |
| VANTAGE Infusion Standard Dimmer Module | SDMI12-EM | Multi-Location Trim-Adjustable | Contact VANTAGE | ≥60% Driver Capacity | 100 - 4% | Yes |
| | Notes: Contact VANTAGE for further information at 1.800.555.9891. | | | | | |

| Occupancy Sensor Controls | Model # | Description | LED Load Capacity ¹ | Min Load | Dimming Range ² | Neutral Required? |
|--|---|--------------------------------|--------------------------------|----------------------|----------------------------|-------------------|
| Leviton® Decora® Motion Sensor Switch | IPS02 | Single Pole | 120V / 300W INC / 150W LED | None | Switching Only | No |
| | Notes: This is an occupancy sensor switch, not a dimming control. Automatically, or manually turns lights On/Off. | | | | | |
| Lutron® Maestro® Occupancy Sensor Switch | MS-OPSS5MH | Single Pole / 3-Way | 120V / 600W INC / 360W LED | None | Switching Only | No |
| | Notes: This is an occupancy sensor switch, not a dimming control. Automatically, or manually turns lights On/Off. | | | | | |
| Lutron® Maestro® C•L Occupancy Sensor Dimmer | MSCL-OP153MH | Multi-Location Trim-Adjustable | 120V / 600W INC / 150W LED | ≥60% Driver Capacity | 100 - 12% | Yes |
| | Notes: Adjust minimum trim to optimize dimming performance. Automatically, or manually turns lights On/Off. | | | | | |

NOTES

Note¹ It's important to not load the dimming control more than the LED load capacity listed on this compatibility list. LED loads may exhibit an inrush current when switched on, which may overload the dimming control. These LED loads have been pre-calculated for easy reference (they are not listed on the dimming control unless advertised as an LED control). As a general rule of thumb, use the following formula to calculate the maximum LED load for all brands of compatible Incandescent (INC), Halogen (HAL), Magnetic Low Voltage (MLV), or Electronic Low Voltage (ELV) dimming controls:

$$L_{LED\ load} = D_{Dimmer\ load} \times .25$$

For example, let's calculate the LED load for the Lutron Diva INC/HAL Preset Dimmer (DV-600P). This dimmer has a 600W incandescent load.

$$L_{LED\ load} = 600W \times .25 = 150W$$

Note² Dimming Range is based on the minimum and maximum measured lux (lx) values of the dimming control.

VOLTAGE DROP CHARTS

For best performance and lumen output, ensure proper wire gauge is installed to compensate for voltage drop of low voltage circuits.

Example: 12V Voltage Drop & Wire Length Distance Chart

| Wire Gauge | 10 W .83 A | 20 W 1.7 A | 30 W 2.5 A | 40 W 3.3 A | 50 W 2.1 A | 60 W 4.2 A |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 18 AWG | 34 ft. | 17 ft. | 11 ft. | 8 ft. | 6 ft. | 5 ft. |
| 16 AWG | 54 ft. | 27 ft. | 18 ft. | 13 ft. | 10 ft. | 9 ft. |
| 14 AWG | 86 ft. | 43 ft. | 29 ft. | 21 ft. | 17 ft. | 14 ft. |
| 12 AWG | 134 ft. | 68 ft. | 45 ft. | 34 ft. | 27 ft. | 22 ft. |
| 10 AWG | 199 ft. | 99 ft. | 66 ft. | 49 ft. | 39 ft. | 33 ft. |



1 Determine load size. Let's assume load is 55 W. Round up to nearest load.



2 Determine distance from driver to load. Let's assume the distance is 20 ft.



3 It's recommended to install 12 AWG to eliminate excess voltage drop.

12V Voltage Drop & Wire Length Distance Chart

| Wire Gauge | 10 W .83 A | 20 W 1.7 A | 30 W 2.5 A | 40 W 3.3 A | 50 W 2.1 A | 60 W 4.2 A |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 18 AWG | 34 ft. | 17 ft. | 11 ft. | 8 ft. | 6 ft. | 5 ft. |
| 16 AWG | 54 ft. | 27 ft. | 18 ft. | 13 ft. | 10 ft. | 9 ft. |
| 14 AWG | 86 ft. | 43 ft. | 29 ft. | 21 ft. | 17 ft. | 14 ft. |
| 12 AWG | 134 ft. | 68 ft. | 45 ft. | 34 ft. | 27 ft. | 22 ft. |
| 10 AWG | 199 ft. | 99 ft. | 66 ft. | 49 ft. | 39 ft. | 33 ft. |

24V Voltage Drop & Wire Length Distance Chart

| Wire Gauge | 10 W .42 A | 20 W .83 A | 30 W 1.3 A | 40 W 1.7 A | 50 W 2.1 A | 60 W 2.5 A | 70 W 2.9 A | 80 W 3.3 A | 100 W 4.2 A |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| 18 AWG | 134 ft. | 68 ft. | 45 ft. | 33 ft. | 27 ft. | 22 ft. | 19 ft. | 17 ft. | 14 ft. |
| 16 AWG | 215 ft. | 109 ft. | 72 ft. | 54 ft. | 43 ft. | 36 ft. | 31 ft. | 27 ft. | 22 ft. |
| 14 AWG | 345 ft. | 174 ft. | 115 ft. | 86 ft. | 69 ft. | 57 ft. | 49 ft. | 43 ft. | 36 ft. |
| 12 AWG | 539 ft. | 272 ft. | 181 ft. | 135 ft. | 108 ft. | 90 ft. | 77 ft. | 68 ft. | 56 ft. |
| 10 AWG | 784 ft. | 397 ft. | 263 ft. | 197 ft. | 158 ft. | 131 ft. | 112 ft. | 98 ft. | 82 ft. |

ADDITIONAL RESOURCES

Visit the online product page at www.DiodeLED.com for additional resources including:

- **OMNIDRIVE® Specification Sheet**
For full specifications.
- **OMNIDRIVE® Installation Guide**
For system diagrams and full installation instructions.



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