



D15CC55UNVT-C

UNV Dimmable LED Driver w/ Tuning

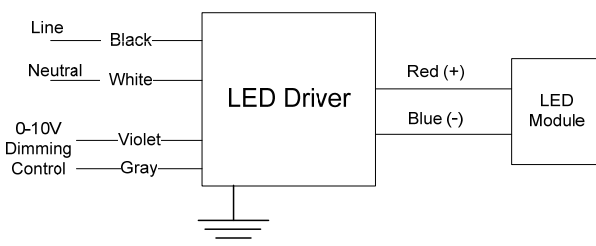
- 1500mA Constant Current Output
- Class 2, 55W Output
- 0-10V Dimming Control



Performance	
Input Voltage	120 ~ 277 Vac
Input Current Max	0.54 /120V 0.24/277V
Input Power Max	63W
Input Frequency	50 - 60 (Hz)
Power Factor	> 0.95
THD max	< 20 %
Output Voltage	13-37V
Output Current	45mA - 1500mA
Output Power	55W
Line Regulation	±3 %
Load Regulation	±5 %

Environmental	
EMI and RFI	Meets FCC part 15 (Class A) Non-Consumer Limits
Min. 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	14.25 in (362 mm)
Width	1.18 in (30 mm)
Height	1.00 in (25.4 mm)
Mounting Length	13.75 in (349.3 mm)
Weight (lbs)	1.0
Wire Trap / Plug-in Connectors for 18 AWG Solid Wire	

Protection

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

Safety:

UL 8750 & CSA 250.13-12

Tuning Interface

- Allows maximum output current to be tuned/programmed to any level of the dimming output range.
- Tuning is performed with the LDTC01A Tuning Controller
 - Controller is connected to the Gray and Violet Leads while the driver is powered for programming
 - For more information, see tuning controller instructions

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





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Programmable Tuned Output Settings

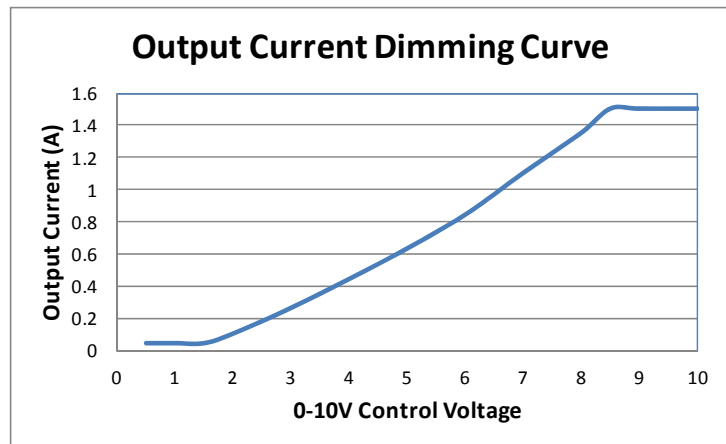
- This Everline LED Driver can be configured to set its current output to a selected fraction of their maximum rated design level. This function is called tuning (or also high-end trim) and it can be implemented with the LDTC01A using the Selector rotary switches. Tuning assignments are stored in driver 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.

SET Value	Output Current (A)	SET Value	Output Current (A)	SET Value	Output Current (A)
100	1.500	80	1.127	60	0.796
99	1.480	79	1.110	59	0.781
98	1.461	78	1.092	58	0.765
97	1.441	77	1.075	57	0.750
96	1.422	76	1.058	56	0.735
95	1.403	75	1.040	55	0.720
94	1.384	74	1.023	54	0.705
93	1.365	73	1.006	53	0.690
92	1.346	72	0.990	52	0.675
91	1.327	71	0.973	51	0.661
90	1.308	70	0.956	50	0.646
89	1.290	69	0.940	49	0.632
88	1.271	68	0.923	48	0.618
87	1.253	67	0.907	47	0.603
86	1.235	66	0.891	46	0.589
85	1.216	65	0.875	45	0.575
84	1.198	64	0.859	44	0.561
83	1.180	63	0.843	43	0.548
82	1.163	62	0.827	42	0.534
81	1.145	61	0.812	41	0.520
				40	0.507

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.



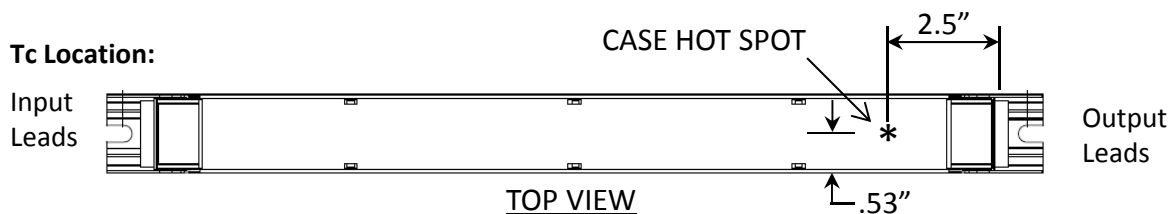
Application and operation performance specification information subject to change without notification.



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Conditions of Acceptability –

1. These products are for use only in (or with) complete end product equipment where the acceptability of the combination is determined by CSA International or others having jurisdiction.
2. The product shall be installed in compliance with the enclosure, mounting, mounting surface, strain relief, pushback relief, spacing, segregation, and all other applicable requirements of the End Product in which it is employed. Suitability shall be determined during End Product Certification Evaluation.
3. Product / product installation into end product is subject to any additional applicable requirement(s) of all applicable end product standard(s). These requirements shall be verified during end product evaluation.
4. This Driver must be installed in a complete electrical enclosure in compliance with the applicable requirements of the End Product in which it is employed.
5. The Driver is suitable for use in “DRY” or “DAMP” locations.
6. These Drivers were evaluated for use in the elevated ambient specified in the table below and the maximum case temperature at (Tc) location should not exceed 85°C when the driver is installed in the end-use application.
 - Model: D15CC55UNVT-C, rated 59 C Ambient, max. 85 C case temperature.
7. The case must be grounded in the end use.
8. The LED and Dimming Control (0-10V) leads operate within Class 2 limits.



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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