

12 Volt 60 Watt Class 2 LED Driver

- Universal input voltage 120 – 277 Vac
- Damp and Dry Location Rated
- Class 2 Output

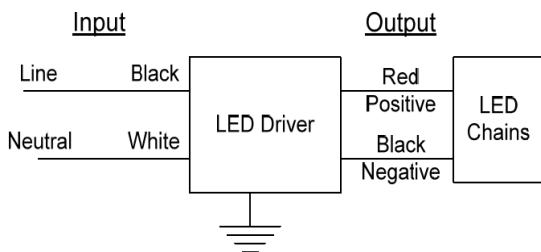


Performance

Input Voltage	120 ~ 277 Vac
Input Current Max	1.2A @ 120Vac 0.7 @ 277Vac
Input Power Max	72W
Input Frequency	50 - 60 (Hz)
Efficiency	> 85 % @ 120Vac > 87 % @ 277Vac
Output Voltage	12V
Output Current	5.0A
Output Power	60W
Line Regulation	±5 %
Load Regulation	±5 %
Output Voltage Ripple	< 1000mVp-p
Output Current Ripple	< 500mA p-p
Inrush Current Peak / >50% Duration	120V: 40A / 160uS 277V: 105A / 160uS

- * Refer to charts for additional information
- Harmonic Emissions comply with ANSI C82.77
 - Inrush current complies with NEMA 410

Wiring Diagram:



Physical

Length	5.50 in (140 mm)
Width	1.70 in (43.2 mm)
Height	1.18 in (30.0 mm)
Mounting Length	5.24 in (133.0 mm)
Weight (lbs)	0.8
Lead Lengths	
Blk, Wht	12.5 in (317.5mm)
Red(+), Black(-)	12.5 in (317.5mm)

Environmental

EMI and RFI	Meets FCC part 15 (Class A) Non-Consumer Limits
Operating Temperature	-40°C to 55°C (-40°F to 131°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
tc	85°C max for warranty 90°C max for UL
Protection Rating	UL Dry & Damp
Transient Protection	IEEE C62.41 2.5kV

Protection

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

UL 8750
UL Class P



Ordering Information

Order Number	Description	Qty/Carton
L12V60UNV-R000I	12V 5.0A	10

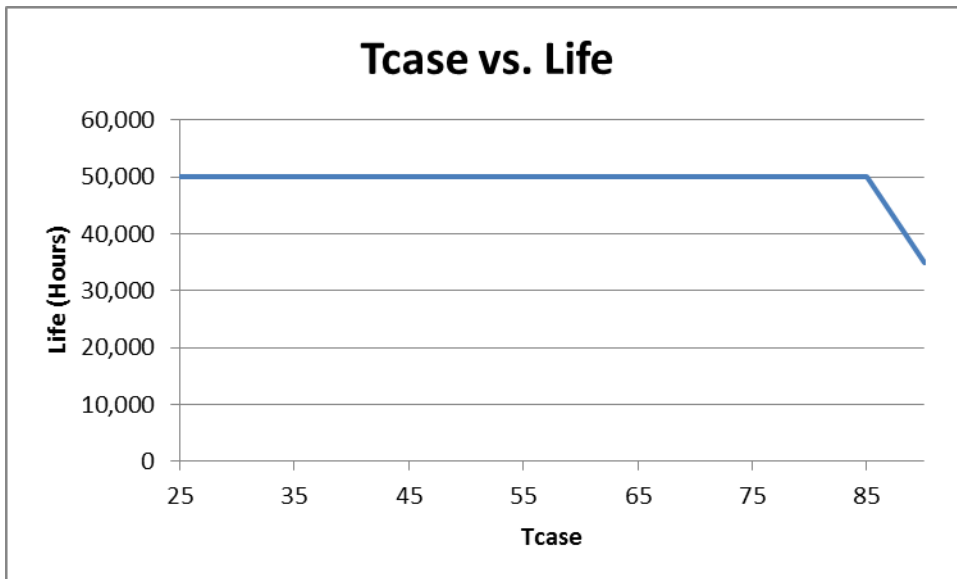
Application and operation performance specification information subject to change without notification.

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	Enclosure
Input	-	2xU + 1kV	2xU + 1kV
Output	2xU + 1kV	-	500V
Enclosure	2xU + 1kV	500V	-

U = Max Input Voltage

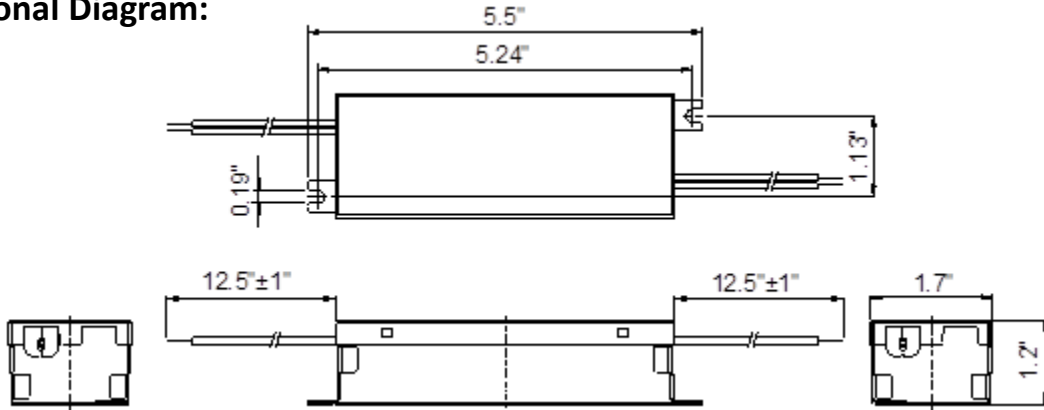
Driver Lifetime vs. Driver Case Temperature



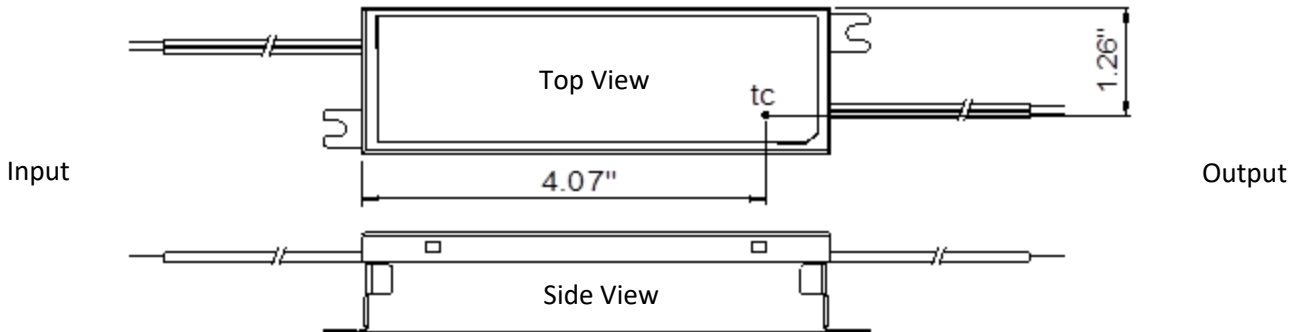
The Data curve provided predicts the LED Driver life based on the case temperature measured at the Tc location identified on the label or specification sheet. The Telecordia SR-332 standard is used to generate the prediction curves.

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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 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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