DVML Series

Constant Voltage Power Supply Specifications

Project_____

Date_____ Type_____

100W 60W/75W/96W 20W/40W

Voltage 120 VAC | Voltage 12 or 24 VDC Available | NEMA 3R | TRIAC Dimming | 3 yr WARRANTY

Available Models[1]

12 VDC Output	24 VDC Output
☐ DVML-20W-U12V-T	☐ DVML-20W-U24V-T
☐ DVML-40W-U12V-T	☐ DVML-40W-U24V-T
☐ DVML-60W-U12V-T	☐ DVML-60W-U24V-T
☐ DVML-75W-U12V-T	☐ DVML-75W-U24V-T
☐ DVML-100W-U12V-T	☐ DVML-96W-U24V-T

Part Number Breakdown

Example: DVML-96W-U24V-T

Series	Output Wattage		Input Voltage	Output Voltage	Dimming
DVML [DiodeDrive, Constant Voltage, Metal, Nema 3R]	**20W** [20W] **40W** [40W] **60W** [60W] **75W** [75W]	**100W** [100W]	**U** [120 VAC]	**12V** [12 VDC]	**T** [TRIAC]
		96W [96W]		**24V** [24 VDC]	

Overview

This DiodeDrive Dimmable LED Constant Voltage Power Supply has a compact magnetic transformer core for installation in tight spaces. The integrated auto-reset input and output circuit breakers protect the LED load and the power supply. The metal NEMA 3R enclosure is suitable for indoor or outdoor use. Its built-in junction box has two 1/2-inch knockouts (four on the 100W model), and its removable panel allows easy pigtail wiring access. The optional 6-foot power cord has a 5-15P plug.

Features

- NEMA 3R housing with enclosed wiring compartment
- Integrated auto-reset circuit breakers guard driver and load
- Compatible with MLV (forward phase, leading edge) dimmers
- Compact, wall-mounted design

Product Details

- NEMA 3R enclosure is suitable for wet locations
- UL Class 2 Power Supply[2]
- 120 VAC input
- 12V or 24V DC output

Certifications and Compliances

- ETL Listed - UL 8750
- Class 2 power supply[2]

c ETL US LISTED Intertek | 2 CLASS 2

Applications

- Home Interiors
- Light Bars
- Sign Lighting
- Stage & Theaters
- Strip Lights
- Trade Shows
- Under-Cabinets

Optional Accessories

☐ 6 ft, 5-15P power cord (POWERCORD)

Warranty

- 3-year warranty

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[1]Contact customer service if interested in other options.
[2]Excluding DVML-75W-U12V-T and DVML-100W-U12V-T

Rev V2.2 Date: 03/05/2025
Specifications are subject to change without notice.

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Specifications

MODEL	DVML-	20W-UxV-T	40W-UxV-T	60W-UxV-T	75W-UxV-T	96W-U24V-T	100W-U12V-T
OUTPUT							
Output Power		20W	40W	60W	75W	96W	100W
Output Voltage (full load)	12 VDC (±5%)	12 VDC					
	24 VDC (±5%)	24 VDC					
Output Voltage (no load)	12 VDC	18.9 VDC	19.5 VDC	19.5 VDC	19.7 VDC	/	19.9 VDC
	24 VDC	35.7 VDC	35.7 VDC	36.5 VDC	37.1 VDC	37.5 VDC	/
Output Current (max)	12 VDC	1670mA	3330mA	5000mA	6250mA	/	8330mA
	24 VDC	830mA	1670mA	2500mA	3125mA	4000mA	/
Output Channels		1					
INPUT							
Input Voltage		120 VAC					
Input Frequency		50/60Hz					
Input Power (Max)		23W	46W	70W	88W	117W	144W
Input Current	12 VDC	210mA	430mA	650mA	810mA	/	1330mA
	24 VDC	190mA	380mA	550mA	690mA	960mA	/
Minimum Load		No dimmer: min. 60%, With dimmer: varies by dimmer					
Efficiency/Power Factor		80%±5% / 0.9					
DIMMING							
Dimming Control		TRIAC (MLV)					
PROTECTIONS							
Auto Reset Circuit Breaker (NOM)	Input	1.75A	1.75A	1.75A	1.75A	1.75A	1.75A
	Output (12V)	3A	7A	8A	13A	/	13A
	Output (24V)	3A	3A	7A	7A	7A	/
ENVIRONMENTAL							
IP Rating		IP24					
NEMA Enclosure Type		NEMA 3R					
Environmental Rating		Suitable for Wet Locations, Weatherproof					
Ambient Operating Temperature		-20 to 70°C (-4 to 158°F)					
SAFETY							
Standards		UL8750, CSA CSA C22.2#250.13					
Thermal Class		NEMA Class B 130°C (266°F)					
Class 2		Yes	Yes	Yes	Yes for 24 VDC	Yes	No
MECHANICAL							
Primary Leads		20AWG	18AWG	18AWG	18AWG	18AWG	18AWG
Secondary Leads	12 VDC	18AWG	18AWG	18AWG	16AWG	14AWG	14AWG
	24 VDC	18AWG	18AWG	18AWG	18AWG	16AWG	16AWG
Housing Material		Steel					

