

Driving Your Vision. Efficiently.

efficient power   efficient size   efficient cost   efficient support

www.erglighting.com 1-800-215-5866

Preliminary



### eDriver Family

- Universal Input      100 to 277VAC
- High Efficiency        ~87%
- Slimmest Model       <1.33”(34mm)
- High Reliability       5 Year Warranty
- Approvals              UL-E341875
- CE (Pending)
- IP Rating                IP67 (Pending)
- Environmental          RoHS & REACH

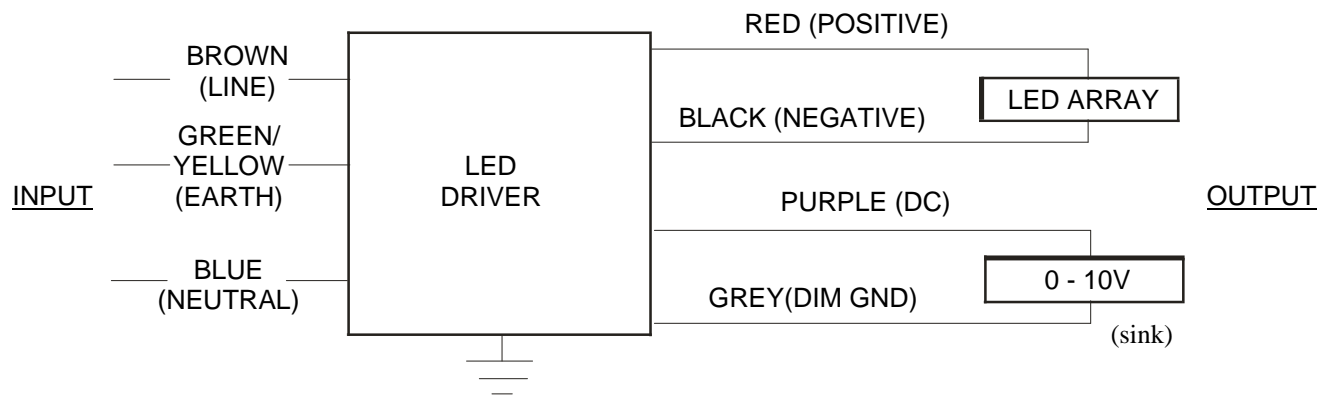
E100W24V-D (100W, 24V, Dimming)

MADE in the USA

### Quick Guide Electrical Specifications

Output Power (W)	Output Voltage (V)	Output Current (A)	Efficiency	Input Current at 220V	Max. Input Power (W)	Frequency	Max. THD (%)	Min. Power Factor	IP Rating
100	24	4.1	87%	.52	114	50/60Hz	20	0.9	IP67

### Wiring Diagram



Input and Output use lead-wires.  
 Lead-wires are 18AWG 105°C/600V solid copper.  
 Dimming use lead-wires.  
 Lead-wires are 24AWG 90°C/600V solid copper.

#### ERG Lighting

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Input Specifications		Safety & Environmental Specifications	
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Input Voltage Range (Note 1)	90VAC—300VAC	Safety	UL1310 Class2, E341875
Frequency Range	47 - 63 Hz		CE, EN60950-1 (Pending)
Input Current Typical (full load)		EMI	EN55015, EN61547, EN61000-
110 VAC	1.08A (RMS)		4-3, 4-4, 4-5, 4-6, 4-11
220 VAC	0.52A (RMS)		(Pending)
277 VAC	0.41A (RMS)	Harmonics	EN61000-3-2, 3-3 (Pending)
Leakage Current	<.5mA	Isolation	Fully isolated
Power Factor	.90 Min	Operating Ambient Temperature (Note 1)	-30°C to 50°C
Total Harmonic Distortion	.2 Max	Storage Temperature	-40°C to 80°C
		Short-Circuit protection (Auto Recovery)	
		Over temperature protection (Auto Recovery)	

Output Specifications		Mechanical Specifications	
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Efficiency		Size	441 x 34 x 32mm
110 VAC (full load)	84%		17.36" x 1.33" x 1.25"
220 VAC (full load)	87%	Weight	493kg (1.088lb)
277 VAC (full load)	87%		
Voltage	24V +/- 5%		
Current	4.1A (max)		
Ripple (Note 2)	.6V RMS		

