



0-10V DIMMABLE 96W VW/WD DRIVER

The 0-10V Dimmable 96W VW/WD Driver provides smooth, flicker-free dimming down to 0.1%. Compatible with standard 0-10V dimming systems, this UL Listed 24V Class 2 driver features a built-in junction box. It is engineered for optimal use with Warm Dim (one dimmer) and Variable White products (two dimmers) where LEDs are tuned for warmth and brightness.

- 0-10V Constant Voltage driver
- 100-277 VAC
- Compatible with 0-10V dimming systems
- For Warm Dim (one dimmer) or Variable White (two dimmers)
- Short circuit, overload, overtemperature protections
- Built-in Power Factor Correction (PFC) function
- Superior flicker-free dimming to 0.1%
- UL Listed Class 2 driver
- UL wet-rated for dry, damp and wet locations
- Built-in junction box
- 7-year warranty



SPECIFICATIONS

Wattage	96 W
Input Voltage	100-277 VAC
Max. Input Current	1.2 A
Inrush Current	28 A, 320us @ 50% inrush peak 120 VAC / 58A, 260us @ 50% inrush peak 277 VAC
Frequency Range	50/60 Hz
THD	≤ 15%
Efficacy	88% @ 120 VAC (full load) / 90% @ 277 VAC (full load)
PF	> 0.95 (full load)
Rated Output Voltage	24 V
Output DC Voltage	24-26 V (adjustable by NFC)
Output Current	4 A
Protection	Short circuit, overload, overtemperature protections with auto recovery
Dimming Type	0-10 V / PWM (4000 Hz)
Dimming Range	0.1-100%
Channel	2
Flicker	Flicker free
Operating Temperature	-40 — 104 °F (-40 — 40 °C)
Storage Temperature	-40 — 176 °F (-40 — 80 °C), 20-95% RH
Environmental Rating	UL wet-rated for dry, damp and wet locations
Dimensions (LxWxH)	9.49 x 4.92 x 1.68 in. / 241 x 125 x 42.7 mm
Package Dimensions (LxWxH)	12.01 x 10.31 x 11.14 in. (305 x 262 x 283 mm)
Weight	3.81 lb (1.73 kg)
Casing	Metal
Safety Standard	UL8750; CAN/CSA-C22.2 No. 250.13
Warranty	7 years

ORDERING GUIDE

PART NUMBER

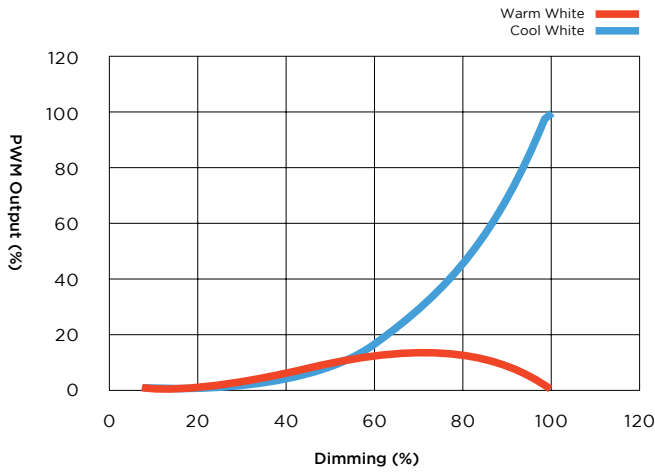
DRVW2496VWWD

DRVW2496VWWD - 0-10V Dimmable 96W VW/WD Driver

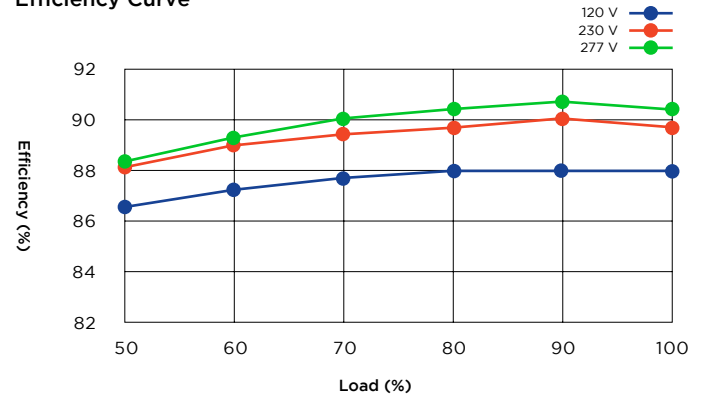
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PERFORMANCE CURVES