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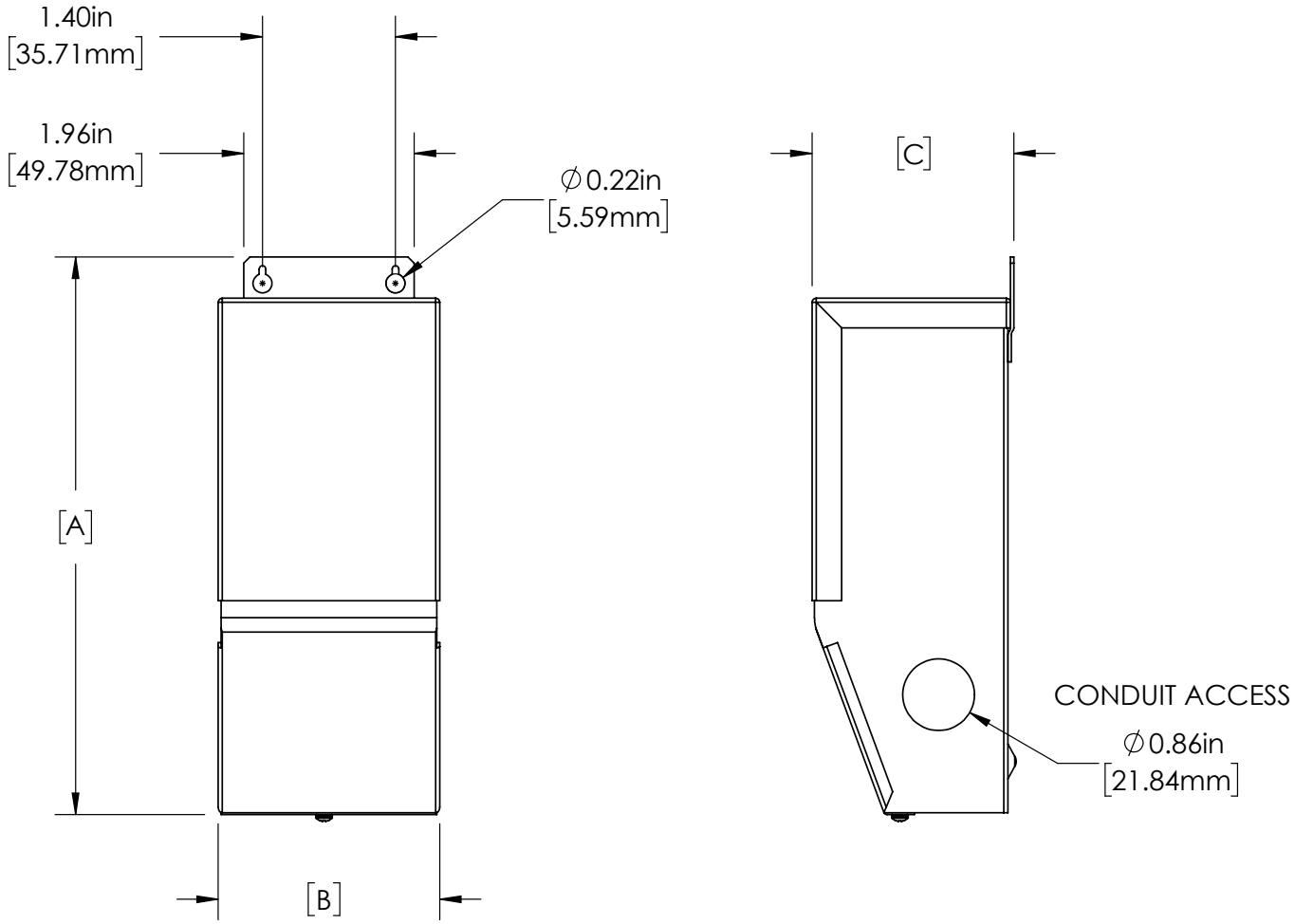
Dimensional Drawings



