

1050mA Programmable LED Driver with 10-yr Warranty

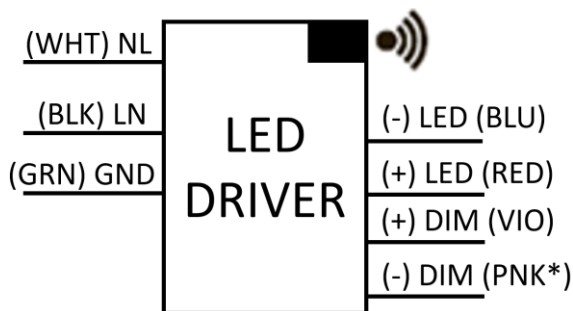
- Universal (120-277V) Input Voltage
- Class 2, 30W Constant Current Output with 0-10V dimming
- Full featured programmability with Wireless Programming



Performance		Physical	
Input Voltage	120 ~ 277 Vac	Length	14.25 in
Input Current Max	0.29A / 120V 0.13A / 277V	Width	1.18 in
Input Power Max	36W	Height	1.00 in
Input Frequency	50 - 60 (Hz)	Mounting Length	13.75 in
Power Factor	> 0.95 @ max load	Weight (lbs)	1.0 lbs
THD max	< 20 % @ max load	Wire Trap / Plug-in Connectors for 16-22 AWG Solid Wire Strip length 0.33in	
Output Voltage (Refer to Driver Operating Range)	16V to 29V @ 1.05 Amps 16V to 56V @ 0.53 Amps	Environmental	
Max. Output Current	1050mA	EMI and RFI	Meets FCC part 15 (Class A) Non-Consumer Limits
Min. Dimming Current	4mA	Sound Rating	Class A
Output Power	30W	Operating Temperature	-30°C to 40°C (-22°F to 104°F)
Standby Power	< 2.8W @ 120Vac < 3.5W @ 277Vac	Storage Temperature	-30°C to 75°C (-22°F to 167°F)
Line Regulation	±3 %	tc	75°C max for warranty 75°C max for UL
Load Regulation	±5 %	Relative Humidity	0 to 55% non-condensing and non-corrosive
Output Current Ripple	<10% (Pk-Pk/avg)	Power Cycles	<20 per day
Inrush Current* Peak / >10% Duration	120V: 18A / 304uS 277V: 43A / 278uS	Location Rating	UL Dry & Damp
		Transient Protection	IEEE C62.41 2.5kV

* source impedance per NEMA 410

Wiring Diagram:



* **Note:** The Gray has been changed to Pink for the negative 0-10V dimming control lead.

Protection

Over Voltage, Under Voltage, Short Circuit, Over Temp Safety:

