

## EL-ES3024

### Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

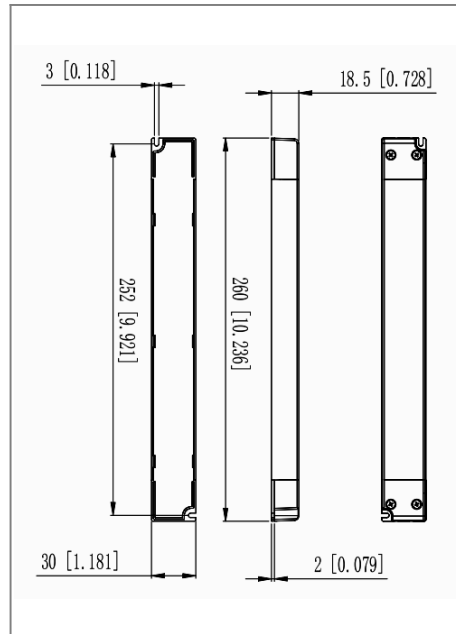
Single Circuit: **24VDC 20kHz PWM**

Total Wattage: **30W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750 and 1310  
Certified to CSA  
STD. C22.2 No 250.0



### Transformer

Dimmable with triac forward and reverse phase, 0/1-10V , resistor, PWM

Input leads: Terminal Block

Output leads: Terminal Block

### Housing

The actual transformer 30W is encapsulated in the enclosure

The enclosure is Plastic suitable for dry and damp location, with wire compartment, IP 20 rated