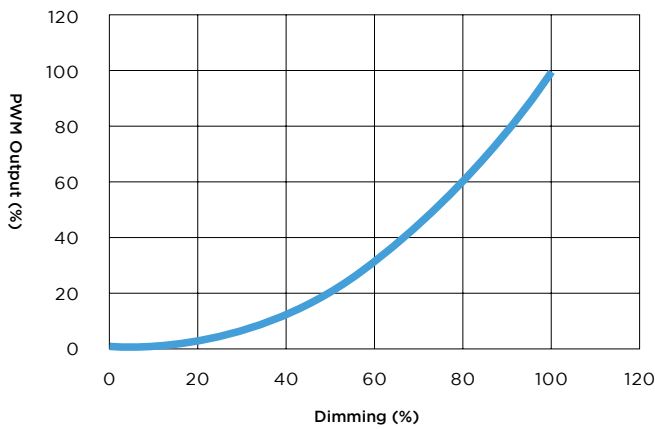
Color Temperature Curve (Warm Dim)



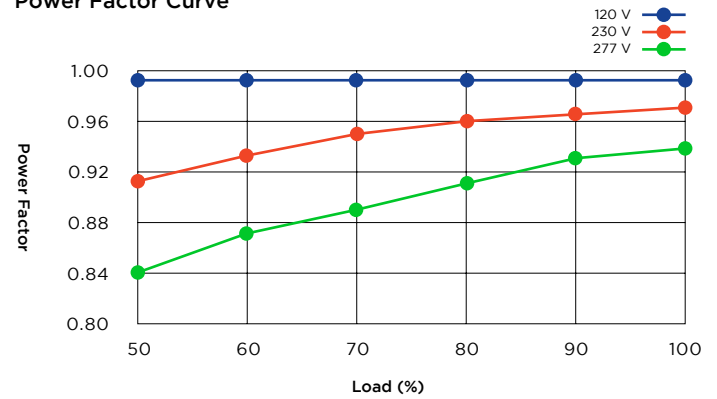
Efficiency Curve



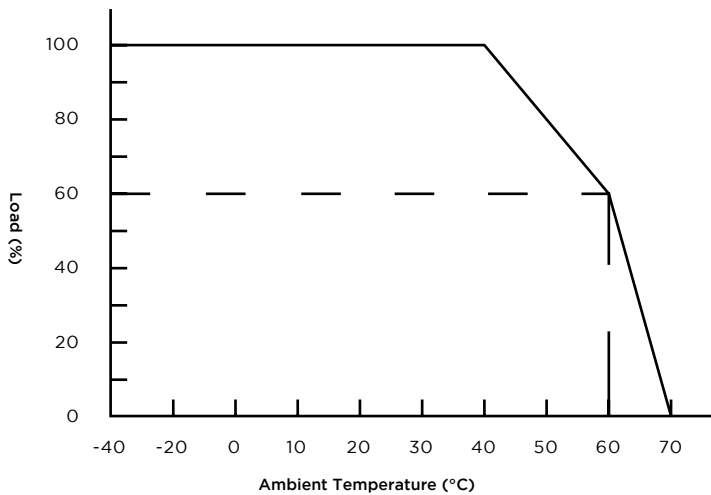
Dimming Curve (Warm Dim)



