Phase Out – Not for use in New Designs

D10CC30UNVTZ-C

1050mA LED Driver w/ Tuning

- Universal (120-277V) Input Voltage
- Class 2, 30W Constant Current Output
- 0-10V Dimming to 1%

Performance	
Input Voltage	120 ~ 277 Vac ± 10%
Input Current Max	0.29 /120V 0.13/277V
Input Power Max	36W
Input Frequency	50 - 60 (Hz)
Power Factor*	> 0.95
THD max*	< 20 %
Output Voltage	15-30V
Max. Output Current	1050mA
Min. Dimming Current	11mA
Output Power	30W
Line Regulation	±3 %
Load Regulation	±5 %
Output Current Ripple	<10% (Pk-Pk/avg)
Inrush Current Peak / >50% Duration	120V: 8.5A / 390uS 277V: 11.0A / 390uS

* Refer to charts for additional information

- Harmonic Emissions comply with ANSI C82.77
- Inrush current complies with NEMA 410

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
Transient Protection	IEEE C62.41 2.5kV/2.5kV

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:

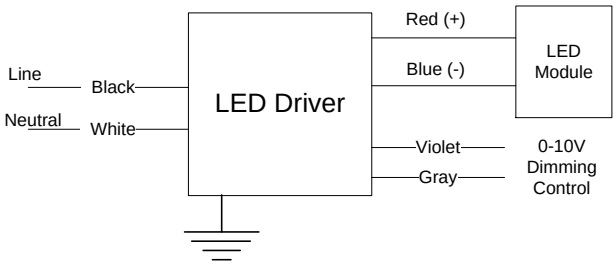
UL 8750 & CSA 250.13-12
Class P

Ordering Information

Order Number	Description	Qty/Carton
D10CC30UNVTZ-CN0C	Standard Product	10

*Consult Factory for Tuning ordering information

Wiring Diagram:



c UL us LISTED LED DRIVER

RoHS COMPLIANT

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

Programmable Tuned Output Settings

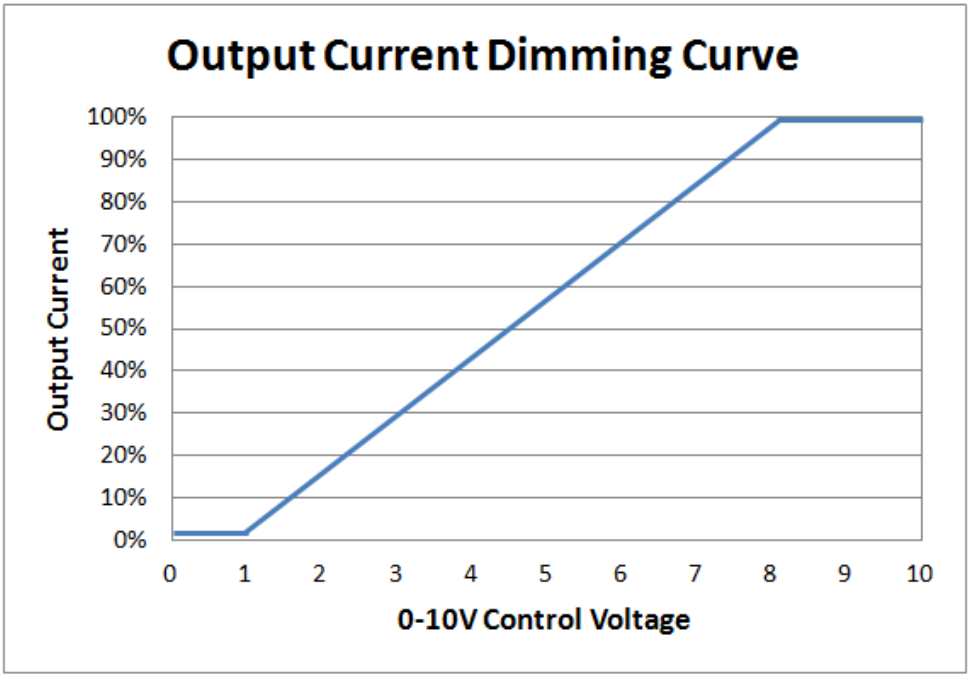
- This Everline LED Driver can be configured to set its current output to a selected fraction of their maximum rated design level. This function is called tuning (or also high-end trim) and it can be implemented with the LPTC01U using the Selector rotary switches. Tuning assignments are stored in driver 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.
- Tuned output tolerance of ± 5%.
- Refer to application note EVD09 at www.unvlt.com for additional information.