Enclosure Temperature does not exceed 70°C at 45°C ambient and fully loaded

Dimensions (inch): H = 10.23, W = 1.18, D = 0.73

Weight (LBs): 0.44

### Electrical Parameters

Input Voltage: **100-277V 50/60Hz**

Max. input current at full load: **0.5A**

Output voltage without load: **24.1VDC**

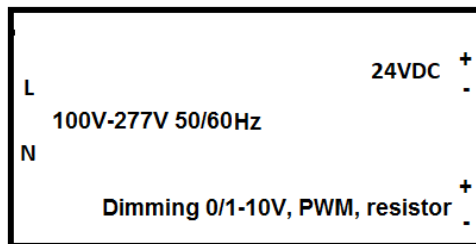
Output voltage fully loaded: **24VDC**

Max. Total Wattage: **30W**

Max. Output Current: **1.3A**

Efficiency: **80%**

Load regulation: **0.5%**



## EL-ES3024

### Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location  
Enclosure

Single Circuit: **24VDC**

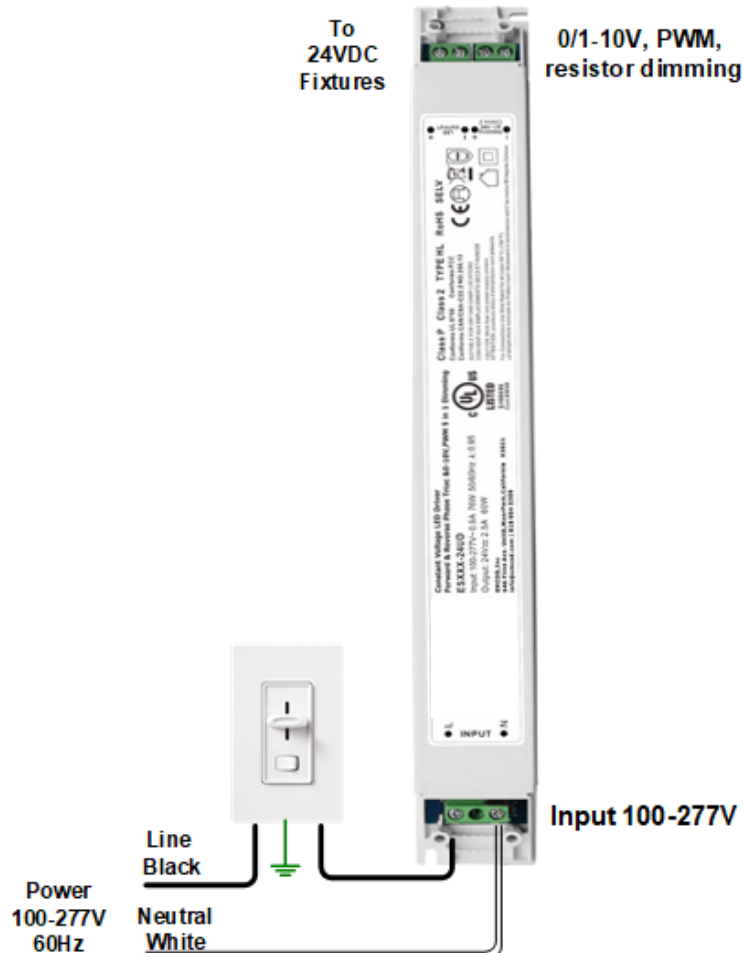
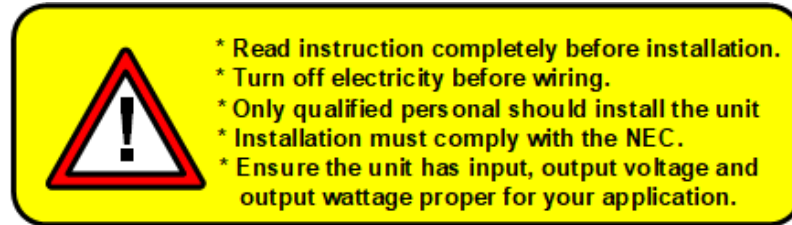
Total Wattage: **30W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750 and 1310  
Certified to CSA  
STD. C22.2 No 250.0

### Installation Instruction



### Mounting

The driver must be mounted in at least 5" of a free flow air space for proper ventilation. The transformer must never be mounted next to or above heat radiated objects. The maximum ambient temperature should not exceed 50 deg. C (110 deg. F)

### Input Connection

Bring your line and neutral wires and connect them to the L and N input terminals.

### Output Connection

Bring your lights wires through output strain relief and connect to the + and - output terminals. Make sure all your connection very tight

### Dimming Connections

There are 5 in one dimming options.

1. Triac dimmer connect to the input terminals as on diagram.
2. 0/1-10V dimmer to dimming terminals, follow polarity as on the label.
3. PWM dimmer connect to the same terminals, follow polarity.
4. Variable resistor connect to dimming terminals.

