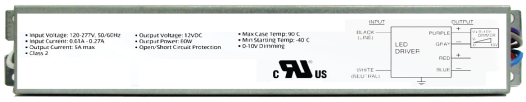
0-10V DIMMABLE DRIVER

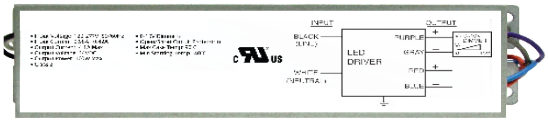
SPECIFICATION SHEET

12V 60W Driver



Specified Item #	
Project	
Location	

24V 100W Driver



RoHS Compliant

SPECIFICATIONS

		DI-DM-12V60W-0-10V	DI-DM-24V100W-0-10V
Input	Voltage / Frequency	100-277VAC~ at 50/60Hz	
	Current (Full Load)	0.61A (120V~); 0.27A (277V~)	0.98A (120V~); 0.42A (277V~)
	Efficiency / Power Factor (max)	83.7% / >0.95 (120V~277V)	87% / >0.95 (120V~277V)
	Wire or Terminal Connection	5.9 in. 18 AWG 600V/105C tinned stranded leads. Driver must be grounded.	
Output	Voltage (Full Load)	12VDC ± 5%	24VDC ± 5%
	Max Current (Full Load)	0.5 ~ 5.0A	0.41 ~ 4.1A
	Power (Wattage) [1]	60W	100W
	Wire or Terminal Connection	To LED load: 5.9 in. 18 AWG 600V/105C tinned stranded leads. To 0-10V control/dimmer: 9.8 in. 18 AWG 600V/105C tinned stranded leads.	
	# Output Connections	1	
Environment	Ambient Temperature [2]	-40 ~ +122°F (-40 ~ +50°C)	
	Operating Temperature [3]	-40 ~ +194°F (-40 ~ +90°C)	
	Location	Suitable for outdoor / wet location / IP66	
	Class 2 Compliant	Yes	
	Housing / Cooling	Cooling by free-air convection.	
Additional Information	Total Harmonic Distortion (THD)	<10% (Max)	
	Safety Standards	UL & cUL (US & Canada) Recognized, UL # E332747. UL Class 2 1310 driver. FCC Title 47 CFR Part 15. Compliant for commercial use.	
	Protections	Open circuit protected. Short circuit protected.	
	Dimmable [4]	Yes. May be paired with a compatible 0-10V control / dimmer. Dimming range: 100-10% (max).	
	Dimensions	9.50 x 1.70 x 1.14 in. (L x W x H)	9.50 x 2.40 x 1.46 in. (L x W x H)
	Weight	1.32 lbs.	1.98 lbs.
	Warranty	5 years	

Note [1] It is recommended to load the driver no more than 80% its max load rating for maximum longevity.

Note [2] Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.

Note [3] Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.

Note [4] Only compatible with 0-10V controls. See the '0-10V Dimmable LED Driver Installation Guide' for a list of compatible controls. Do not connect to high voltage controls/dimmers.

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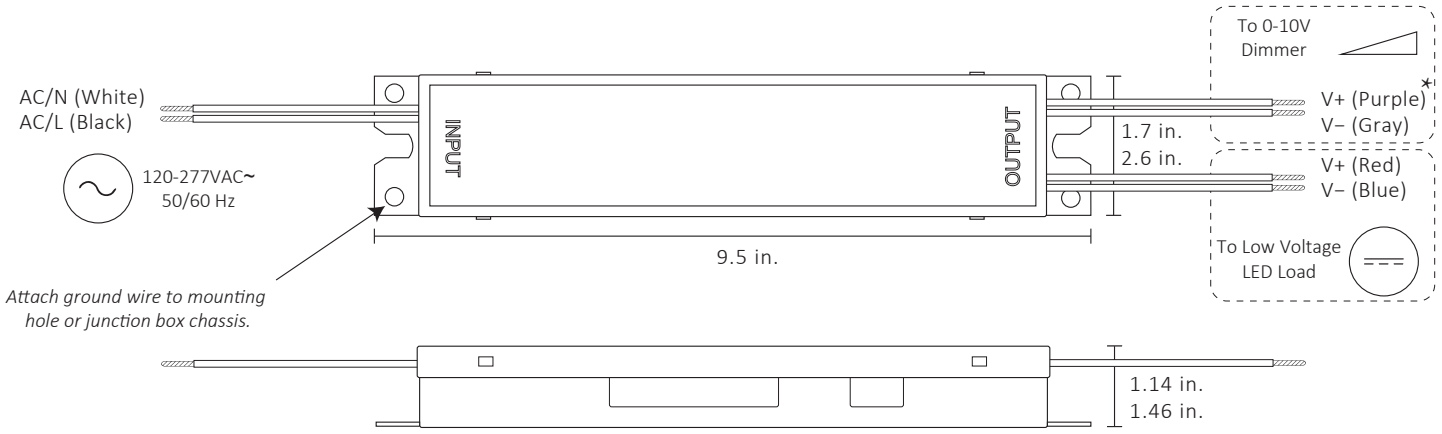
MECHANICAL DIAGRAM



** Commercial Grade 0-10V drivers will utilize Blue(+) and White (-) dimming wires*
*See the '*0-10V Dimmable LED Driver Installation Guide*' for system diagrams and compatible controls.*

SAFETY & WARNINGS

- Turn power OFF at the main breaker before servicing or installing this product.
- This driver must be installed in accordance with Article 450 of the National Electric Code, and local regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- This driver must be grounded.
- Install in a well-ventilated area free from explosive gases and vapors.
- Only install compatible LED dimmable fixtures.
- Only install compatible 0-10V dimmers/controls. See the '0-10V Dimmable LED Driver Installation Guide' for a list of compatible controls.
- It is recommended to load the driver no more than 80% its max load rating for maximum longevity.
- 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 fire.
- Do not modify or disassemble this product or the warranty will be void.

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 customer service.

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 right 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 acknowledgement that the products purchased are designed and configured correctly. The purchaser 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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