UL 8750 & CSA 250.13
UL Class P



Ordering Information

Order Number	Description	Qty/Carton
D10CC30UEXPW-C010C	1050mA 30W	10

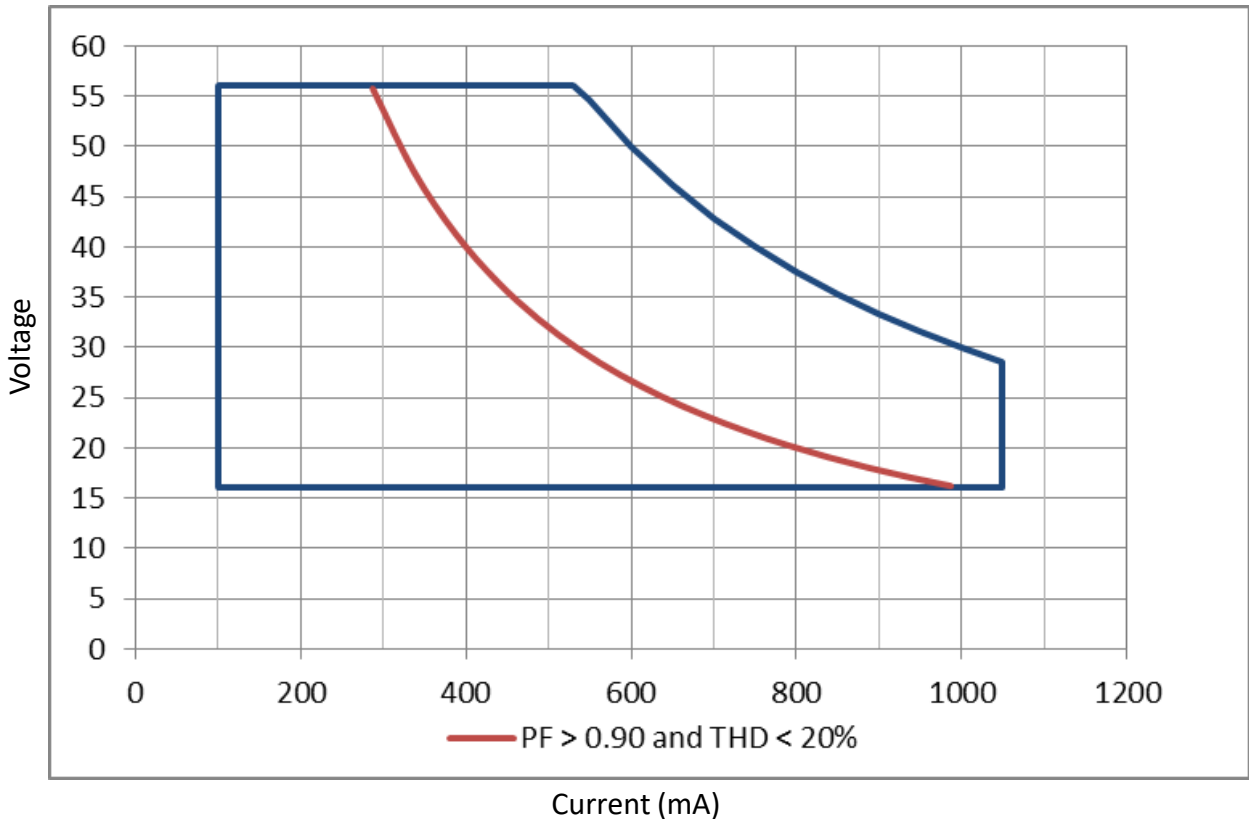
Application and operation performance specification information subject to change without notification.

Programmable Features
Output Current
Minimum Dimming Level
Dim-to-Off
Dimming Curve (Linear, Linear Soft Start, Logarithmic)
Lumen Maintenance

Programming System	
Software	EVERset Programming Software
Hardware	LDPC000A Configuration Tool
Driver Interface	Wireless via RFID

*Refer to application notes EVD10 and EVD11 at www.unvlt.com for additional information on programmable features.

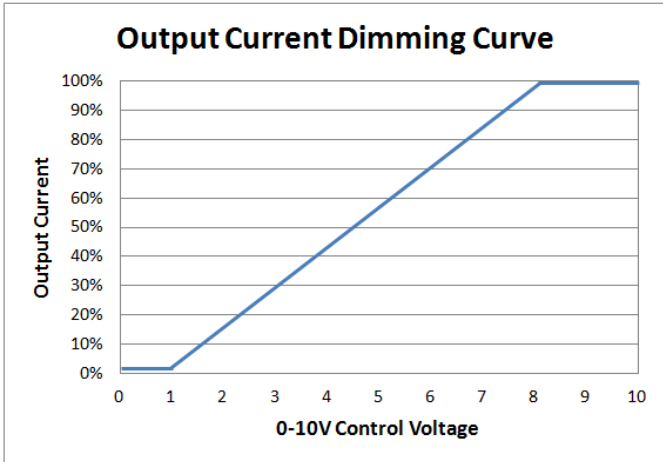
Driver Operating Range:



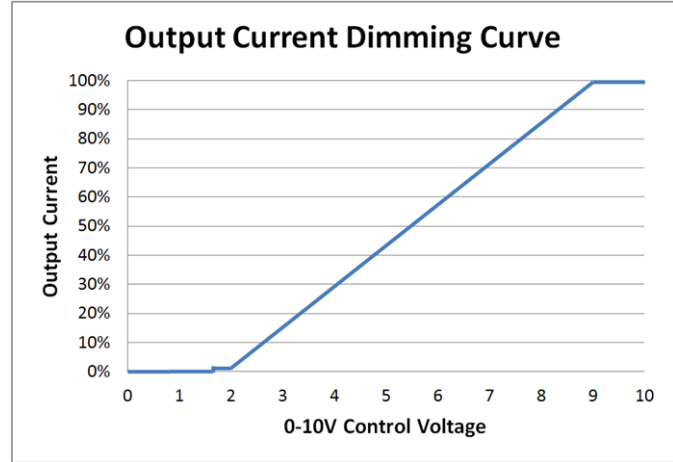
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0-10V Dimming

Linear Dimming to 1%



Linear Dimming w/ Dim-to-Off



* Driver ships with Dim-to-Off disabled. Dim-to-Off must be enabled through the EVERset programming software.