## EL-ES6024

### Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

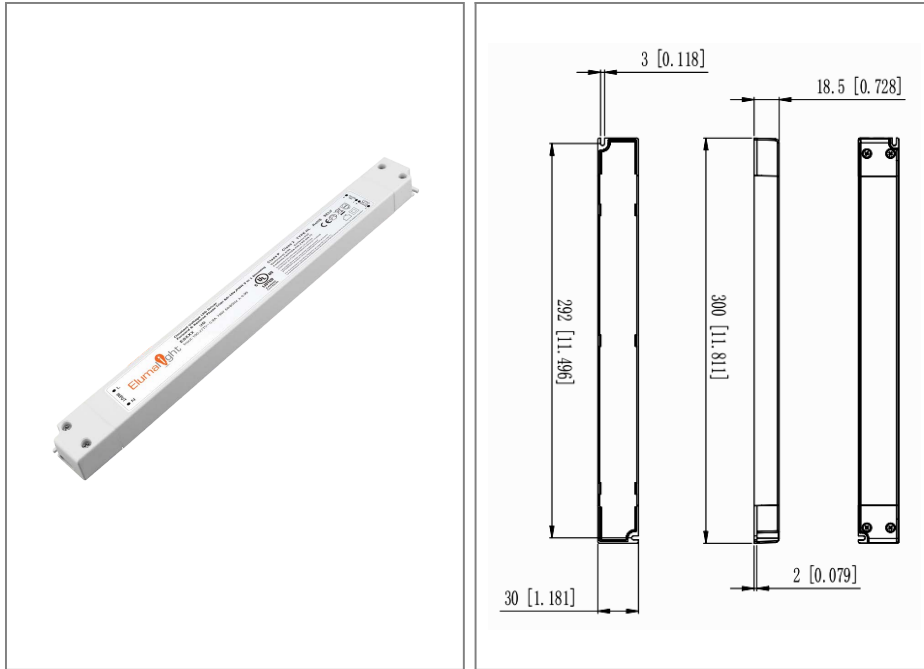
Single Circuit: **24VDC 20kHz PWM**

Total Wattage: **60W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750 and 1310  
Certified to CSA  
STD. C22.2 No 250.0



### Transformer

Dimmable with triac forward and reverse phase, 0/1-10V , resistor, PWM

Input leads: Terminal Block

Output leads: Terminal Block

### Housing

The actual transformer 60W is encapsulated in the enclosure

The enclosure is Plastic suitable for dry and damp location, with wire compartment, IP 20 rated

Enclosure Temperature does not exceed 65°C at 45°C ambient and fully loaded

Dimensions (inch): H = 11.5, W = 1.18, D = 0.73

Weight (LBs): 0.53

### Electrical Parameters

Input Voltage: **100-277V 50/60Hz**

Max. input current at full load: **0.9A**

Output voltage without load: **24.1VDC**

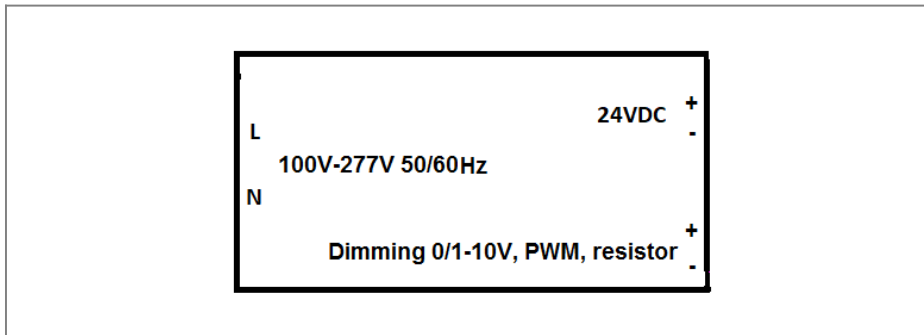
Output voltage fully loaded: **24VDC**

Max. Total Wattage: **60W**

Max. Output Current: **2.5A**

Efficiency: **83%**

Load regulation: **0.5%**



## EL-ES6024

### Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

Single Circuit: **24VDC**

Total Wattage: **60W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750 and 1310  
Certified to CSA  
STD. C22.2 No 250.0