Power Factor Curve



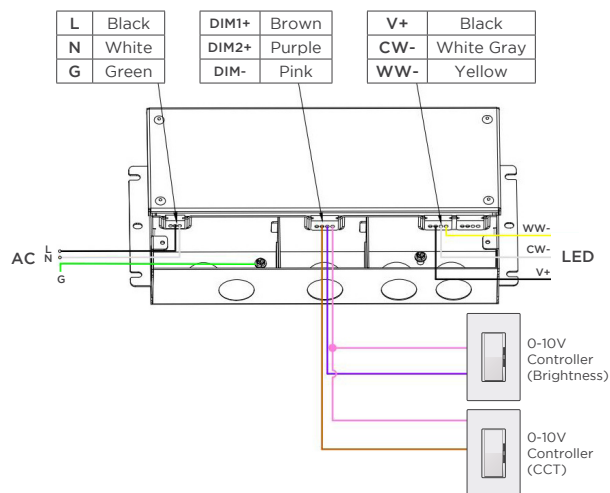
Derating Curve (Warm Dim)



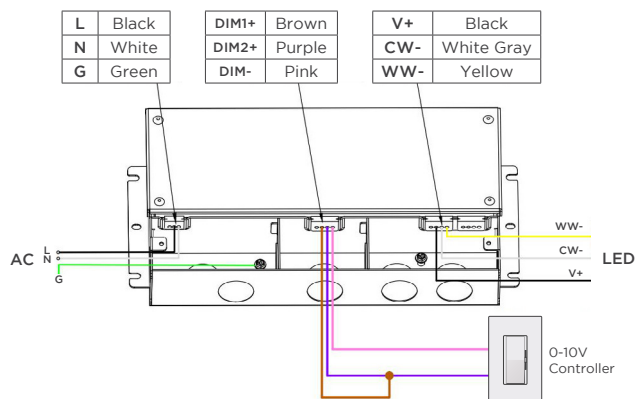
1. To extend the operating life of the power supply, please refer to the Derating Curve and derate according to the temperature.
2. The output current of the LED driver should be selected according to the rated current of the lamp and the ambient temperature. Normally, we recommend the power supply to reserve a certain amount of load to extend the operating life of the power supply.

