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

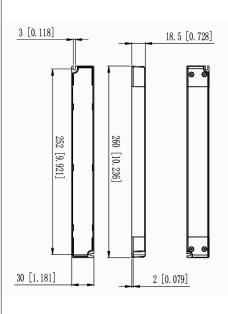
Input Voltage: 100-277V 50/60Hz





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





L 12VDC + 100V-277V 50/60Hz N Dimming 0/1-10V, PWM, resistor + 100V-277V

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%

630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250 Email: Sales@step1dezigns.com Website: step1dezigns.com

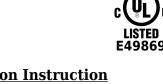
Class 2 Electronic UNIV 5 in 1 dimming

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 № 250.0

Website: step1dezigns.com

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.

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.

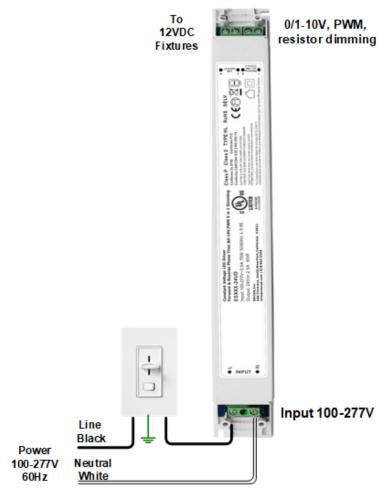
Output Connection

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.



630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250 Email: Sales@step1dezigns.com

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

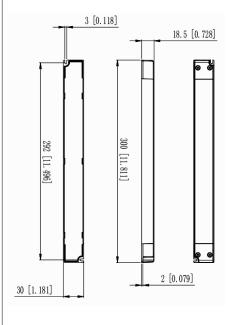
Input Voltage: 100-277V 50/60Hz

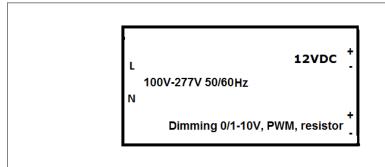




Conforms to UL STD. 8750 and 1310 Certified to CSA STD. C22.2 № 250.0







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%

630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250 Email: Sales@step1dezigns.com Website: step1dezigns.com

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 № 250.0

Installation Instruction



- * Read instruction completely before installation.
- * Turn off electricity before wiring.
- * Only qualified personal should install the unit

output wattage proper for your application.

* Installation must comply with the NEC.

* Ensure the unit has input, output voltage and

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.

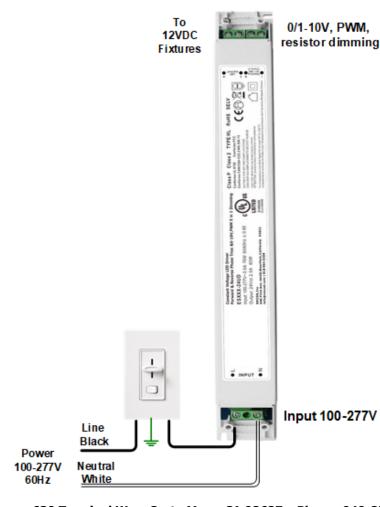
Output Connection

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.



630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250

Email: Sales@step1dezigns.com

Website: step1dezigns.com

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 № 250.0



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

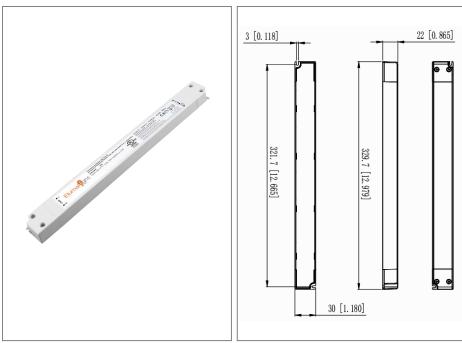
Enclosure Temperature does not exceed 65°C at 45°C ambient and fully

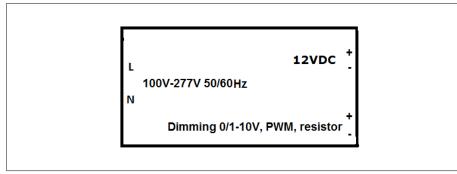
Dimensions (inch): H = 12.7, W = 1.18, D = 0.85

Weight (LBs): 0.73

Electrical Parameters

Inp	ut Voltage:	100-277V 50/60Hz
Ма	x. input current at full load	: 1.4A
Ou	tput voltage without load:	12.1VDC
Ou	tput voltage fully loaded:	12VDC
Ма	x. Total Wattage:	100W
Ма	x. Output Current:	8.3A
Effi	ciency:	82%
Loa	ad regulation:	0.5%





630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250 Email: Sales@step1dezigns.com Website: step1dezigns.com

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 № 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.

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.

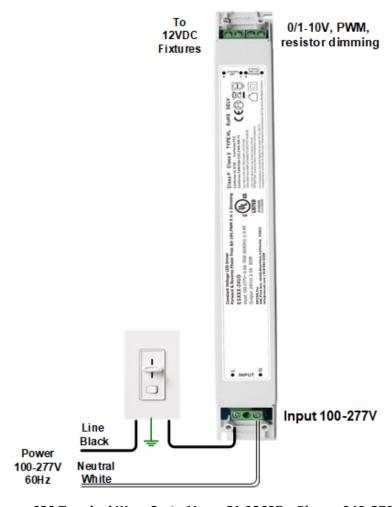
Output Connection

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.



630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250 Email: Sales@step1dezigns.com

s.com Website: step1dezigns.com

Electronic UNIV 5 in 1 dimming

Plastic Suitable For Dry And Damp Location Enclosure

Single Circuit: 12VDC 20kHZ PWM

Total Wattage: 150W max

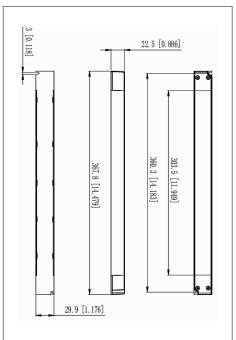
Input Voltage: 100-277V 50/60Hz

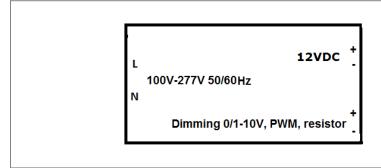




Conforms to UL STD. 8750 Certified to CSA STD. C22.2 № 250.0







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%

630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250 Email: Sales@step1dezigns.com Website: step1dezigns.com

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 № 250.0

Installation Instruction



- * Read instruction completely before installation.
- * Turn off electricity before wiring.
- * Only qualified personal should install the unit

output wattage proper for your application.

- * Installation must comply with the NEC. Ensure the unit has input, output voltage and

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.

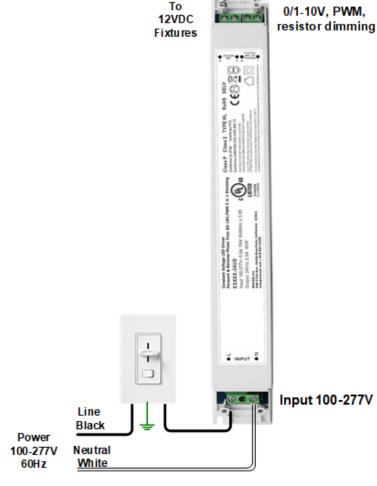
Output Connection

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.



Input 100-277V

630 Terminal Way, Costa Mesa, CA 92627 Phone: 949-270-0250

Email: Sales@step1dezigns.com

Website: step1dezigns.com