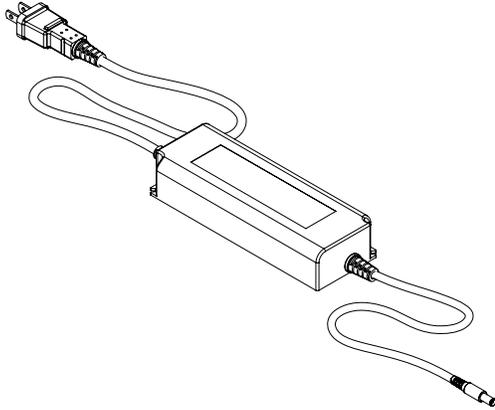


COMMERCIAL GRADE PLUG-IN DRIVER

SPECIFICATION SHEET



OVERVIEW

The newest power supply from Diode LED is the Commercial Grade Plug-In Driver. This uniquely engineered power supply combines the electronics and housing of a heavy duty hard-wired driver with the ease and simplicity of a plug-In adapter making permanent indoor installations quicker and easier. This UL Listed LED Driver is designed to be compatible with our PWM, DMX, and Color Changing Control Systems and is backed by our 5-Year Warranty.

FEATURES & BENEFITS

- Universal AC input / Full range (up to 264VAC)
- High efficiency up to 91%
- Short circuit, over current, over voltage, over temperature protections
- Class II power unit, no FG
- Class 2 power unit
- Fully isolated plastic case
- Fanless design, cooling by free air convection
- No load power consumption <0.15W
- Comply with EISA 2007 DoE and NRCan
- UL Listed LED Power Supply, suitable for dry and damp locations
- 5-Year warranty

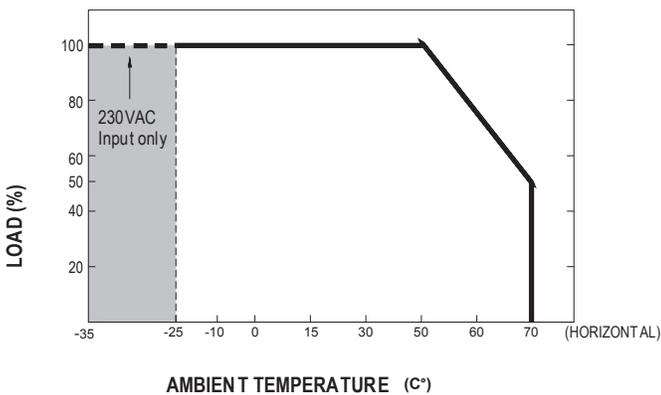
Item #	
Project	

SPECIFICATIONS - 12 & 24VDC Output Models

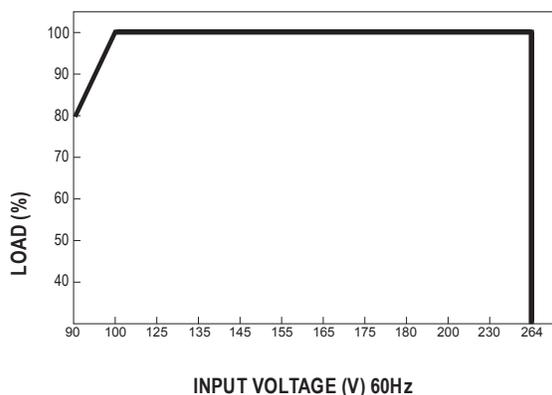
		DI-CV-12V60W-OWA	DI-CV-24V90W-OWA
Input	Voltage	90 ~ 264VAC 127 ~ 370VAC	
	Current	1.2A / 115VAC	0.95A / 115VAC 0.5A / 230VAC
	Frequency	47 ~ 63Hz	
	Efficiency	115VAC 87%, 230VAC 88%	115VAC 89%, 230VAC 90%
	Wire Connection	2 Prong NEMA 1-15p Male AC Plug, see mechanical diagrams for cord length	
Output	Voltage	12VDC	24VDC
	Max. Current	5A	3.75A
	Power (Wattage)	60W	90W
	Wire Connection	Male DC 5.5 x 2.1mm coaxial (outside dia. x inside dia.), see mechanical diagrams for cord lengths	Male DC 5.5 x 2.1mm coaxial (outside dia. x inside dia.), see mechanical diagrams for cord lengths
	# Output Connections	1	
Environment	Operating Temperature¹	-31 ~ +158°F (Refer to "Derating Curve")	-40 ~ +158°F (Refer to "Derating Curve")
	Location	Indoor / dry location only	
	Working Humidity	20 ~ 95% RH non-condensing	
	Class 2 Compliant	Yes	
	Housing / Cooling	Cooling by free-air convection	
Additional Information	Certifications	cULus Listed 8750. CSA C22.2 No.250.13-12	
	Dimmable	Yes, with compatible PWM dimmer. Do not install more than 1 PWM dimmer or color controller per adapter	
	Minimum Load	No minimum load required	
	Maximum Load	Refer to Derating curve for maximum load.	
	Dimensions	5.1x2.1x1.4 in. / 130*53*35mm	6.75x2.5x1.5 in. / 171*63*37.5mm
	Weight	1 lb.	1.8 lb.
	Warranty	Five (5) years	

