



## LTEA - Hi-Lume 1%

2 Wire | 120VAC

## L3DA - Hi-Lume 1%

3 Wire | 120V-277V

## L3D0 - Hi-Lume Premier 0.1% JA8

3 Wire | 120V-277V

Lutron Hi-lume drivers provide the most reliable, high-performance dimming with outstanding quality and superior reliability. These LED drivers are engineered and manufactured by Lutron and tested with Cali Lighting products to deliver the highest quality, performance, and reliability standards to the customer.

### FEATURES



#### Product Codes

LTEA4U1UKL-CV240 - Lutron Hi-lume 1% 24VDC Output

LTEA4U1UKL-AV120 - Lutron Hi-lume 1% 12VDC Output

**Case Dimensions:** 4.0" H x 4.89" W x 2.62" D

**Side Knockouts:** 8 locations: 0.5"  
4 locations: 0.5" / 0.75"

**Bottom Knockouts:** 2 locations: 0.5"  
2 locations: 0.5" / 0.75"

#### Features:

- Low Voltage Lighting
- 120V
- 12VDC or 24VDC
- 40VA (Maximum Watts)
- White Finish
- Indoor Rating
- Class: 2
- Forward Phase (2 Wire)
- Listing: UL

### ELECTRICAL

The Hi-lume 1% 2-Wire LED Driver (LTEA2W) is a high performance LED driver that provides a smooth, continuous, flicker-free 1% dimming for virtually any LED fixture. Primary voltage is 120V and secondary side is 12VDC or 24VDC. A rated life time of 50,000 hours @tc -149°F (65°C). Inrush current: < 2A. Minimum operating temperature ta = 32°F (0°C)

### FORWARD PHASE DIMMING PROTOCOL

Continuous, flicker-free dimming from 100% to 1%. Guaranteed compatibility with selected Maestro Wireless, RadioRA 2, HomeWorks QS, GRAFIK Eye QS, GRAFIK Systems, Quantum, and C•L Dimmers

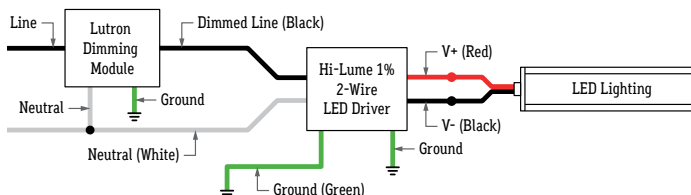
#### MAXIMUM DRIVER TO LED WIRE LENGTH (Constant Voltage Drivers)

| WIRE SIZE | MAXIMUM LEAD LENGTH |       |
|-----------|---------------------|-------|
|           | 12VDC               | 24VDC |
| 24 AWG    | 2.5'                | 4'    |
| 22 AWG    | 4'                  | 6'    |
| 20 AWG    | 6'                  | 10'   |
| 18 AWG    | 10'                 | 15'   |
| 16 AWG    | 15'                 | 25'   |
| 14 AWG    | 25'                 | 40'   |
| 12 AWG    | 40'                 | 60'   |

#### WIRING DIAGRAMS

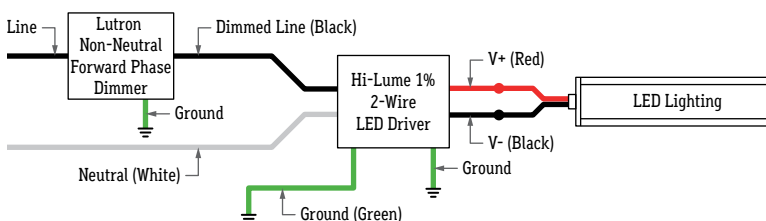
##### Controls Requiring Neutral

Note: Colors shown on diagram correspond to terminals on driver



##### Controls Not Requiring Neutral

Note: Colors shown on diagram correspond to terminals on driver



CALIFORNIA ACCENT LIGHTING, INC.  
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### FEATURES



#### Product Codes

L3DA4U1UKL-CV240 - Lutron Hi-lume 1% 24VDC Output

L3DA4U1UKL-AV120 - Lutron Hi-lume 1% 12VDC Output

**Case Dimensions:** 4.0" H x 4.89" W x 2.62" D

**Side Knockouts:** 8 locations: 0.5"

4 locations: 0.5" / 0.75"

**Bottom Knockouts:** 2 locations: 0.5"

2 locations: 0.5" / 0.75"

#### Features:

- Low Voltage Lighting
- 120V-277V
- 12VDC or 24VDC
- 40VA (Watts)
- White Finish
- Indoor Rating
- Class: 2
- Phase Control (3 Wire)
- Listing: UL

### ELECTRICAL

Hi-lume 1% EcoSystem/3-Wire Driver (L3DA) is a high-performance LED driver that provides smooth, continuous 1% dimming for virtually any LED fixture, primary voltage is 120-277 V~ at 50/60 Hz and secondary side is 12VDC or 24VDC. A rated life time of 50,000 hours @tc -149°F (65°C).

Inrush current: < 2A. Minimum operating temperature ta= 32°F (0°C)

### FORWARD PHASE DIMMING PROTOCOL

Continuous, flicker-free dimming from 100% to 1%. Compatible with Energi Savr Node unit with EcoSystem, GRAFIK Eye QS control unit, PowPak dimming module with EcoSystem, and Quantum systems, allowing for integration into a planned or existing EcoSystem lighting control solution. Standard 3-wire, line-voltage phase-control technology for consistent dimming performance and compatibility with all Lutron 3-wire fluorescent controls.