0-10V Analog Dimming Interface

- Analog 0 to 10 Vdc Voltage Control
- Use Violet (+) & Pink* (-) for connection to 0-10 Vdc.
- 10V = maximum output
- 0V = dim-to-off or programmed minimum dimming level
- 0-10V interface can be wired as Class 1 or Class 2 Circuit.
- Driver will source a maximum of 165uA for control needs.
- Controller must sink current from the 0-10V control leads.

Programmable Dimming Features

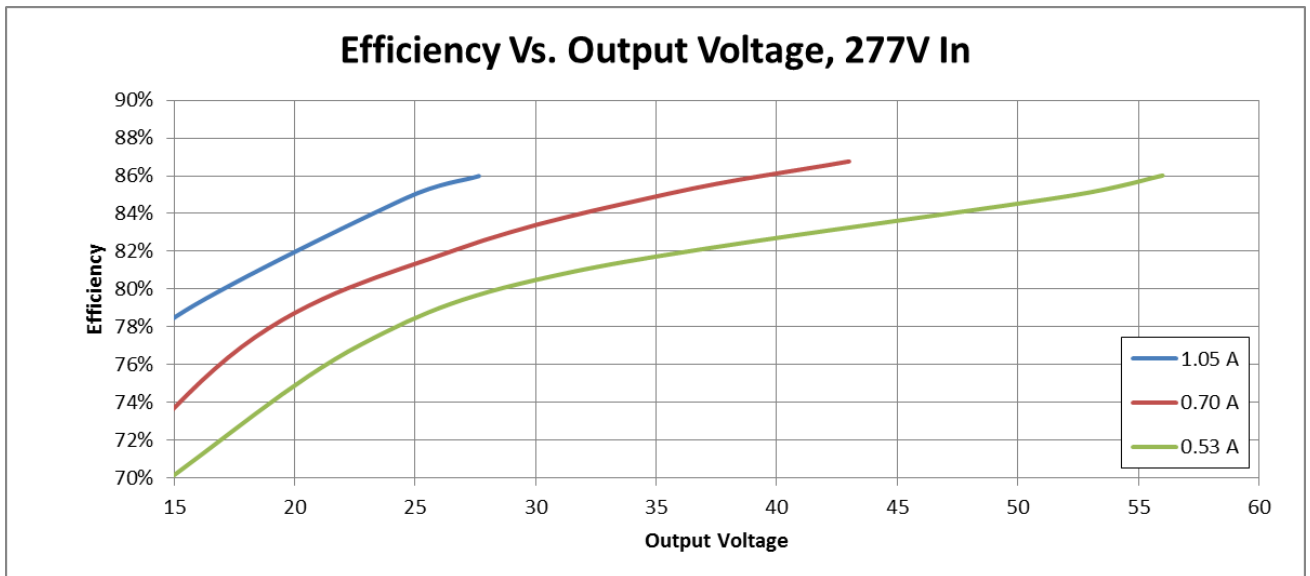
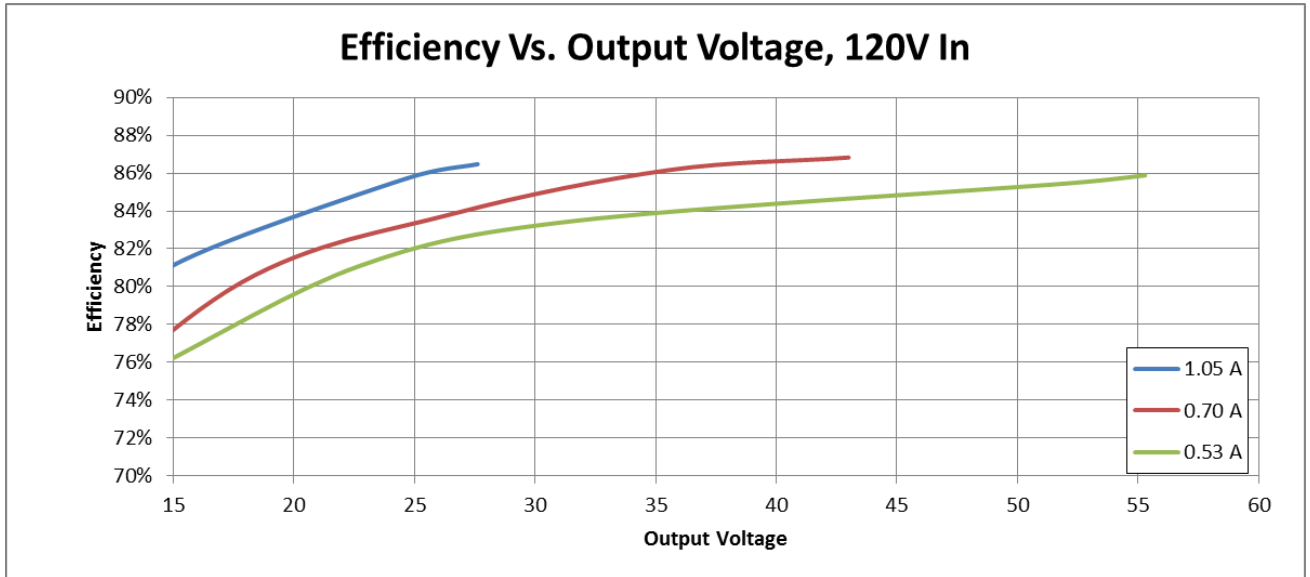
Feature	Range	Factory Default
Maximum Output Current	100 - 1050mA	default = 1050mA
Minimum Dimming Level	4 - 525mA	default = 4mA
Dimming Curve	(Linear, Linear Soft Start, Logarithmic w/ factor 1 to 7)	default = Linear
Dimming Control Voltage Range		
Max Bright Control Voltage	7 - 9Vdc	default = 8Vdc
Min Dim Level Control Voltage	1 - 3Vdc	default = 1Vdc
Dim-to-Off	0.1 - 1.7Vdc	default = 0Vdc (disabled)