1. Operating temperature is measured according to the minimum and maximum ambient temperature environment.

DERATING CURVE

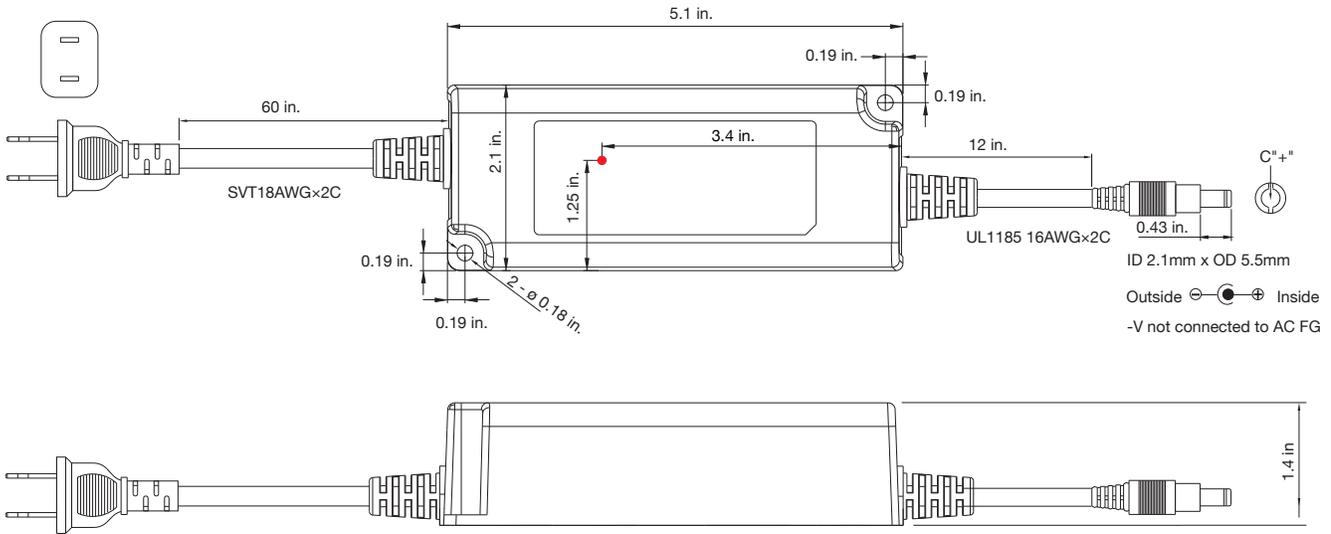


STATIC CHARACTERISTICS

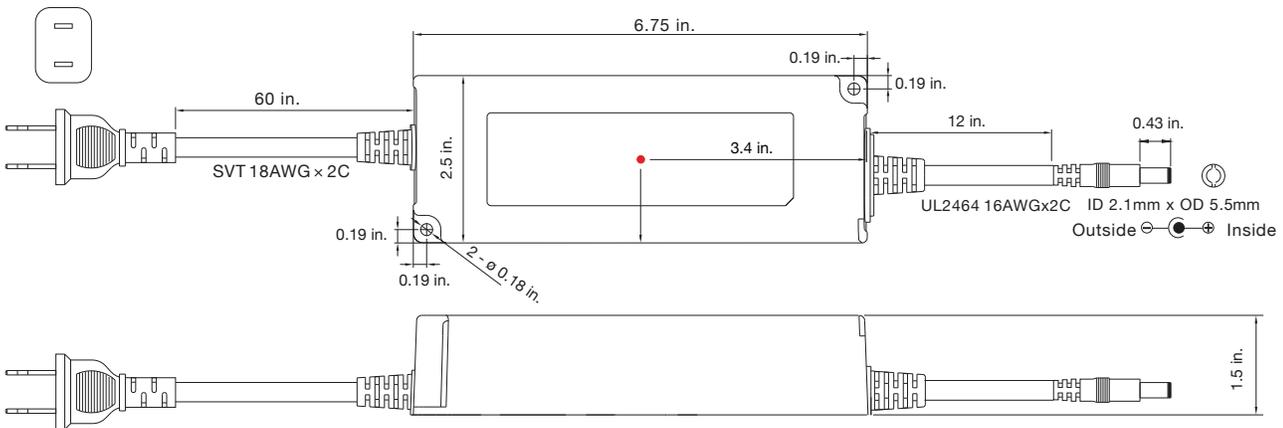


MECHANICAL DIAGRAM

DI-CV-12V60W-OWA

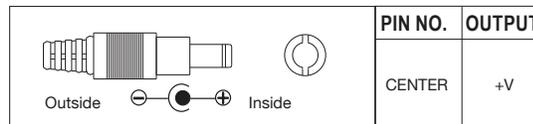
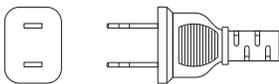


DI-CV-24V90W-OWA



CONNECTIONS

All models : NEMA1-15p male plug



SAFETY / WARNINGS / DISCLOSURES

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. DO NOT modify product beyond instructions or warranty will be void.
4. Turn power OFF at main breaker before servicing or installing this product.
5. Proper heat dissipation will prolong the working lifespan of this product. Install in a well-ventilated area free from explosive gases and vapors.
6. Drivers are rated for maximum power output at optimum thermal and voltage conditions. Please refer to the derating curve for maximum load ratings.
7. Ensure a compatible LED fixture with the correct operating voltage is installed with this product.
8. Suitable for dry and damp locations.
9. To compensate for voltage drop, ensure applicable gauge in-wall rated wire is installed between driver and LED fixture.

WARRANTY

Limited Warranty

This product has a five (5) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.DiodeLED.com under the 'Tools & Resources' tab. For warranty related questions please contact product support.

Consumer's Acknowledgment

Diode LED stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Diode LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Diode LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Diode LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Diode LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Diode LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Diode LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.



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Toll Free: 877.817.6028 | Fax: 415.592.1596 | www.DiodeLED.com | info@DiodeLED.com