

EL-ES3012

Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

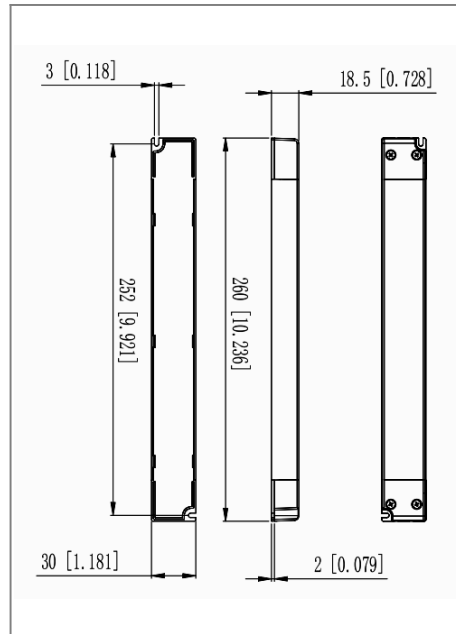
Single Circuit: **12VDC 20kHz PWM**

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 65°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: **12.1VDC**

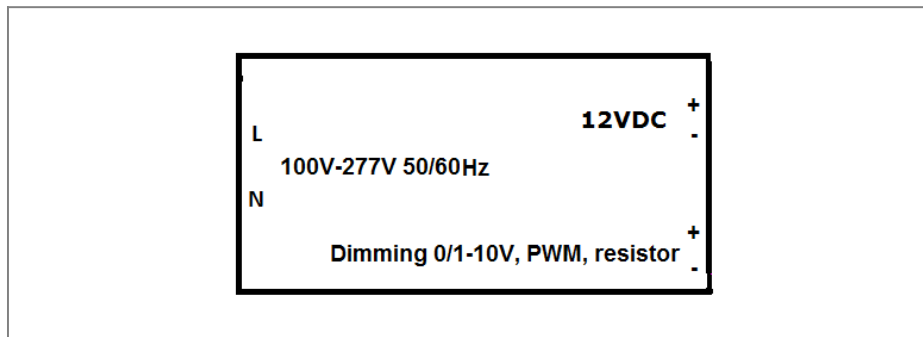
Output voltage fully loaded: **12VDC**

Max. Total Wattage: **30W**

Max. Output Current: **2.5A**

Efficiency: **80%**

Load regulation: **0.5%**



EL-ES3012

Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location
Enclosure

Single Circuit: **12VDC**

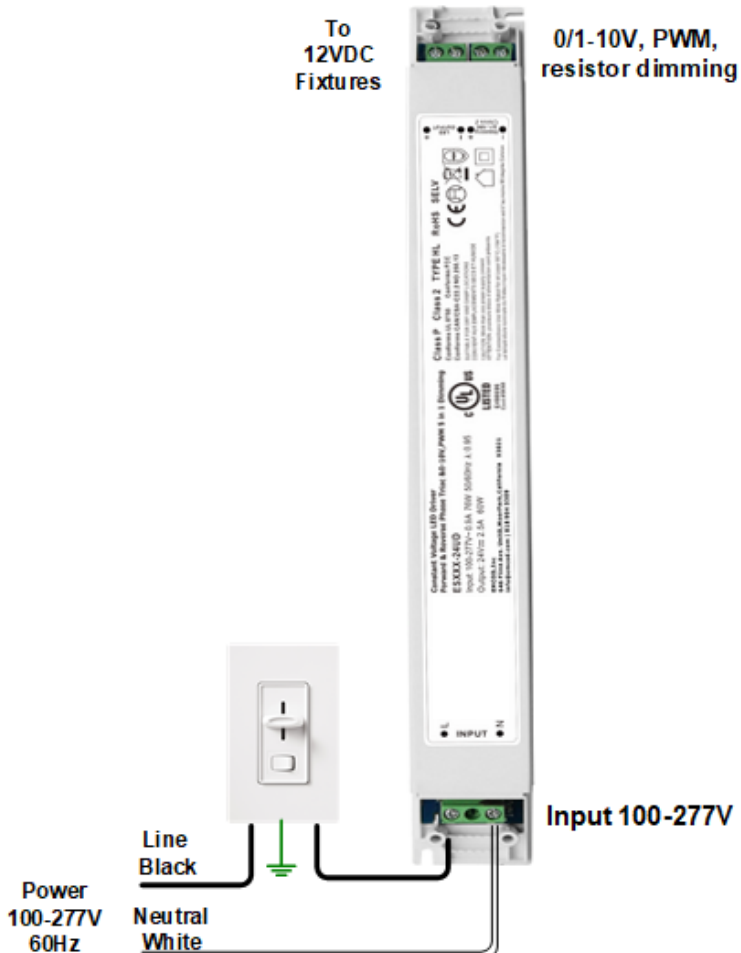
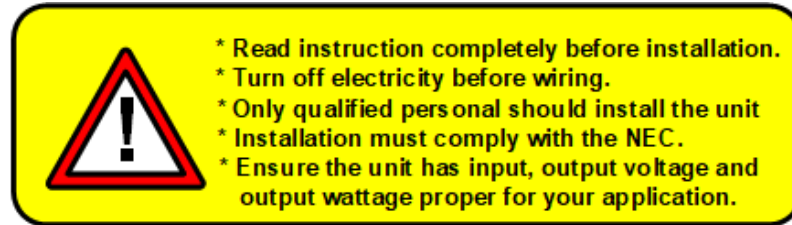
Total Wattage: **30W max**