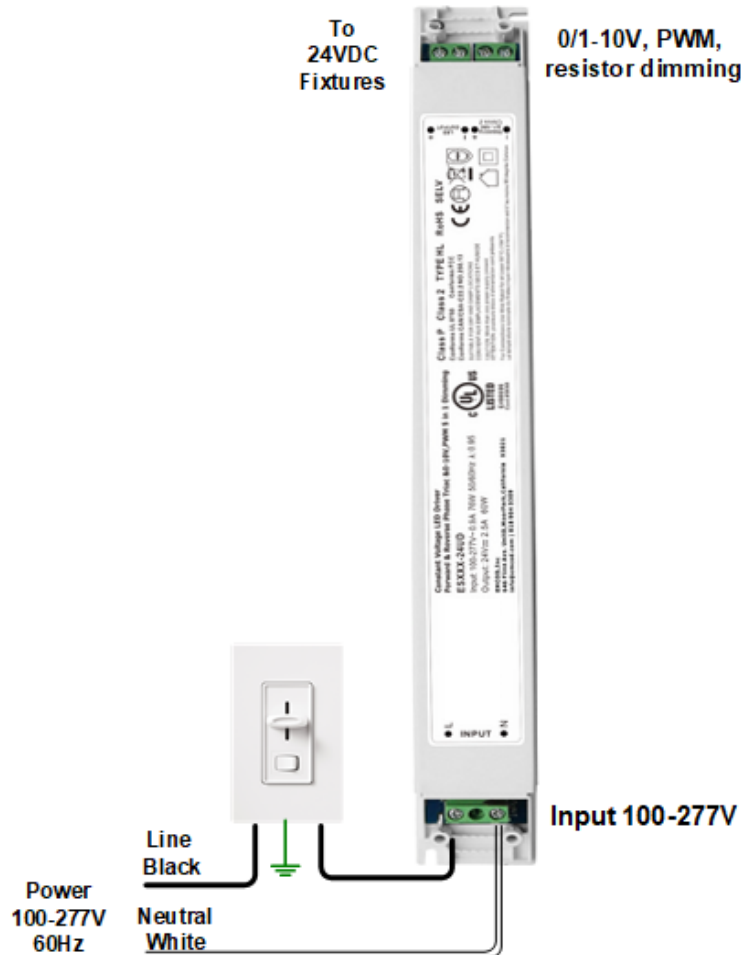
### Installation Instruction



- \* Read instruction completely before installation.
- \* Turn off electricity before wiring.
- \* Only qualified personal should install the unit
- \* Installation must comply with the NEC.
- \* Ensure the unit has input, output voltage and output wattage proper for your application.

To  
24VDC  
Fixtures

0/1-10V, PWM,  
resistor dimming



### Mounting

The driver must be mounted in at least 5" of a free flow air space for proper ventilation. The transformer must never be mounted next to or above heat radiated objects. The maximum ambient temperature should not exceed 50 deg. C (110 deg. F)

### Input Connection

Bring your line and neutral wires and connect them to the L and N input terminals.

### Output Connection

Bring your lights wires through output strain relief and connect to the + and - output terminals. Make sure all your connection very tight

### Dimming Connections

There are 5 in one dimming options.

1. Triac dimmer connect to the input terminals as on diagram.
2. 0/1-10V dimmer to dimming terminals, follow polarity as on the label.
3. PWM dimmer connect to the same terminals, follow polarity.
4. Variable resistor connect to dimming terminals.

## EL-ES9624

### Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

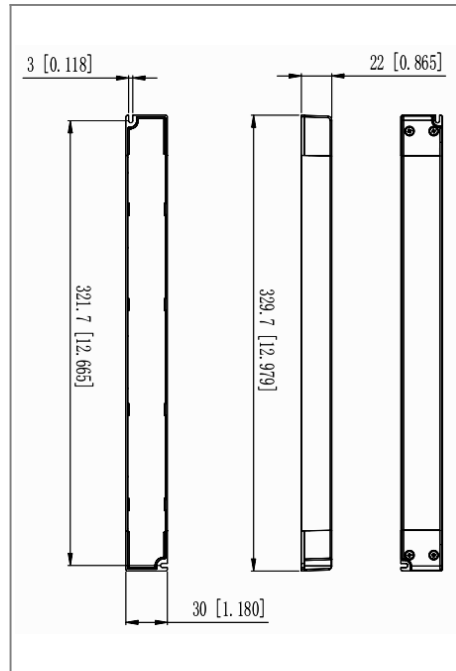
Single Circuit: **24VDC 20kHz PWM**

Total Wattage: **96W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750 and 1310  
Certified to CSA  
STD. C22.2 No 250.0



### Transformer

Dimmable with triac forward and reverse phase, 0/1-10V , resistor, PWM

Input leads: Terminal Block

Output leads: Terminal Block

### Housing

The actual transformer 96W is encapsulated in the enclosure

The enclosure is Plastic suitable for dry and damp location, with wire compartment, IP 20 rated