WIRING DIAGRAM

VARIABLE WHITE

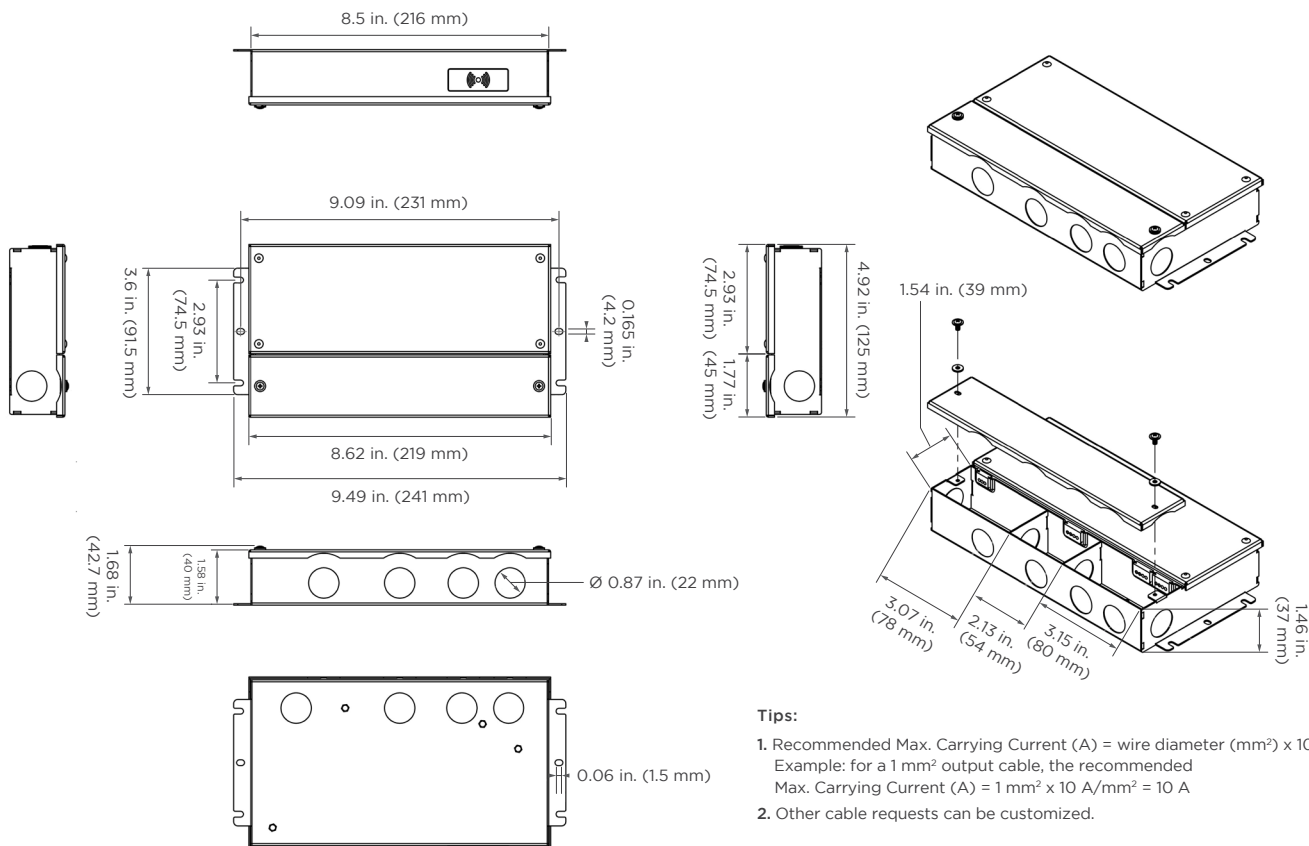


WARM DIM



DIMENSIONS

L x W x H: 9.49 x 4.92 x 1.68 in. / 241 x 125 x 42.7 mm



Tips:

1. Recommended Max. Carrying Current (A) = wire diameter (mm²) x 10 A/mm
Example: for a 1 mm² output cable, the recommended Max. Carrying Current (A) = 1 mm² x 10 A/mm² = 10 A
2. Other cable requests can be customized.

NOTE: To prevent exposure to the maximum allowable temperatures for these drivers, the suggested installation spacing between drivers is at least 4 in. (101.6 mm) side-to-side when the distance to the sidewall and top of the enclosure is 2 in. (50.8 mm). When the distance to the sidewall and top of the enclosure is 6 in. (152.4 mm), maintain at least 2 in. (50.8 mm) side-to-side spacing between drivers. Drivers should be placed at a minimum of 1 in. (25.4 mm) apart when arranging them end-to-end regardless of the enclosure size.

NFC FUNCTION

Adjust output voltage slightly by NFC:

The output voltage can be read and written by a mobile device with the ProNFC app or an NFC device (NFC read and write device: NFC-RW) held close to the NFC signal area of the dimmable power supply.

NFC Voltage Regulation Level									
Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	Level 10
24 V	24.2 V	24.4 V	24.7 V	24.9 V	25.1 V	25.3 V	25.6 V	25.8 V	26 V

Set address easily by NFC:

The address can be read and written by a mobile device with the Set NFC App or an NFC device (NFC read and write device: NFC-RW) held close to the NFC signal area of the dimmable power supply.



ProNFC App



NFC device

APP DOWNLOAD



IOS



Android

IMPORTANT INSTALLATION NOTES

1. This driver should be installed by a qualified professional.
2. Confirm the rated input voltage of the power supply is within the market voltage range before use.
3. Pay attention to the distinction between the input and output lines of the power supply to avoid power supply damage or unnecessary accidents caused by connecting to the reverse line.
4. DO NOT stack power supplies during installation. The distance between power supplies should always be 4 in. (100 mm) or more. DO NOT install multiple power supplies in overly narrow spaces (distribution boxes, etc.).
5. The operating temperature should be less than 130 °F (55 °C). To extend the service life of the power supply, make sure the driver is installed with adequate ventilation to allow for heat dissipation. Overheating conditions will gradually shorten the service life of the power supply.
6. DO NOT use abnormal loads. Overloading can damage the power supply, while extremely light loads can cause the power supply to malfunction.
7. To ensure safety and reduce interference, make sure the grounding wire is reliably grounded.
8. Ensure wiring is correct before testing to avoid damage to LEDs and/or power supplies.
9. If the power supply does not work properly, contact your supplier. DO NOT attempt to repair it yourself.