* Refer to application note EVD10 at www.unvlt.com for additional information on programmable dimming features.

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Performance: Efficiency

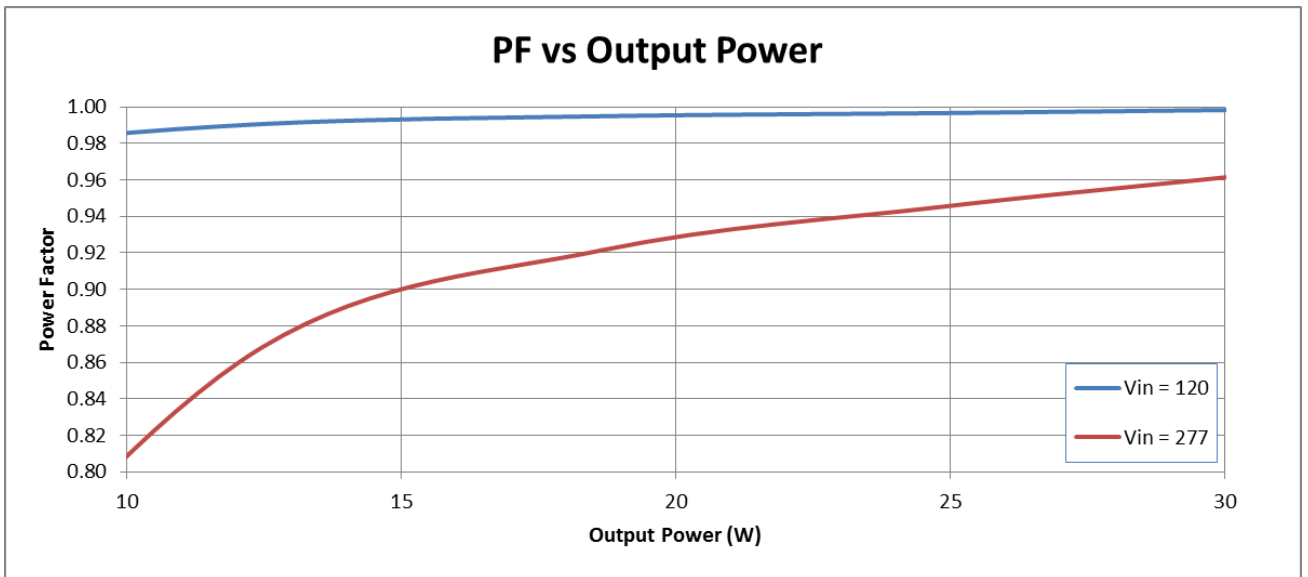
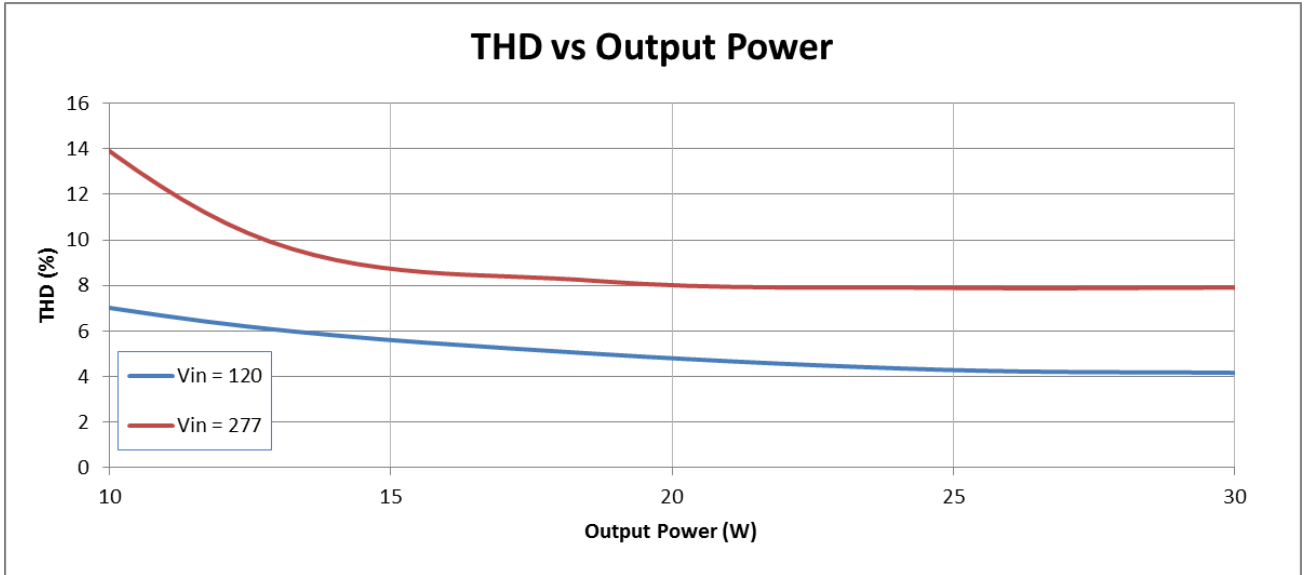
Typical performance measurements are shown. The charts are to be used as a guideline and not for specification use.