DVML-	20W-UxV-T	40W-UxV-T	60W-UxV-T	75W-UxV-T	96W-UxV-T
A	5.7 in. [145 mm]		6.8 in. [172 mm]		
B	2.4 in. [60.5 mm]		2.7 in. [68.1 mm]		
C	2.2 in. [54.9 mm]		2.5 in. [62.2 mm]		

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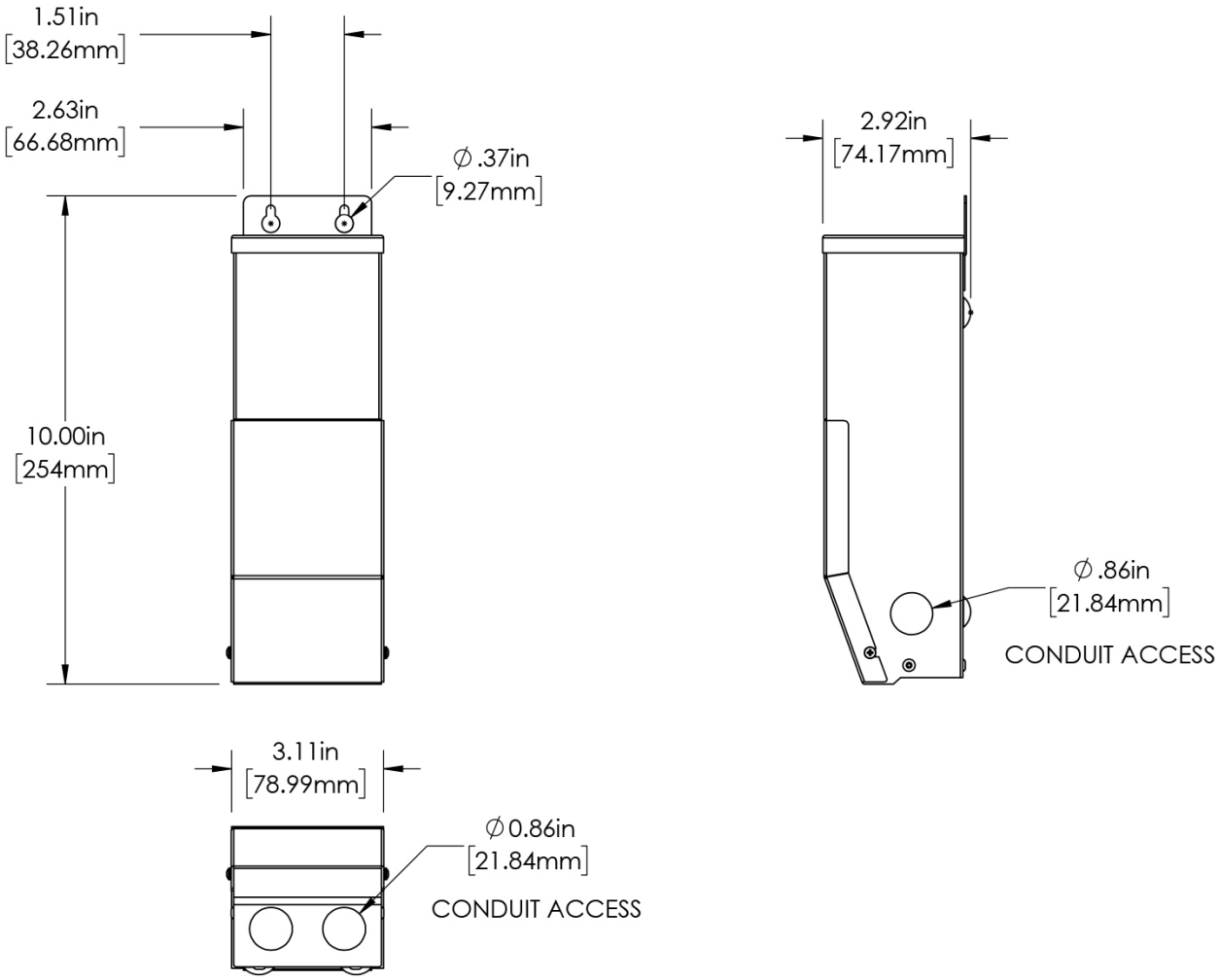
Dimensional Drawings

DVML-100W-UxV-T



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