Phase Out – Not for use in New Designs

D21CC80347TZ-D

2100mA LED Driver w/ Tuning

- 347V Input Voltage
- Class 2, 80W Constant Current Output
- 0-10V Dimming

Performance	
Input Voltage	347 Vac
Input Current Max	0.27 /347V
Input Power Max	93W
Input Frequency	50 - 60 (Hz)
Power Factor*	> 0.95
THD max*	< 20 %
Output Voltage	17V to 38V
Max. Output Current	2100mA
Min Dimming Current	35mA
Output Power	80W
Line Regulation	±3 %
Load Regulation	±5 %
Output Current Ripple	<10% (Pk-Pk/avg)
Inrush Current Peak / >50% Duration	347V: 30A / 170uS

* 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**

**Driver uses MOVs for transient protection.
Refer to application note EVD07 at www.unvlt.com for additional information on Hi-Pot Testing.

Physical	
Length	16.88 in (428.7 mm)
Width	1.25 in (31.8 mm)
Height	1.00 in (25.4 mm)
Mounting Length	16.28 in (413.5 mm)
Weight (lbs)	1.25
Wire Trap / Plug-in Connectors for 18 AWG Solid Wire	

Protection

Over voltage, short circuit, and over temp.

Safety:

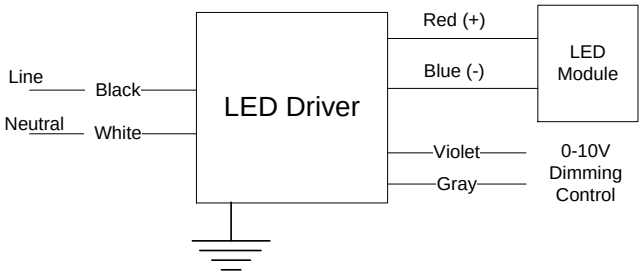
UL 8750 & CSA 250.13
Class P

Ordering Information

Order Number	Description	Qty/Carton
D21CC80347TZ-DN0C	Standard Product	10

*Consult Factory for Tuning ordering information

Wiring Diagram:



c UL us LISTED LED DRIVER

RoHS COMPLIANT

EVERLINE

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

Programmable Tuned Output Settings

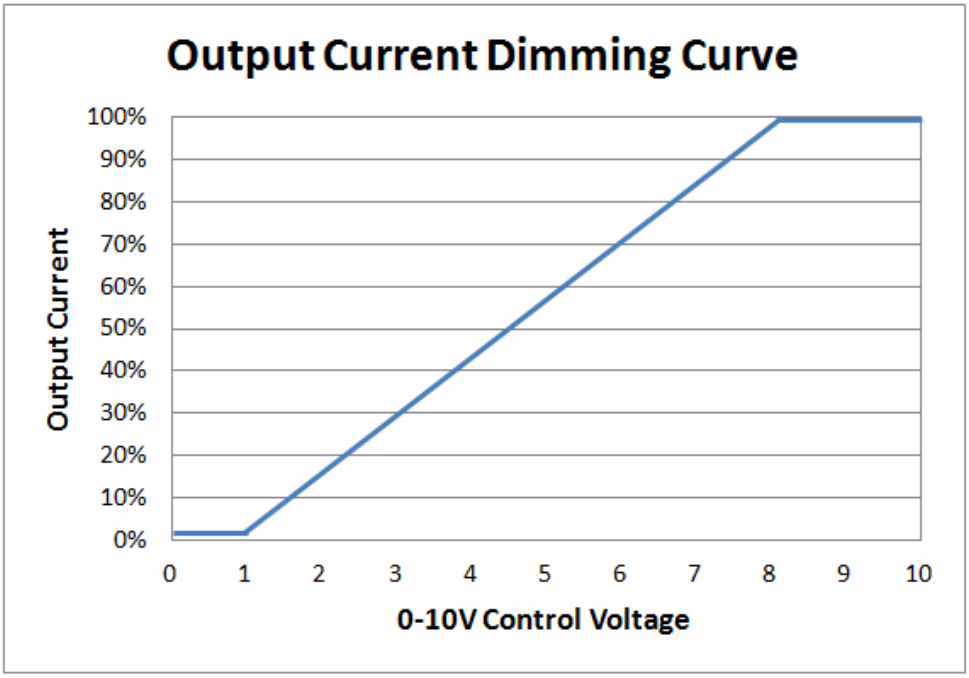
- This Everline LED Driver can be configured to set its current output to a selected fraction of their maximum rated design level. This function is called tuning (or also high-end trim) and it can be implemented with the LPTC01U using the Selector rotary switches. Tuning assignments are stored in driver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

