



VersaDrive 0-10V Specification Sheet

Electronic Constant Voltage
0-10V Dimmable LED Driver
with Auxiliary Output

Key Features

- PWM Output for consistent performance with different types of LED tape
- 22VDC Aux Output (powers accessories that operate between 12VDC and 24VDC)
- Current Limiting Overload Protection
- UL8750, Class 2

Specification Overview

- 0-10V Dimming
- Smooth flicker-free dimming down to 1%
- 96W Output Power
- Universal input voltage 120 to 277VAC
- Constant Voltage 24VDC output
- IP21 Dry or Damp Location
- 5-year warranty

ORDERING INFORMATION

Part Number	Description
VA01096R24DC	VersaDrive 0-10V, 96W, 24VDC, 120-277VAC, 0-10V Dimming, 22VDC Aux Out

STD	HD	COB
✓	✓	✓

Tape Compatibility Chart

ENCLOSURE DETAILS

Dimensions	Material	Finish	Environmental
7.4" W x 1.1" H x 1.7" D (188mm x 29mm x 43mm)	Aluminum	Powder Coat	IP21, Dry or Damp Location

120-277V

24VDC

SELV

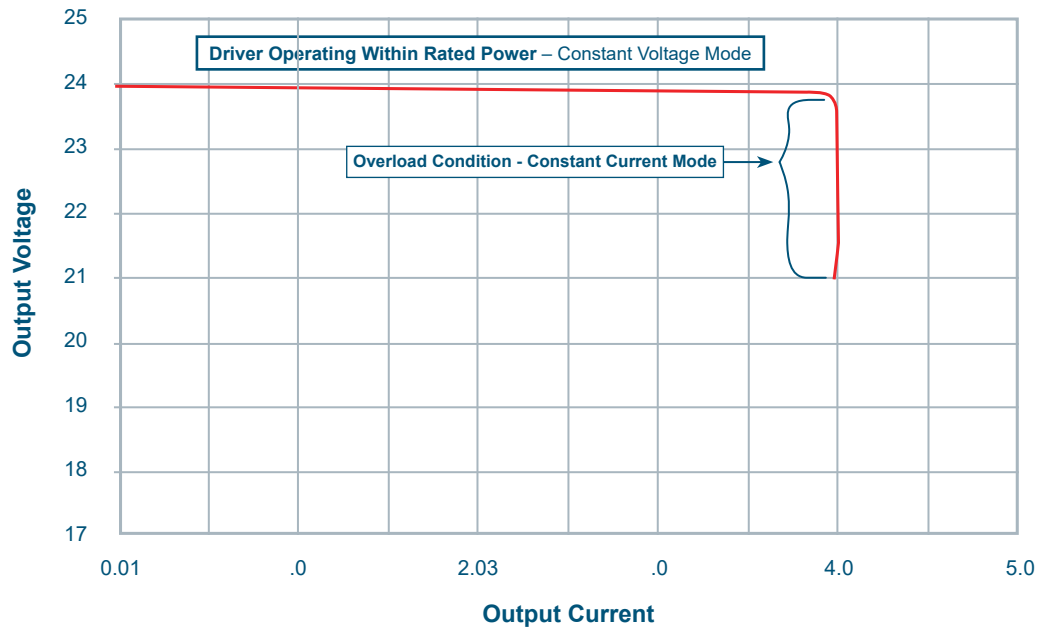
CLASS 2



SPECIFICATIONS

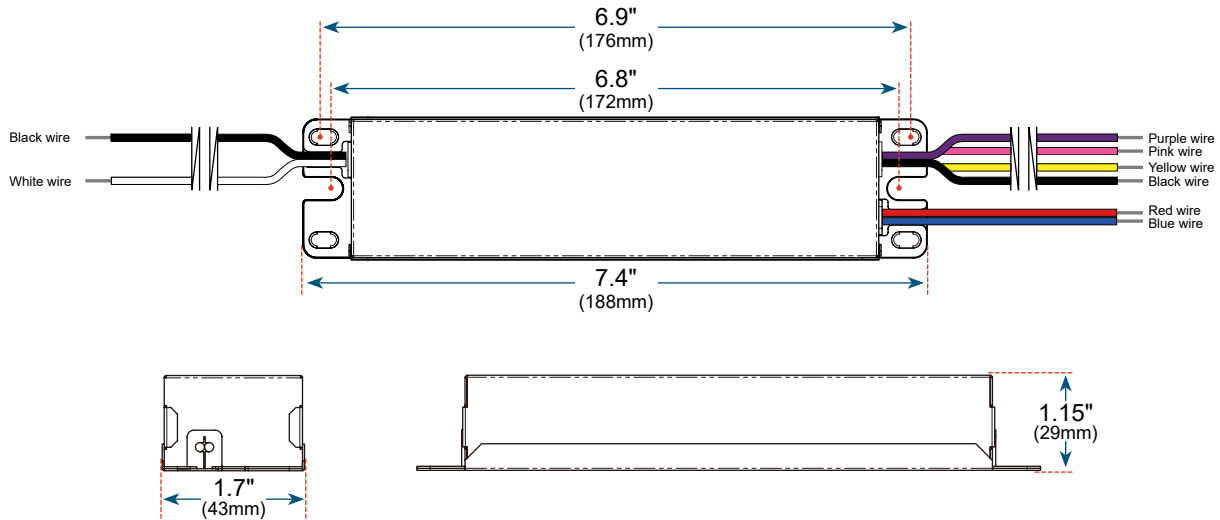
Input	
Input Voltage Range	120 to 277VAC $\pm$ 10%
Input Frequency	50 / 60Hz
Input Current	1.14A @ 120V, 0.51A @ 277V
Inrush Current	80A @ 277V
Efficiency	84% @120V, 85% @ 277V
Power Factor	> 0.94 @ Max Load
THD	< 20% @ Max Load
Output	
Output Voltage	24VDC Constant Voltage
Max Load	96W
Output Current @ Maximum Load	4.0A
Output Dimming Method	PWM
Flicker	California Title 24 / JA8
Output Ripple (Peak-to-Peak)	< 9%
Line Regulation	$\pm$ 5%
Load Regulation	$\pm$ 5%