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-ES6012

Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

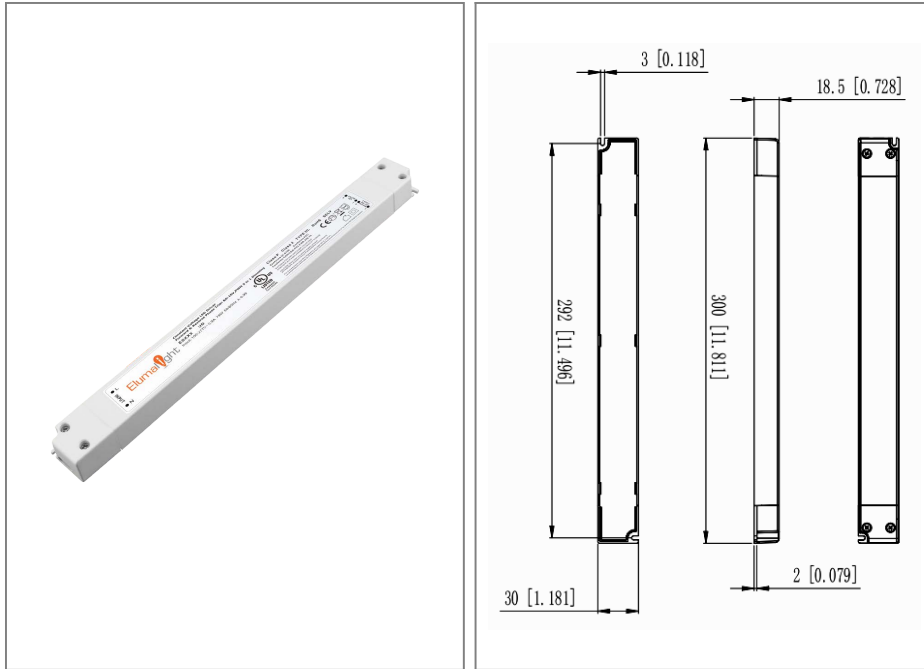
Single Circuit: **12VDC 20kHz PWM**

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: **12.1VDC**

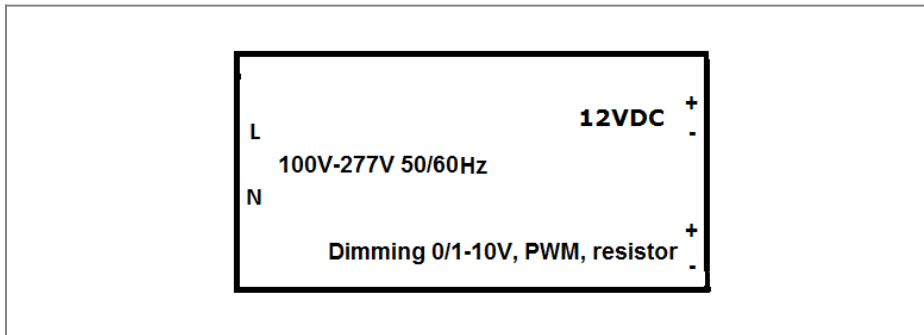
Output voltage fully loaded: **12VDC**