Set Value	Output Current (A)
100	2.10
99	2.11
98	2.08
97	2.06
96	2.04
95	2.02
94	2.00
93	1.98
92	1.95
91	1.93
90	1.91
89	1.89
88	1.87
87	1.85
86	1.82
85	1.80
84	1.78
83	1.76
82	1.74
81	1.72

Set Value	Output Current (A)
80	1.70
79	1.67
78	1.65
77	1.63
76	1.61
75	1.59
74	1.57
73	1.55
72	1.53
71	1.50
70	1.48
69	1.46
68	1.44
67	1.42
66	1.40
65	1.38
64	1.36
63	1.34
62	1.31
61	1.29

Set Value	Output Current (A)
60	1.27
59	1.25
58	1.23
57	1.21
56	1.19
55	1.17
54	1.15
53	1.12
52	1.10
51	1.08
50	1.06
49	1.04
48	1.02
47	1.00
46	0.98
45	0.95
44	0.93
43	0.91
42	0.89
41	0.87
40	0.85

0-10V Dimming

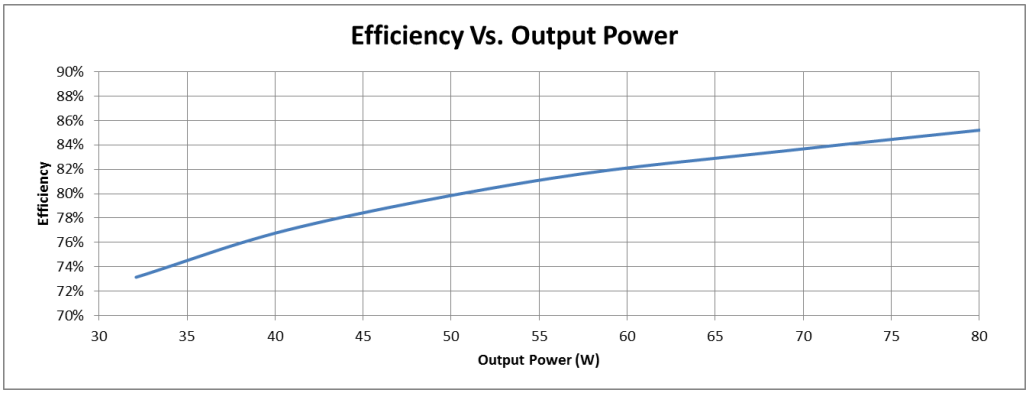


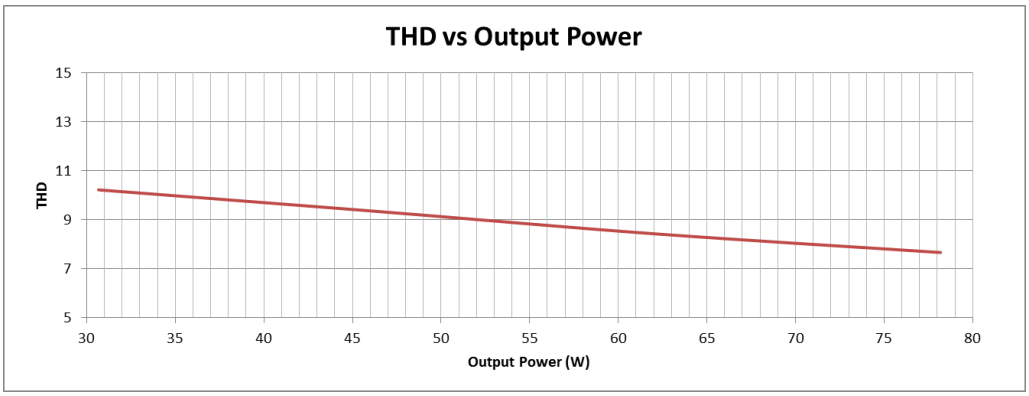
0-10V Analog Dimming Interface

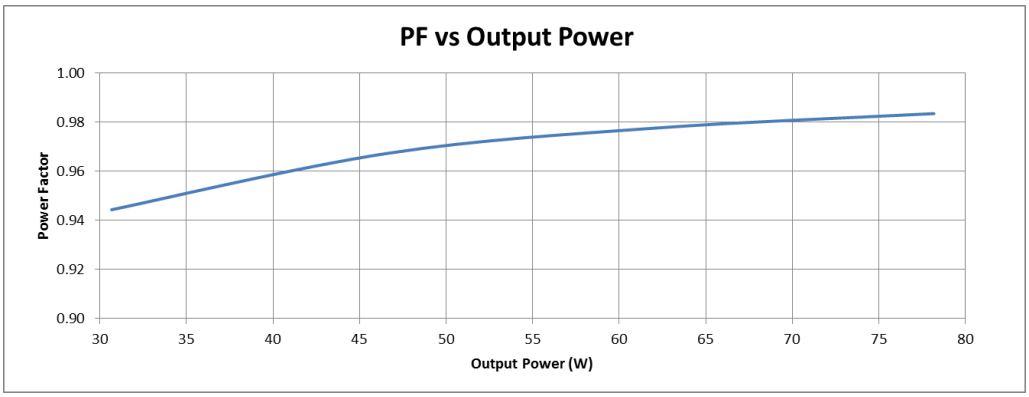
- Analog 0 to 10 vDC Voltage Control
- Use Violet (+) & Gray (-) for connection to 0-10vDC.