Set Value	Output Current (A)
100	1.050
99	1.040
98	1.029
97	1.019
96	1.009
95	0.998
94	0.988
93	0.978
92	0.967
91	0.957
90	0.946
89	0.936
88	0.926
87	0.915
86	0.905
85	0.894
84	0.884
83	0.873
82	0.863
81	0.852

Set Value	Output Current (A)
80	0.842
79	0.831
78	0.820
77	0.810
76	0.799
75	0.789
74	0.778
73	0.768
72	0.757
71	0.746
70	0.736
69	0.725
68	0.715
67	0.704
66	0.694
65	0.683
64	0.672
63	0.662
62	0.651
61	0.641

Set Value	Output Current (A)
60	0.630
59	0.620
58	0.609
57	0.599
56	0.588
55	0.578
54	0.567
53	0.557
52	0.546
51	0.536
50	0.525
49	0.515
48	0.504
47	0.494
46	0.484
45	0.473
44	0.463
43	0.453
42	0.442
41	0.432
40	0.422

0-10V Dimming

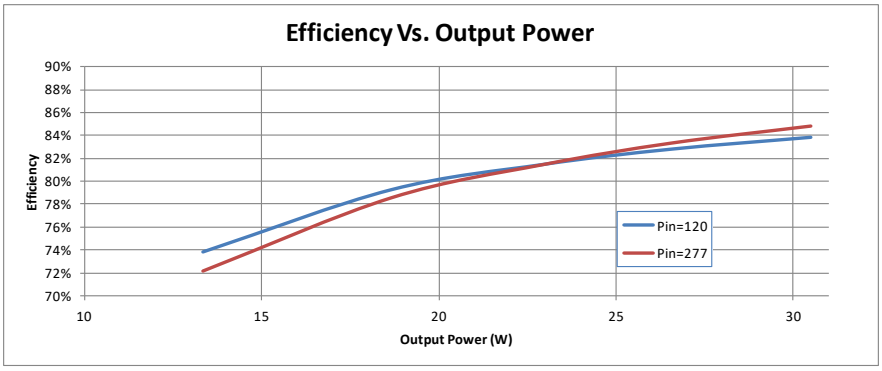


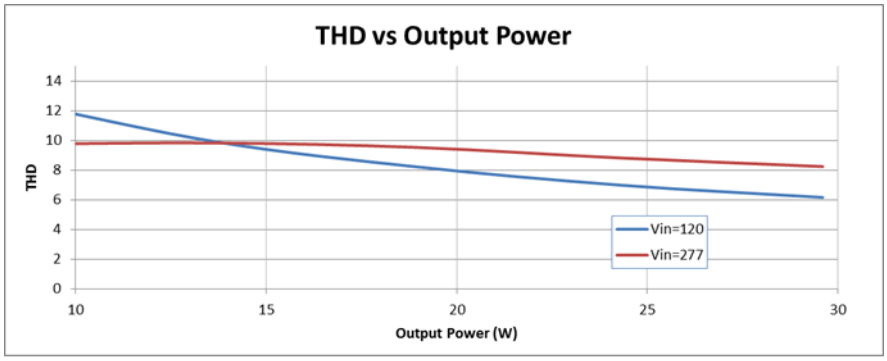
0-10V Analog Dimming Interface

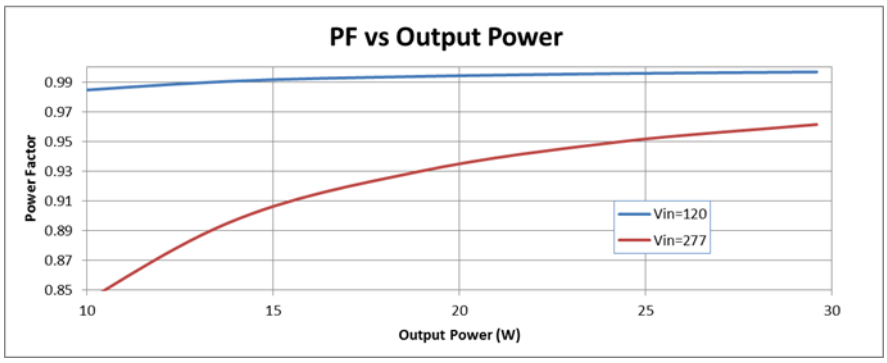
- Analog 0 to 10 vDC Voltage Control
- Use Violet (+) & Gray (-) for connection to 0-10vDC.
- 10v = maximum output, 0v = minimum output
- Wiring Violet & Gray together provides min. light output.
- Capping Violet & Gray separately provides 100% light output.
- 0-10V interface must be wired as a Class 2 Circuit.
- Driver will source a maximum of 200uA for control needs.
- Controller must sink current from the 0-10V control leads.

