



D23CC90UNVT-F

UNV Dimmable LED Driver w/ Tuning

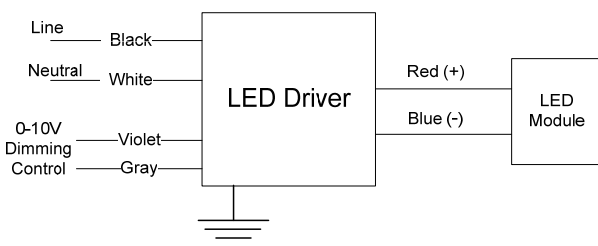
- 2300mA Constant Current Output
- Class 2, 90W Output
- 0-10V Dimming Control



Performance	
Input Voltage	120 ~ 277 Vac
Input Current Max	0.88 /120V 0.38/277V
Input Power Max	100W
Input Frequency	50 - 60 (Hz)
Power Factor	> 0.95
THD max	< 20 %
Output Voltage	18-40V
Output Current	210mA - 2300mA
Output Power	90W
Line Regulation	±3 %
Load Regulation	±5 %

Environmental	
EMI and RFI	Meets FCC part 15 (Class A) Non-Consumer Limits
Minimum Operating Temperature	-40°C (-40°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
tc	85°C (185°F) max
Protection Rating	UL Dry & Damp

Wiring Diagram:



Physical	
Length	9.50 in (241.3 mm)
Width	2.40 in (61.0 mm)
Height	1.55 in (39.4 mm)
Mounting Length	8.89 in (225.8 mm)
Weight (lbs)	2.6
Lead Lengths	
Black, White	8 in
Red(+), Blue(-), Gry, Vio	8 in

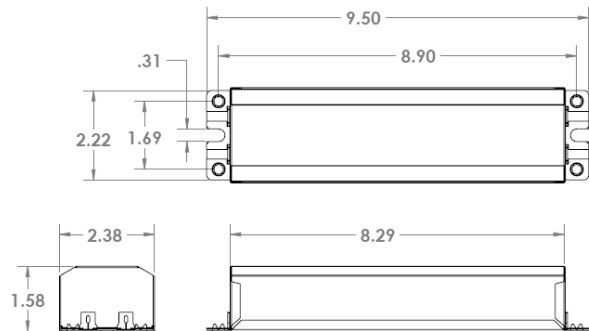
Lead-wires are 18 AWG 90°C /600V solid copper.

Protection

Over voltage, Under voltage, over temp. and short circuit.

Safety:

UL 8750 & CSA 250.13-12





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Programmable Tuned Output Settings

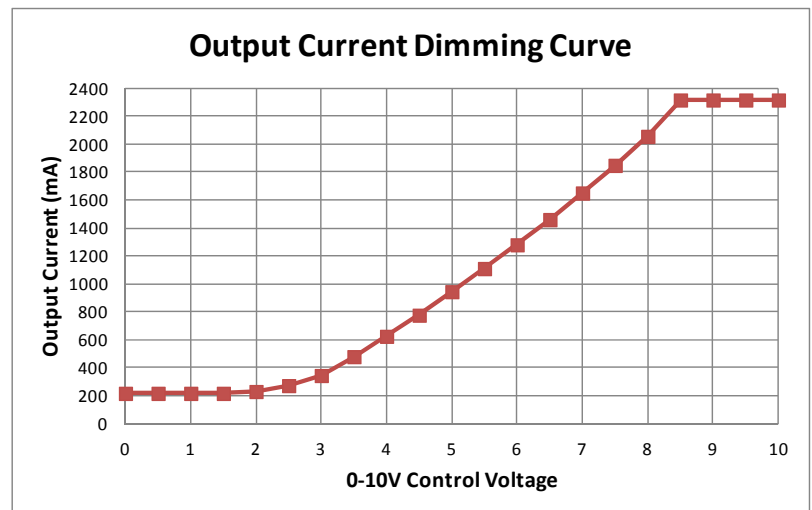
- This Everline LED Driver can be configured to set its current output to a selected fraction of their maximum rated design level. This function is called tuning (or also high-end trim) and it can be implemented with the LDTC01A using the Selector rotary switches. Tuning assignments are stored in driver memory and are not lost when power is removed. All factory produced drivers are tuned to maximum output unless otherwise noted on the label.
- Tuning SET Levels are listed in the table to the right. The SET Level corresponds to an associated Output Current value.
- Refer to application note EVD06 at www.unvlt.com for additional information.
- Actual tuned output current values will be within +/- 3% of current listed in the table

SET Value	Output Current (A)	SET Value	Output Current (A)	SET Value	Output Current (A)
100	2.300	80	1.649	60	1.153
99	2.262	79	1.622	59	1.130
98	2.224	78	1.594	58	1.107
97	2.188	77	1.568	57	1.084
96	2.151	76	1.541	56	1.061
95	2.116	75	1.515	55	1.038
94	2.081	74	1.490	54	1.015
93	2.047	73	1.464	53	0.993
92	2.013	72	1.439	52	0.970
91	1.980	71	1.414	51	0.947
90	1.947	70	1.389	50	0.924
89	1.915	69	1.365	49	0.901
88	1.884	68	1.341	48	0.877
87	1.853	67	1.317	47	0.854
86	1.822	66	1.293	46	0.831
85	1.792	65	1.269	45	0.807
84	1.763	64	1.246	44	0.783
83	1.734	63	1.222	43	0.759
82	1.705	62	1.199	42	0.735
81	1.677	61	1.176	41	0.711
				40	0.683

0-10V Analog Dimming Interface

Analog 0 to 10 vDC Voltage Control

- Use Violet (+) & Gray (-) for connection to 0-10vDC.
- 10v = maximum output, 0v = minimum output
- Driver protected if line voltage is applied.
- Wiring Violet & Gray together provides min. light output.
- Capping Violet & Gray separately provides 100% light output.
- 0-10V interface can be wired as Class 1 or Class 2 Circuit.
- Driver will source a maximum of 250uA for control needs.



Application and operation performance specification information subject to change without notification.



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Conditions of Acceptability –

1. The drivers shall be installed in compliance with the applicable requirements of the end-product standard for, mounting, spacing, casualty and segregation
2. The maximum available output parameters were within the maximum allowable limits for Class 2, inherently limited as specified in the UL 1310 standard for Class 2 Power Units, and in accordance with the Canadian safety standard CSA C22.2 No. 223.
3. The driver is suitable for use in “DRY” or “DAMP” locations.
4. The driver was evaluated for use at a maximum case temperature in an elevated ambient of 57°C and the maximum case temperature at (Tc) location – as identified on the label - should not exceed 85°C when the driver is installed in the end-use application.
5. The primary (Black, White) and the output (Red, Blue) and control dimming 0-10V (Gray and Violet) connection wires of the driver are R/C (AVLV2/8), 18 AWG, 90°C. The suitability of the leads shall be determined in the end-use application.
6. The case must be grounded in the end use.
7. The driver measured 52Vdc during maximum output voltage test, that complies with the definition of Class 2 per the Canadian Electrical code. However, the output and the associated circuit/circuits cannot be user accessible based on maximum voltage restrictions for Class 2 circuits in the Canadian Electrical Code.
8. The Leakage Current measurements were not performed on this unit. Compliance with leakage current requirements shall be determined in the end-product standard.” And, leakage current available from output leads shall be considered.

FCC Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warranty:

Universal Lighting Technologies warrants to the purchaser that each power supply will be free from defects in material or workmanship for a period of 5 years from the date of manufacture when properly installed per instructions and under normal operating conditions of use. Call 1-800-225-5278 for technical assistance.

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