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Performance: Total Harmonic Distortion, & Power Factor

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

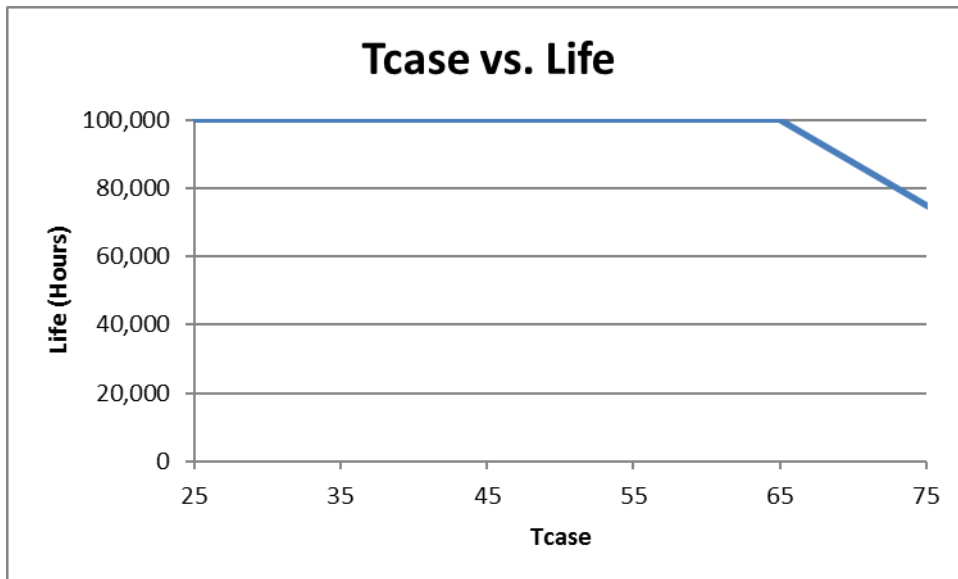
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Transient Protection		
Transient	Differential Mode (L-N)	Common Mode (L-G, N-G, L&N-G)
IEEE C62.41 100kHz Ring Wave (200A maximum)	> 2.5kV	> 2.5kV

