



# LED-25W TE/LE Series

Line Voltage Dimmable Constant Current LED Driver



## Electrical Specifications

Input Voltage Range:	100-277 Vac input, 120-230 Vac phase dimming only
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	> 0.90 at 120/230Vac, Full Load (no dimmer)
Inrush Current:	<10 Amps max @ 120Vac, cold start 25°C
Input Current:	0.25 A max 120Vac 60Hz, max load
Maximum Power:	25W
Current Regulation:	± 5% Over input line variation
Load Regulation:	± 8%
THD:	<20% at 120/230Vac, Full load (no dimmer)
Typical Efficiency:	84% at 120Vac

## Protections

Over-voltage:	No Damage, Auto Recovery after fault is removed
Over-current:	Constant Current Limiting Circuit
Short Circuit:	No Damage, Auto Recovery after fault is removed

## Environmental Specifications

Max Case Life Temp:	70°C (5 year warranty)
Maximum Case Temp (UL):	90°C
Minimum Starting Temp:	-30°C
Storage Temperature:	-40°C to +85°C
Humidity:	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
Sound Rating:	Class A
Impact Resistance:	1g/s
MTBF:	402,000 Hours @ full load per MIL-217F Notice 2
EMC:	FCC 47CFR Part 15 Class B compliant
Weight:	7.0 oz. (198 g)

- Total Power: 25 Watts
- Input Voltage: 120-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP66 & NEMA4
- 100-10% Dimmable on either ELV or Incan. dimmers
- High Power Factor
- Black Magic Thermal Advantage™ Plastic Housing

**Note:** LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.



## ELV Dimming Models

Model	Output Voltage (Vdc)	Output Current (mA ±4%)	Max. Output Power (W)	Typical Efficiency
LED25W-72-C0350-TE	36-72	350	25	86%
LED25W-48-C0520-TE	24-48	520	25	85%
LED25W-36-C0700-TE	18-36	700	25	84%
LED25W-24-C1040-TE	12-24	1040	25	83%

For use with electronic low voltage dimmers.

Class 2: US/Canada

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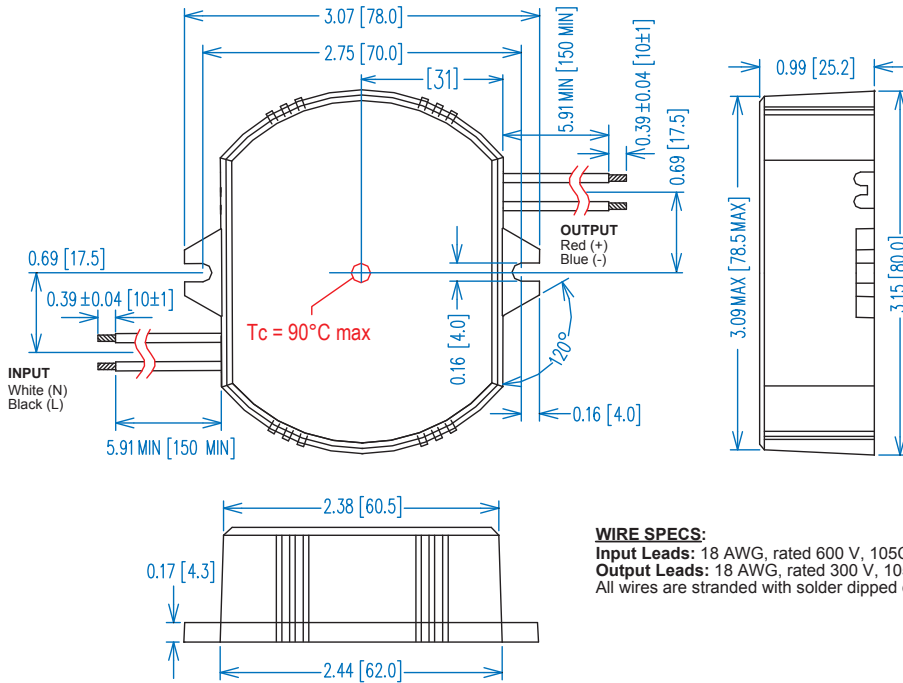
## Safety Cert. Standard

