Constant Voltage LED Power Supply- Class 2

CV244-120-277



Overview

Designed for versatility and performance, the Allanson CV244-120-277 Constant Voltage LED Power Supply provides a stable 24V DC output across a wide 120–277V AC input range. With a maximum power of 96W, this unit meets UL Class 2 and Class P standards, ensuring safe and reliable operation in demanding lighting applications. Built-in advanced protection and suitability for dry and damp locations make it a dependable solution for commercial installations, backed by a 5-year warranty.

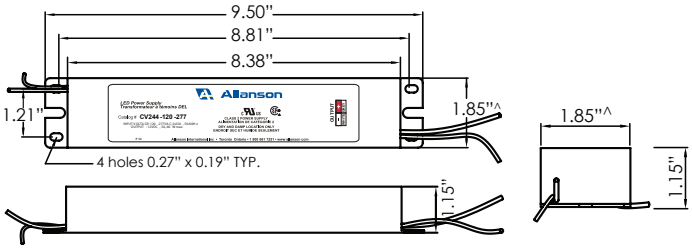
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Features

- Single- channel, constant voltage 24V DC output
- Wide input range: 120—277V AC
- Advanced protection: over-voltage, over- current, short- circuit, and over-temperature
- Compatible with all 24V DC LED lighting products
- Safe for use in dry and damp environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number	CV244-120-277
Output Channel	1
Output Voltage	24V DC
Output Current	4.0A
Max. Output Power	96W
Input Voltage	120-277V AC
Input Frequency	50/60Hz
Power Factor	HPF >0.90 @120-277V
Max Input Current	0.95A @120V / 0.46A @240V / 0.40A @277V
Efficiency at Full Load	88% @120V / 89% @240V / 89% @277V
Safety Standard	UL8750, UL879, Class 2, Class P, Type HL, CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC	FCC 47CFR Part 15 ANSI C63. 4:2009 Class B @120V
Surge Protection	2.5kV for combination wave/ ring wave
UL Environmental Suitability	Dry and damp locations
Operating Temperature	-40°C ~ 60°C / -40°F ~ 140°F
Storage Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Relative Humidity	5% to 95% non- condensing
Net Weight	1.43lbs / 0.65kg
Dimensions (LxWxH)	9.50" x 1.85" x 1.15" 241.0mm x 46.9mm x 28.7mm
Warranty	5 Years

Installation & Operating Instructions

- Do not install with power connected or during an electrical disturbance.
- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Power supply operates at high temperatures. To avoid injury, do not touch while in use. Do not overload the power supply.
- Ensure the power supply position has sufficient airflow. Operating temperature must be within the temperature limit mentioned above.
- In the end application, the maximum case temperature (Tc) shall not be exceeded 90°C.
- All connection must be performed in accordance with NEC and local electrical codes.

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