Max. Total Wattage: **60W**

Max. Output Current: **5A**

Efficiency: **84%**

Load regulation: **0.5%**



EL-ES6012

Class 2 Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

Single Circuit: **12VDC**

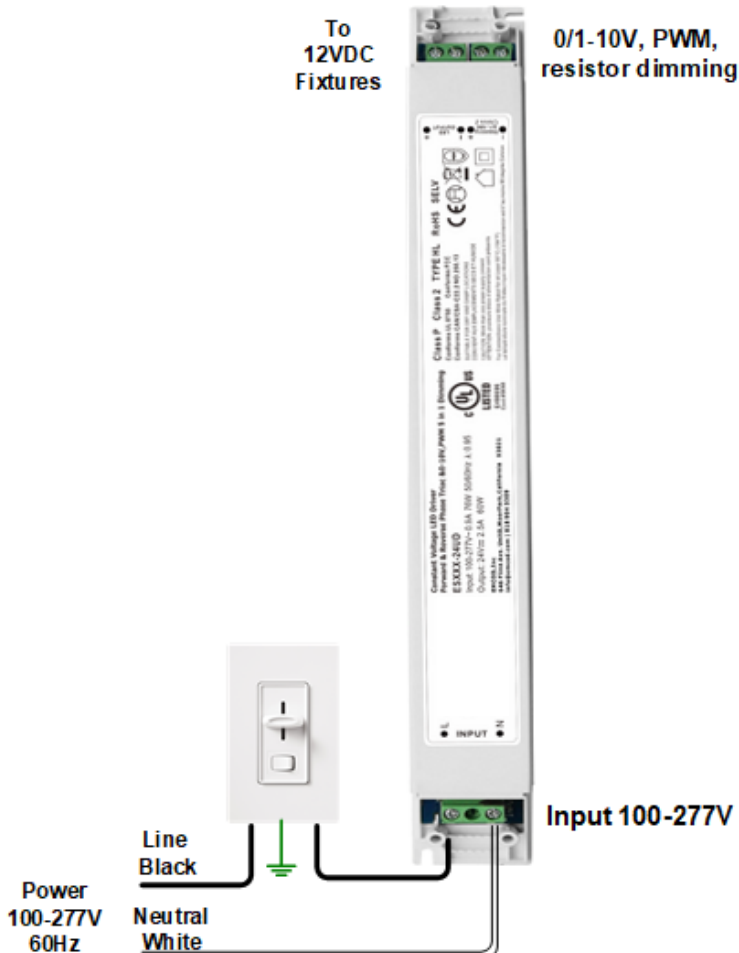
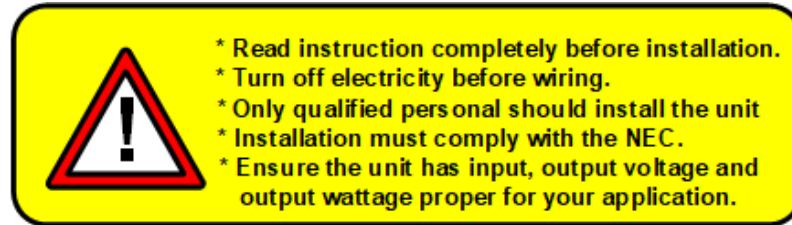
Total Wattage: **60W max**