UL/CUL	UL8750
CSA	22.2
CE	EN61347

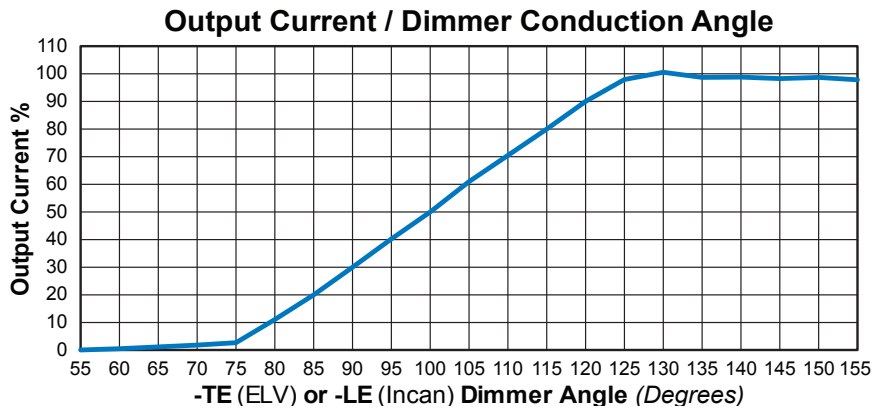
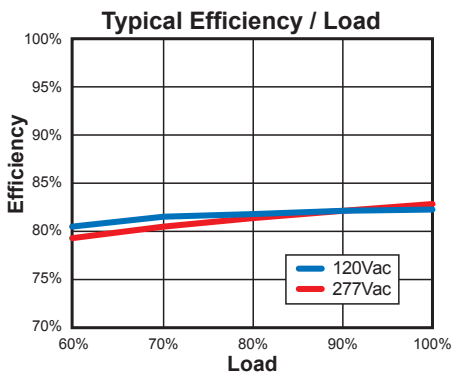
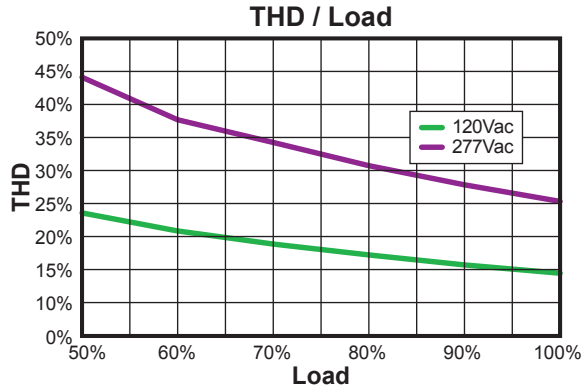
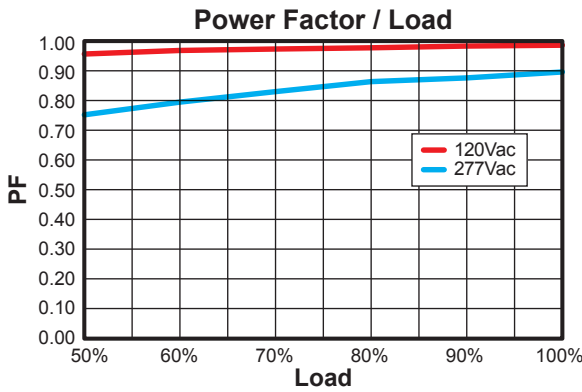
## EMC Standard Notes

EN61000-3-2	
EN61000-3-3	Class C
FCC Part 15	Class B

**Dimensions**



**Power Characteristics**



**Note:** The area under the life-temperature curve represents where the driver has highly reliable operation within specification. Driver performance may drift out of published specifications as the hours of operation exceed the curve at a given temperature. Higher operating temperatures increase the chances of a failure to function. Other electrical, mechanical and environmental factors affect driver lifetime but are not represented in this calculation.

**UL Conditions of Acceptability:**  
See website for additional information