Enclosure Temperature does not exceed 65°C at 45°C ambient and fully loaded

Dimensions (inch): H = 12.7, W = 1.18, D = 0.85

Weight (LBs): 0.7

### Electrical Parameters

Input Voltage: **100-277V 50/60Hz**

Max. input current at full load: **1.3A**

Output voltage without load: **24.1VDC**

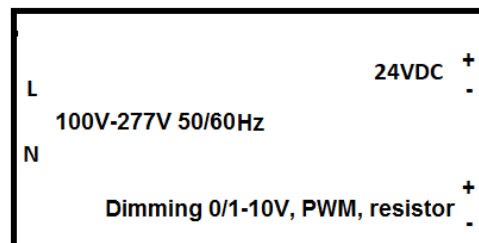
Output voltage fully loaded: **24VDC**

Max. Total Wattage: **96W**

Max. Output Current: **4A**

Efficiency: **85%**

Load regulation: **0.5%**



## EL-ES9624

### Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location  
Enclosure

Single Circuit: **24VDC**

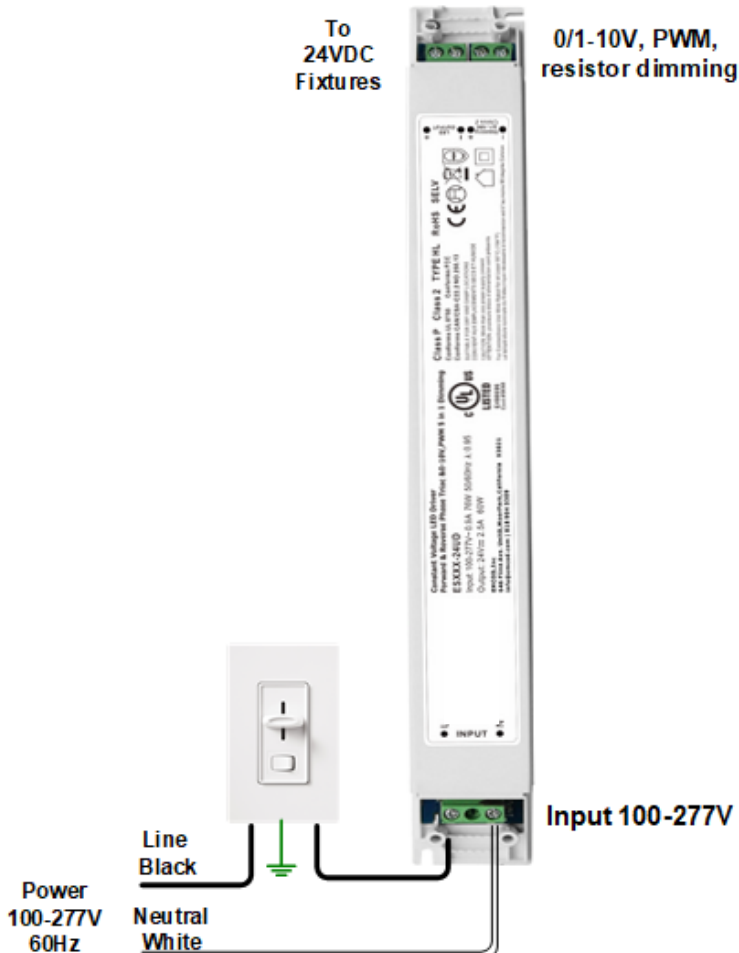
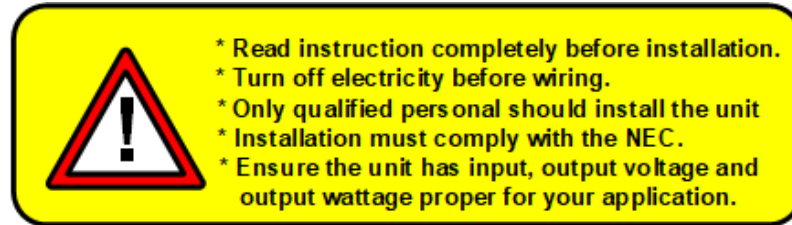
Total Wattage: **96W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750 and 1310  
Certified to CSA  
STD. C22.2 No 250.0