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



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

Installation Instruction



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-ES10012

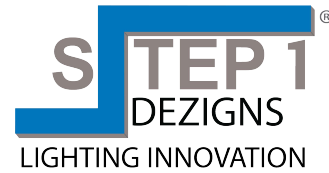
Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

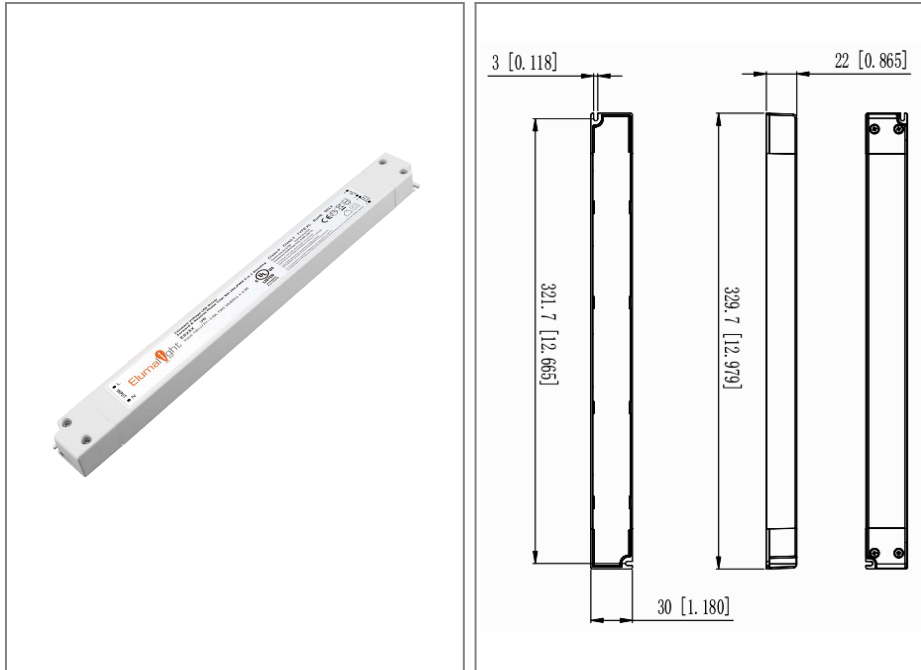
Single Circuit: **12VDC 20kHz PWM**

Total Wattage: **100W 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 100W 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): 0.73