- 10v = maximum output, 0v = minimum output
- Wiring Violet & Gray together provides min. light output.
- Capping Violet & Gray separately provides 100% light output.
- 0-10V interface must be wired as a Class 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.

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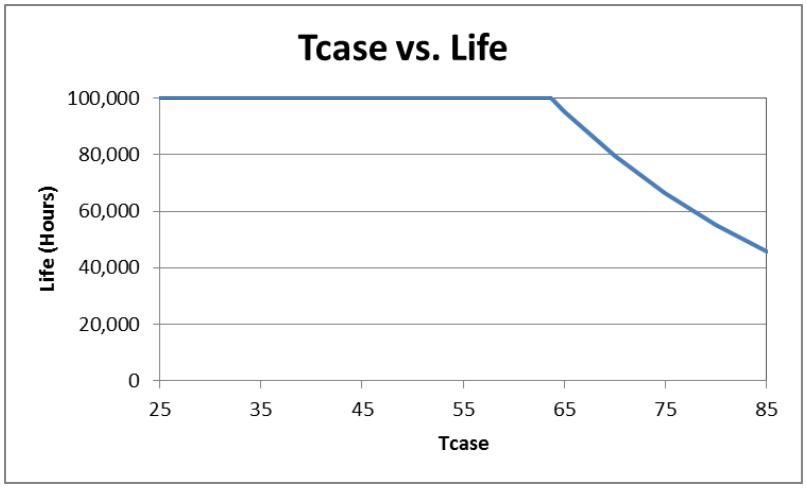
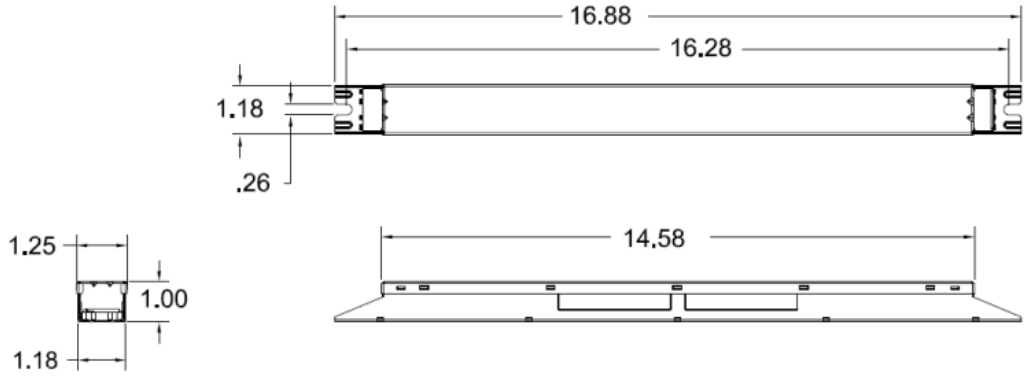
Life vs. Driver Tcase

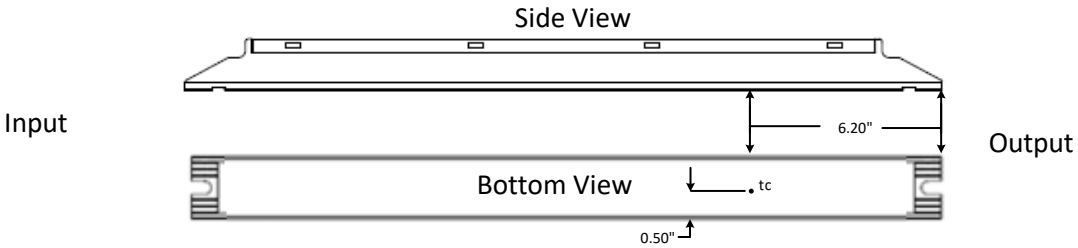


The Data curve provided predicts the LED Driver life based on the case temperature measured at the Tc location identified on the label or specification sheet. The Telecordia SR-332 standard is used to generate the prediction curves.

Dimensional Diagram



Tc Location:



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.

EVERLINE

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