### Installation Instruction



### Mounting

The driver must be mounted in at least 5" of a free flow air space for proper ventilation. The transformer must never be mounted next to or above heat radiated objects. The maximum ambient temperature should not exceed 50 deg. C (110 deg. F)

### Input Connection

Bring your line and neutral wires and connect them to the L and N input terminals.

### Output Connection

Bring your lights wires through output strain relief and connect to the + and - output terminals. Make sure all your connection very tight

### Dimming Connections

There are 5 in one dimming options.

1. Triac dimmer connect to the input terminals as on diagram.
2. 0/1-10V dimmer to dimming terminals, follow polarity as on the label.
3. PWM dimmer connect to the same terminals, follow polarity.
4. Variable resistor connect to dimming terminals.

## EL-ES15024

### Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

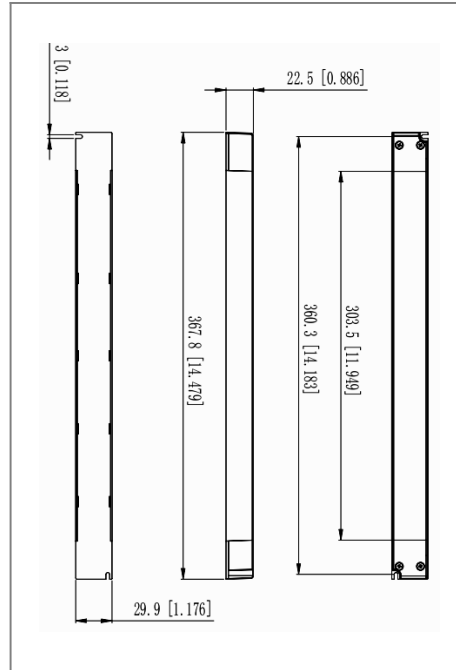
Single Circuit: **24VDC 20kHz PWM**

Total Wattage: **150W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750  
Certified to CSA  
STD. C22.2 No 250.0



### Transformer

Dimmable with triac forward and reverse phase, 0/1-10V , resistor, PWM

Input leads: Terminal Block

Output leads: Terminal Block

### Housing

The actual transformer 150W is encapsulated in the enclosure

The enclosure is Plastic suitable for dry and damp location, with wire compartment, IP 20 rated