Electrical Parameters

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

Max. input current at full load: **1.4A**

Output voltage without load: **12.1VDC**

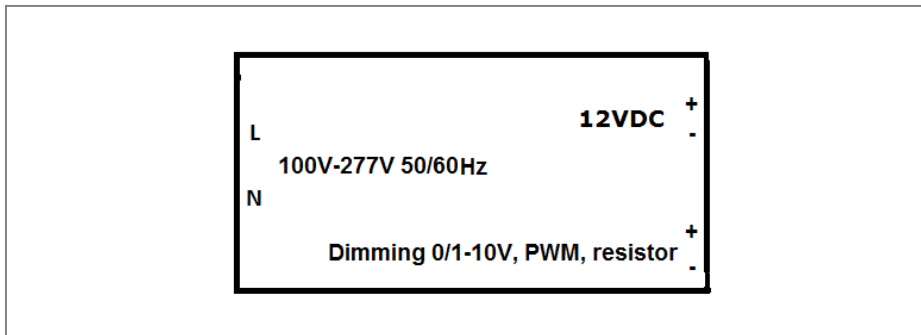
Output voltage fully loaded: **12VDC**

Max. Total Wattage: **100W**

Max. Output Current: **8.3A**

Efficiency: **82%**

Load regulation: **0.5%**



EL-ES10012

Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location

Enclosure

Single Circuit: **12VDC**

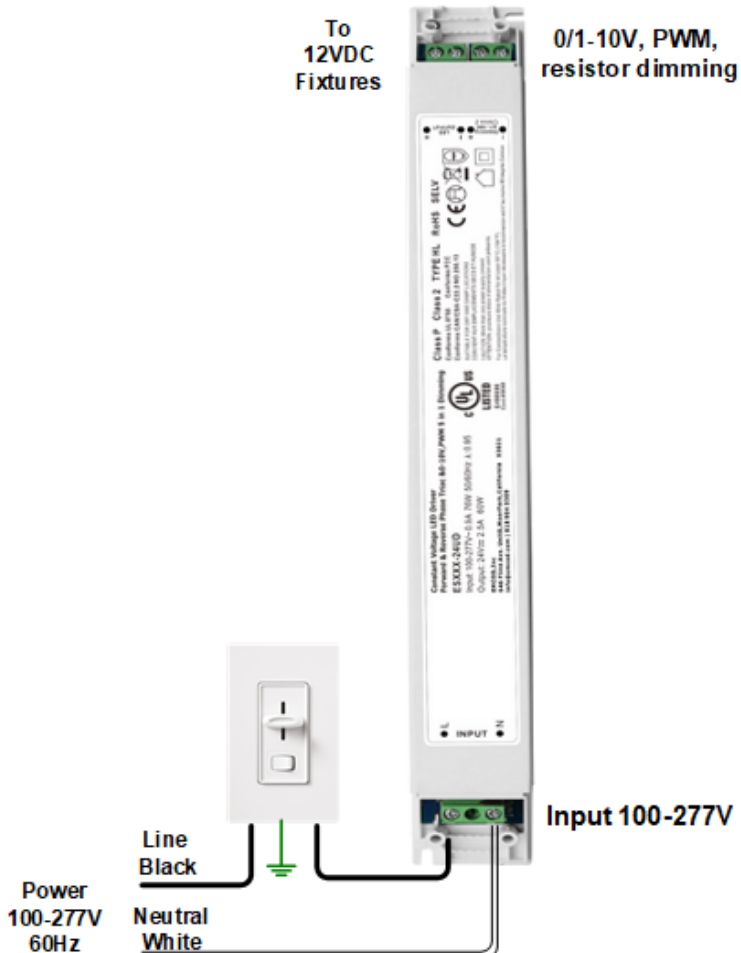
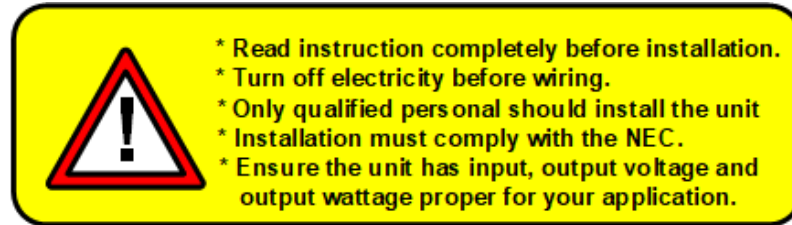
Total Wattage: **100W max**

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.