Turn On Delay Time	< 0.5 sec
Auxiliary Output Voltage	22VDC up to 200mA (powers accessories that operate between 12VDC and 24VDC)
Environmental	
Ambient Operating Temperature	-40°C to 60°C / (-40°F to 140°F)
Maximum Case Temp. (Tcase)	90°C (194°F)
Storage Temperature	-40°C to +85°C / (-40°F to 185°F)
Enclosure	IP21, Dry or Damp Location
Expected Lifetime	$\geq$ 85,000 hrs @Tc $\leq$ 60°C
Dimming	
Dimming Style	0-10V
Minimum Dimming Level	1% w/ Dim to Off
Minimum Load for Dimming	8W
Dimming Curve	Linear
Compliance	0-10V ANSI C137.1
Protection	
Over Voltage Protection	Yes
Over Temperature Protection	Yes / Auto-Recovery
Overload Protection	Yes / Current Limit
Short Circuit Protection	Yes / Hiccup Mode Auto-Recovery
Approval Markings & Certifications	
Listing	UL8750 Recognized
Certifications	Class 2
Compliance	FCC

CURRENT LIMITING OVERLOAD PROTECTION



- With VersaDrive, installers and designers can use LED lighting loads that match it's full rated power. No derating is required
- VersaDrive's current limiting protection avoids the problem of unwanted flashing or shut down due to the LED driver being at or near it's maximum rated output
- This protection feature makes slight reduction to the output voltage, but the current stays constant. It's the same effect as barely dimming the output to stay at the rated power
- The driver will not shut down upon an overload condition; no blinking lights and no driver resets

MECHANICAL DIAGRAMS



WIRING DIAGRAM