Performance: Efficiency, THD, & Power Factor

Typical performance measurements are shown. The charts are to be used as a guideline and not for specification use.

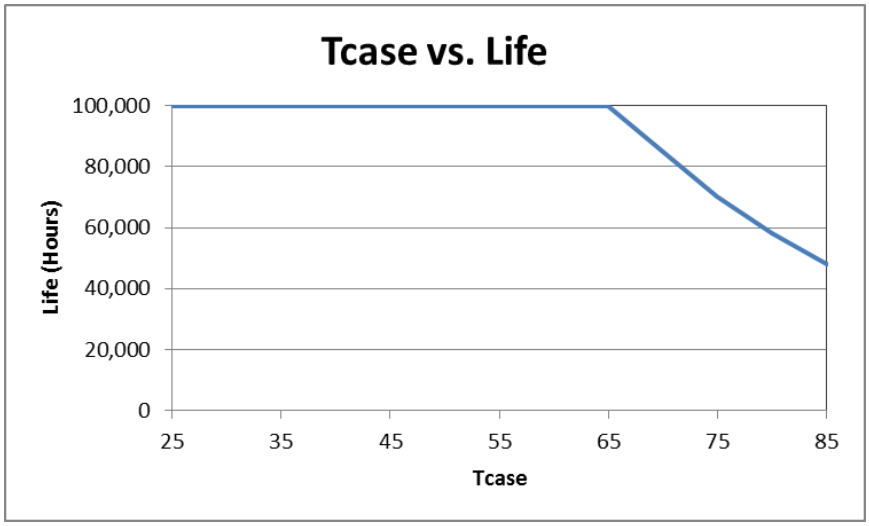






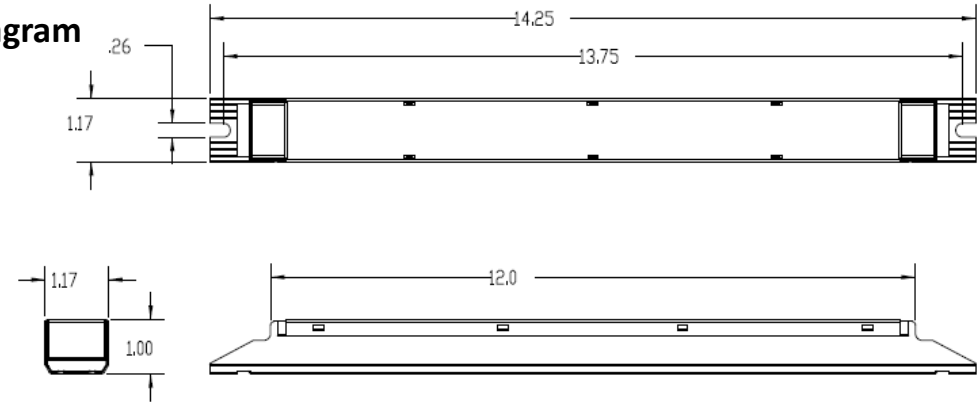
Output power based on maximum rated output current and varying load voltages.

Life vs. Driver Tcase



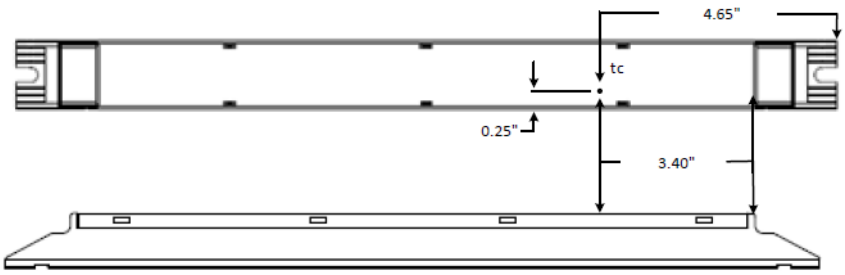
The Data curve provided predicts the LED Driver life based on the case temperature measured at the Tc location identified on the label or specification sheet. The Telecordia SR-332 standard is used to generate the prediction curves.

Dimensional Diagram



Tc Location:

Input



Output

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.