EL-ES15012

Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

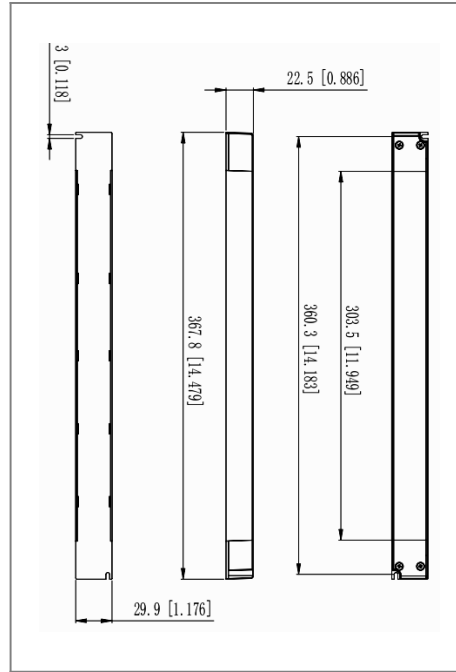
Single Circuit: **12VDC 20kHz PWM**

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: **12.1VDC**

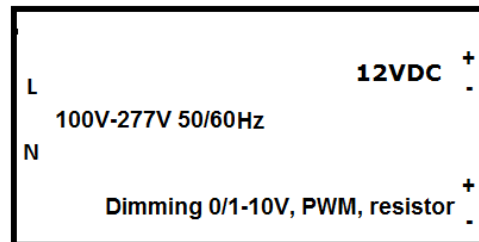
Output voltage fully loaded: **12VDC**

Max. Total Wattage: **150W**

Max. Output Current: **12.5A**

Efficiency: **84%**

Load regulation: **0.5%**



EL-ES15012

Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location

Enclosure

Single Circuit: **12VDC**

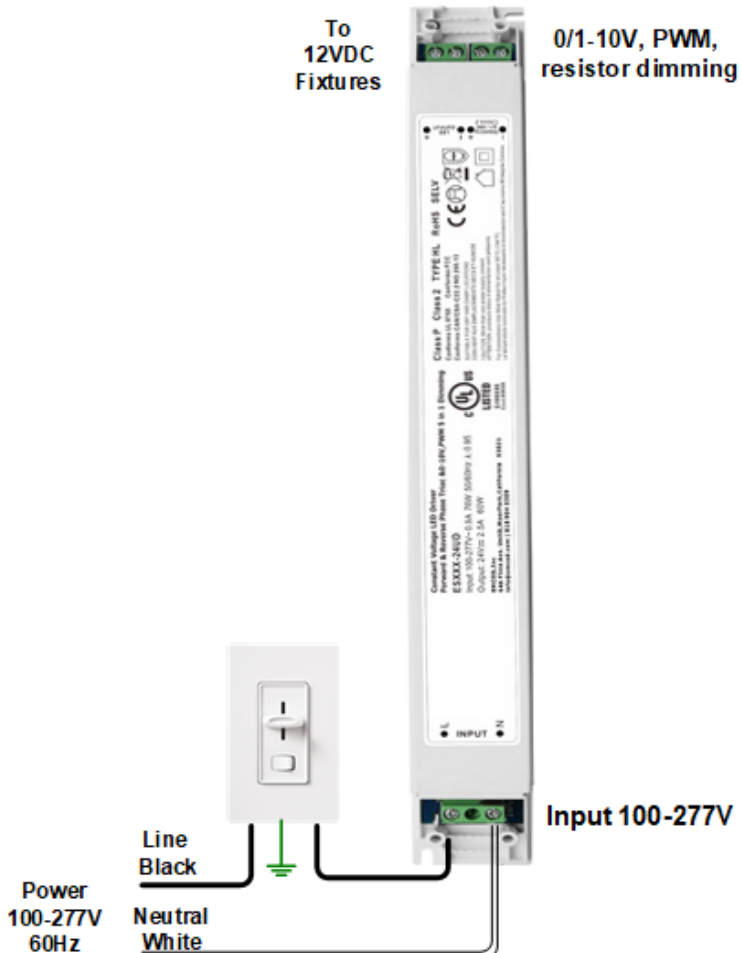
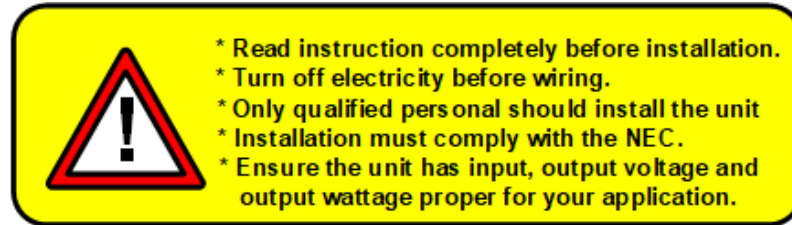
Total Wattage: **150W max**

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.