Isolation				
Isolation	Input	Output	0-10V	Enclosure
Input	-	2xU + 1kV	2xU + 1kV	2xU + 1kV
Output	2xU + 1kV	-	2xU + 1kV	700V
0-10V	2xU + 1kV	2xU + 1kV	-	2xU + 1kV
Enclosure	2xU + 1kV	700V	2xU + 1kV	-

U = Max Input Voltage

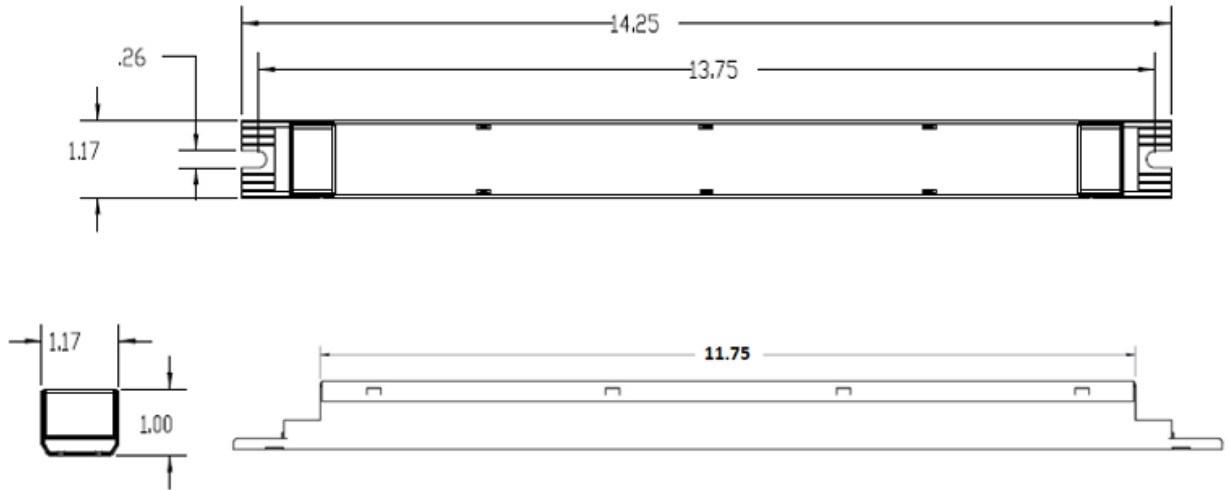
Driver Lifetime vs. Driver Case Temperature



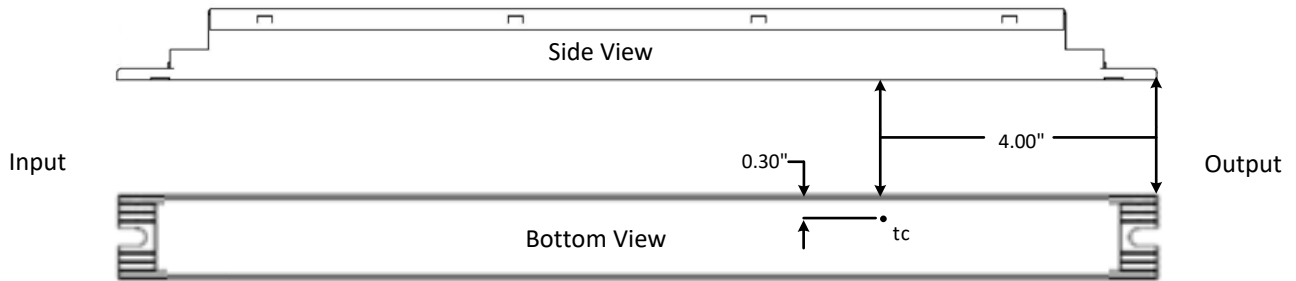
The Data curve provided predicts the LED Driver life based on the case temperature measured at the Tc location identified on the label or specification sheet. The Telecordia SR-332 standard is used to generate the prediction curves.

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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 10 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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