



Class P



FEATURES

- Constant voltage output;
- High power factor >0.96(230Vac& full load);
- Universal input voltage 100-277Vac;
- Overall protection: Short circuit / Over temperature / Over voltage / Over load;
- Surge immunity: line-line 5KV, line-earth 10KV;
- IP67, glue potted, suitable for dry / wet / damp locations;
- Ambient temperature:-40C° ~ 60C°
- 5 year limited warranty

DESCRIPTION

Lumens Depot Foam's Constant Voltage LED Driver is designed for reliable performance in landscape and outdoor lighting applications. Engineered with built-in active power factor correction (PFC), it ensures stable and efficient power delivery. This driver includes multiple protection features along with high surge immunity, offering enhanced safety and durability in demanding environments. Its robust design supports long-term reliability and extended operational life.

MODELS

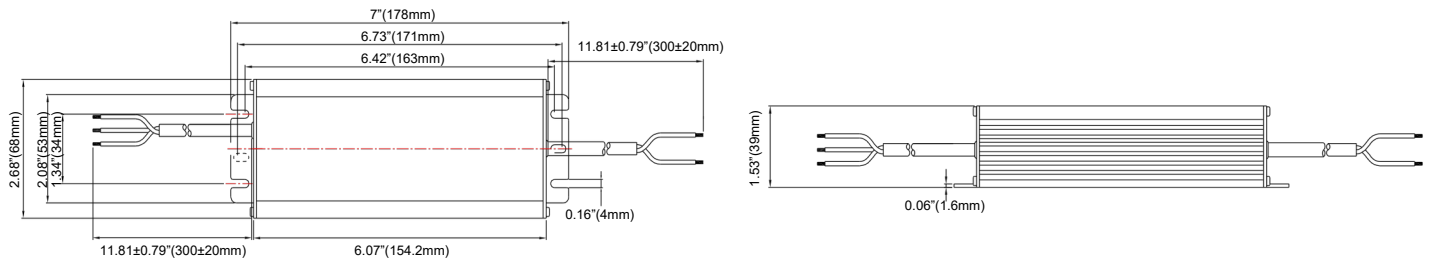
Max Output Power(W)	Output Voltage Range(Vdc)	Output Current Range(A)	Output Mode	Typical Efficiency	Power Factor	
					115Vac	230Vac
100	12	0~8.33	CV	91%	0.99	0.96
100	24	0~4.17	CV	91%	0.99	0.96

NOTES : All performance parameters are measured at 25°C ambient temperature, 230VAC input, full load conditions, except for those specified

PROTECTIONS

Parameter	Notes
Over Temperature Protection	When the Tc is over 90°C, the driver shuts off automatically and enters protection status.
Short Circuit Protection	The input power shall decrease when the output rail short, the power supply shall not be damaged.
Over Current Protection	The product will enter hiccup status when 1.1-1.5 maximum load current applied to the output, and the product shall be self-recovery when the fault condition is removed.
Over Voltage Protection	When the output voltage is over 1.1-1.3 Rated Load Voltage, the driver shuts off automatically and enters protection, the driver will work after fault condition removed and AC input reapply.

DIMENSIONS



INSTALLATION

⚠ Before you begin, determine your channel letter module mounting method. ⚠
READ THESE INSTRUCTIONS COMPLETELY AND CAREFULLY.

PREPARE ELECTRICAL WIRING

- Acceptable for use in dry, damp and wet locations.
- Follow all National Electric Codes (NEC) and local codes.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- Ensure applicable wire is installed between driver, fixture, and any controls in between.
- When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.).
- Inadequate wire installation could overheat wires, and cause a fire.
- Do not install if product has any visible damage.
- Do not modify or disassemble this product beyond instructions or the warranty will be void.

RISK OF ELECTRICAL SHOCK

- Turn power off before inspection, installation or removal.
- Properly ground power supply.

RISK OF FIRE

- Use only UL approved wire for input/output connections.
- Minimum wire size 18 AWG
- Follow all NEC and local codes.

SHOCK HAZARD. ⚡

- May result in serious injury or death.
- Turn off power at the circuit breaker before installing

TOOLS REQUIRED:



Tape Measure



Electric Drill



Wire Cutter



Wire Nut

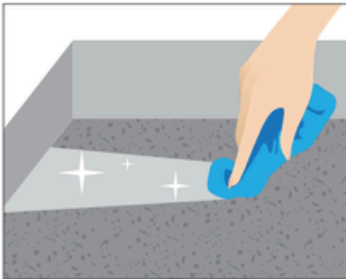


Electrical Tape

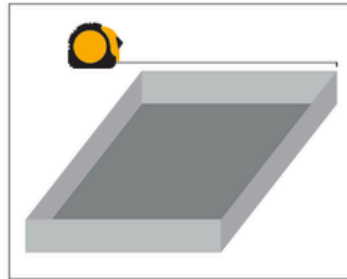


Silicone Gun

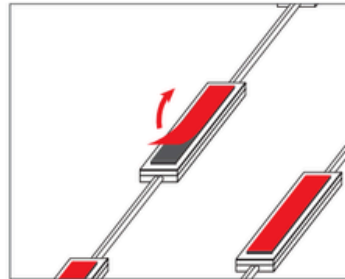
TOOLS REQUIRED:



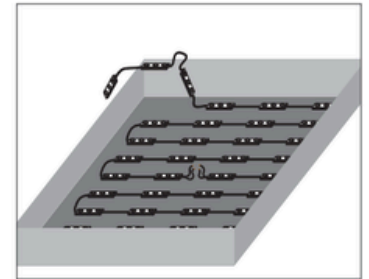
Cleaning without leaving dust.



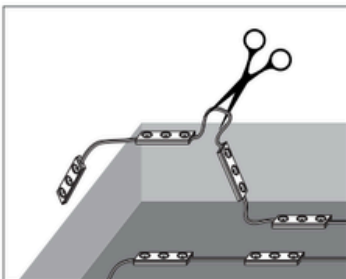
Measure and calculate for how many need LED module put in.



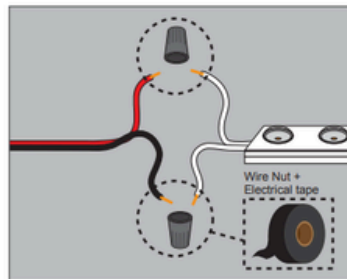
Remove tape cover.



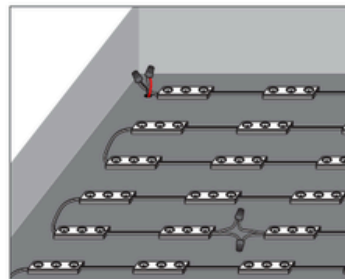
Stick LED modules into place.



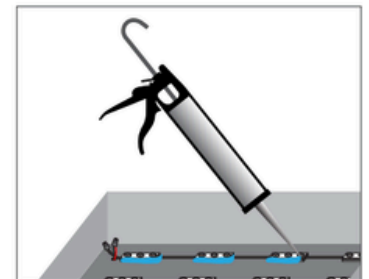
Cut the wire for connect DC power.



Connect DC power with wire nuts and electrical tape.



Last check before silicone.



Siliconing.