### MAXIMUM DRIVER TO LED WIRE LENGTH (Constant Voltage Drivers)

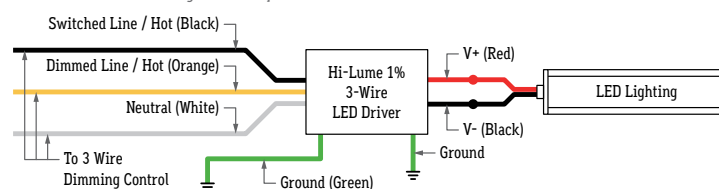
| WIRE SIZE | MAXIMUM LEAD LENGTH |       |
|-----------|---------------------|-------|
|           | 12VDC               | 24VDC |
| 24 AWG    | 2.5'                | 4'    |
| 22 AWG    | 4'                  | 6'    |
| 20 AWG    | 6'                  | 10'   |
| 18 AWG    | 10'                 | 15'   |
| 16 AWG    | 15'                 | 25'   |
| 14 AWG    | 25'                 | 40'   |
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### WIRING DIAGRAMS

#### L3D Models

3 Wire Controls

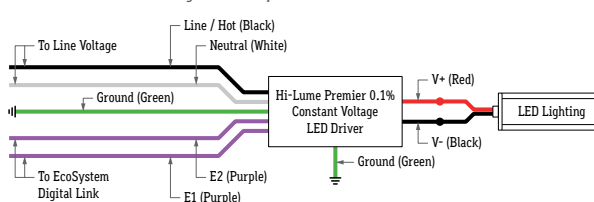
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#### L3D Models

EcoSystem Digital Controls

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### FEATURES



#### Product Codes

L3D0-96W24V-U - Lutron Hi-lume Premier 0.1% JA8 96W 24VDC Output

**Case Dimensions:** 10.5" H x 5.5" W x 2.0" D

**Side Knockouts:** 4 locations: 0.5"

**Bottom Knockouts:** 2 locations: 0.5"

#### Features:

- Low Voltage Lighting
- Universal Voltage (120V-277V)
- 24VDC
- 96VA (Maximum Watts)
- White Finish
- Indoor Rating
- Class: 2
- EcoSystem Controls (L3D0E)
- Listing: UL

### ELECTRICAL

Hi-lume Premier 0.1% EcoSystem / 3 Wire constant voltage 24V LED driver with Soft-on, Fade-to-Black. The Hi-lume Premier 0.1% Constant Voltage Driver (L3D0E) is a highperformance LED driver capable of controlling up to 96W of 24V constant voltage loads. This driver provides smooth and continuous dimming down to 0.1% low-end. It is ideal for use with strip lighting in applications such as coves, under or over cabinet lighting and pathway lighting. The driver is UL Listed with an integrated wiring compartment and can be mounted up to 150' away from the load.

### DIMMING PROTOCOL

- Continuous, flicker-free dimming from 100% to 0.1%
- Soft-on, Fade-to-Black operation for EcoSystem controls: fades smoothly between 0% and 0.1% when turned on and off for an incandescent like experience.
- PWM dimming meets IEEE1789 over the entire dimming range.
- UL Listed for United States and Canada (cULus®).
- NOM certified for Mexico.
- Field Adjustment Knob offers customer low-end light output tuning for better fixture-to-fixture matching.
- Guaranteed dimming performance when used with Lutron controls:
  - HomeWorks QS, Energi Savr Node units with EcoSystemcontrols, GRAFIK Eye QS with EcoSystem controls, PowPak with EcoSystem dimming modules, PowPak with EcoSystem wireless fixture controls, and Quantum systems, allowing for integration into a planned or existing EcoSystem lighting control solution.
  - Lutron 3-wire controls and interfaces.
- Protected from miswires of input power, up to 277 V~, to EcoSystem control inputs.
- Rated lifetime of 50,000 hours at 40 °C (104 °F) ambient temperature and maximum loading.
- FCC Part 15
- Class A (277 V~)
- Class B (120 V~)

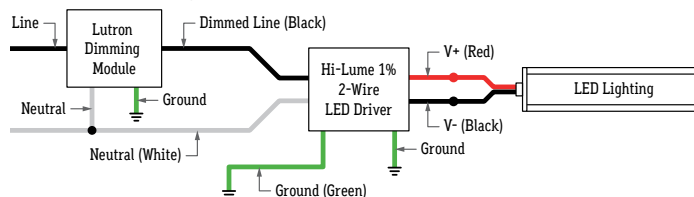
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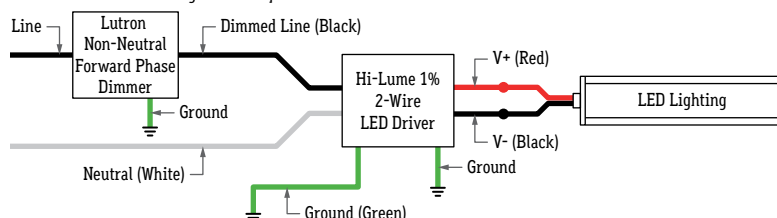
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