Enclosure Temperature does not exceed 65°C at 45°C ambient and fully loaded

Dimensions (inch): H = 14.5, W = 1.18, D = 0.89

Weight (LBs): 0.88

### Electrical Parameters

Input Voltage: **100-277V 50/60Hz**

Max. input current at full load: **1.8A**

Output voltage without load: **24.1VDC**

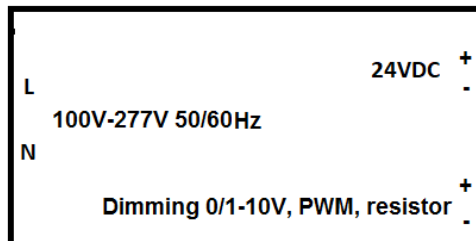
Output voltage fully loaded: **24VDC**

Max. Total Wattage: **150W**

Max. Output Current: **6.3A**

Efficiency: **85%**

Load regulation: **0.5%**





## EL-ES15024

### Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location

Enclosure

Single Circuit: **24VDC**

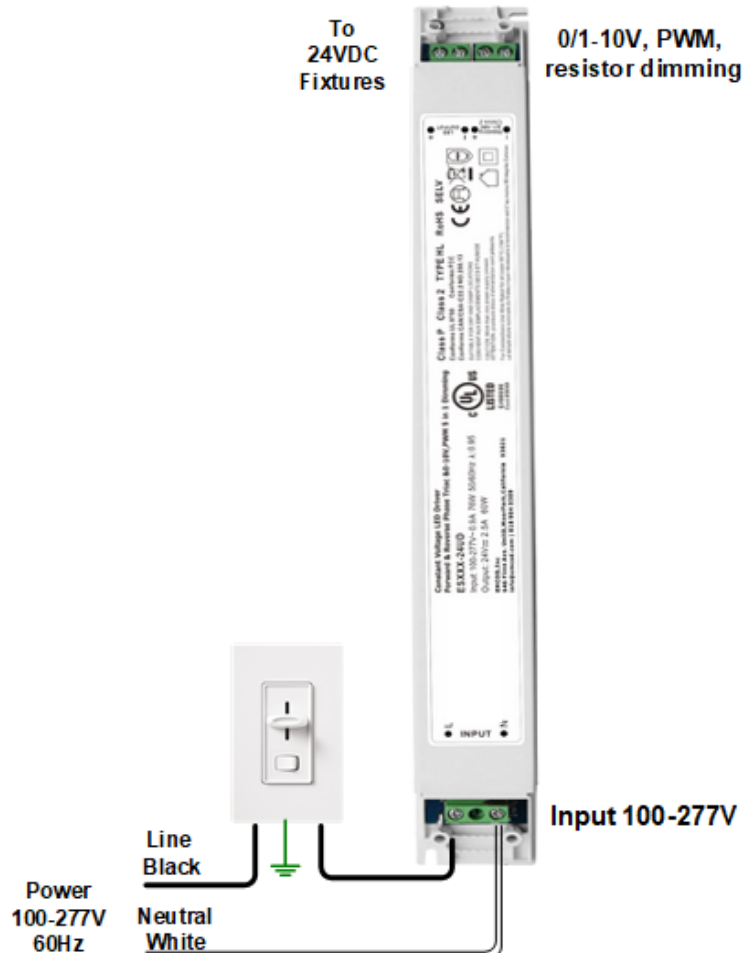
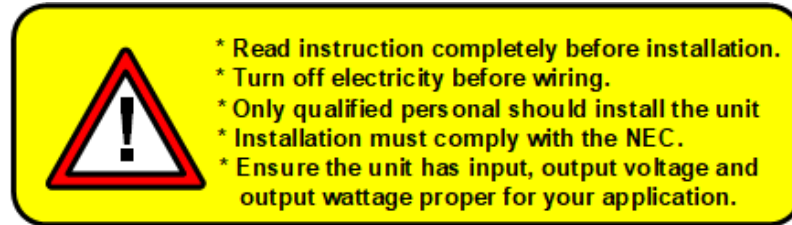
Total Wattage: **150W max**

Input Voltage: **100-277V 50/60Hz**



Conforms to UL STD. 8750  
Certified to CSA  
STD. C22.2 No 250.0

### Installation Instruction



### Mounting

The driver must be mounted in at least 5" of a free flow air space for proper ventilation. The transformer must never be mounted next to or above heat radiated objects. The maximum ambient temperature should not exceed 50 deg. C (110 deg. F)

### Input Connection

Bring your line and neutral wires and connect them to the L and N input terminals.

### Output Connection

Bring your lights wires through output strain relief and connect to the + and - output terminals. Make sure all your connection very tight

### Dimming Connections

There are 5 in one dimming options.

1. Triac dimmer connect to the input terminals as on diagram.
2. 0/1-10V dimmer to dimming terminals, follow polarity as on the label.
3. PWM dimmer connect to the same terminals, follow polarity.
4. Variable resistor connect to dimming terminals.