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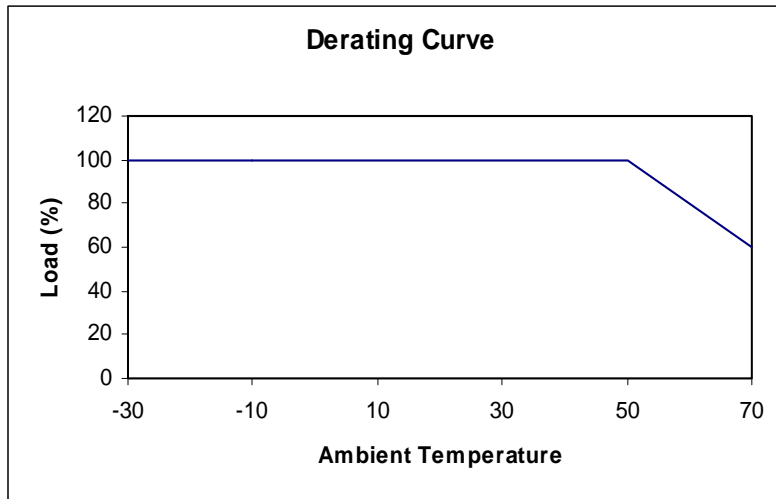
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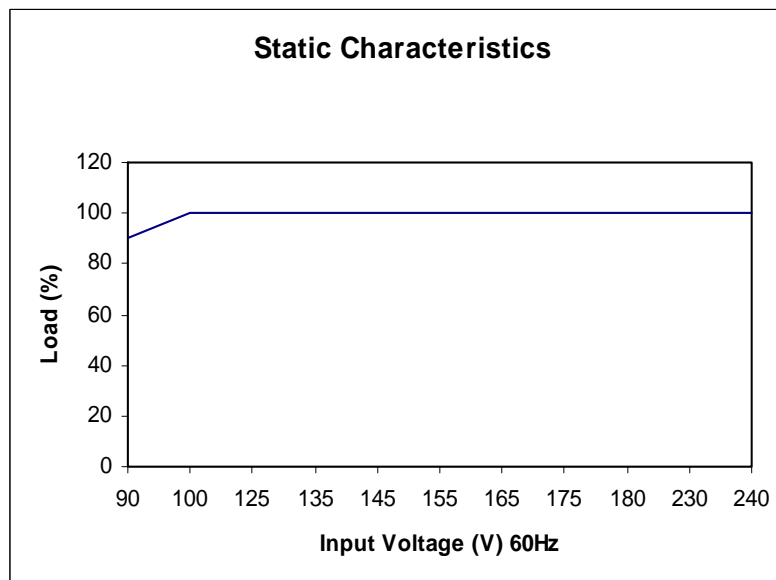
### Notes

1. Derating may be needed at low input voltages. (See derating curves for more detail).
2. Ripple is measured with a purely resistive load.
3. All specifications are typical at 220VAC input and 25°C with full load, unless otherwise specified.
4. Dimming Frequency is 250 Hz +/-10%.

### Derating Curve



### Static Characteristics



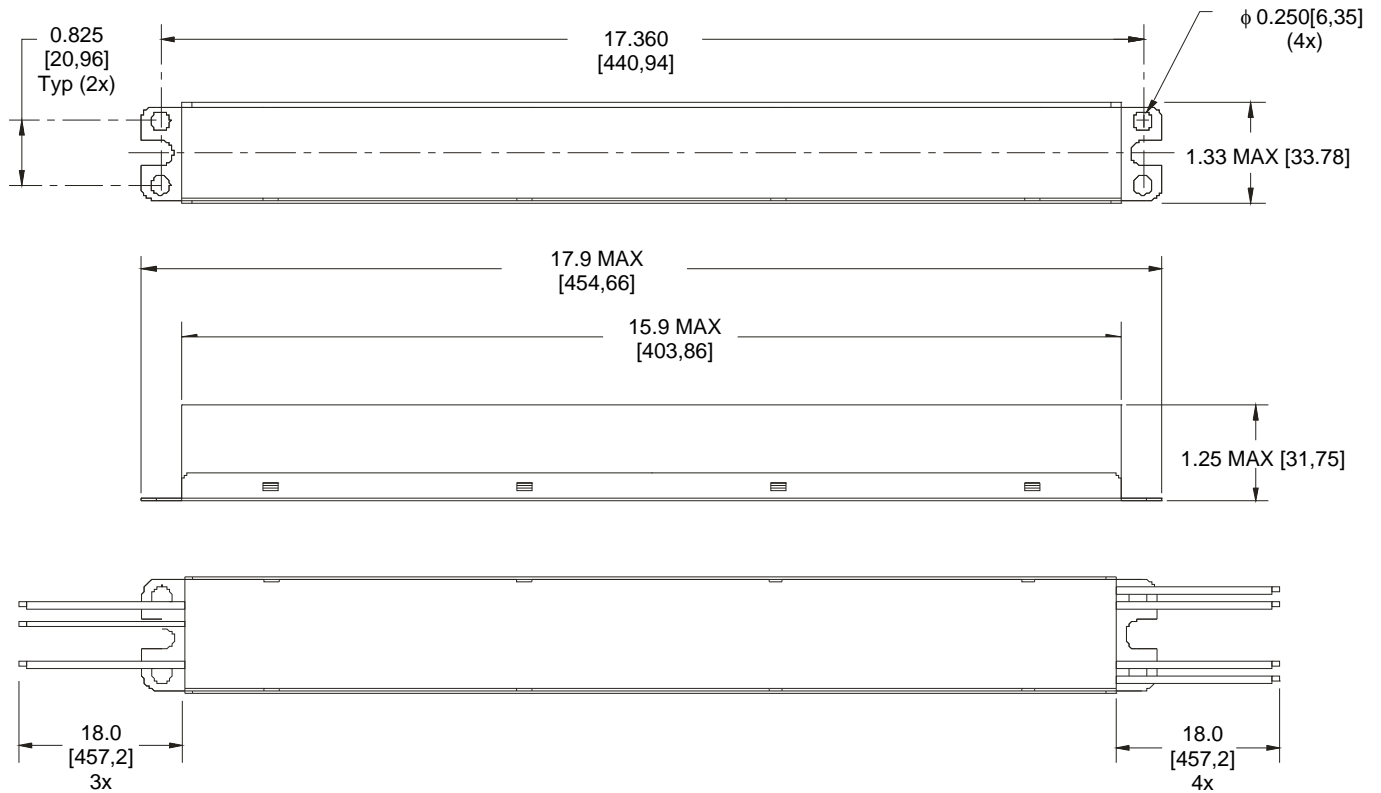
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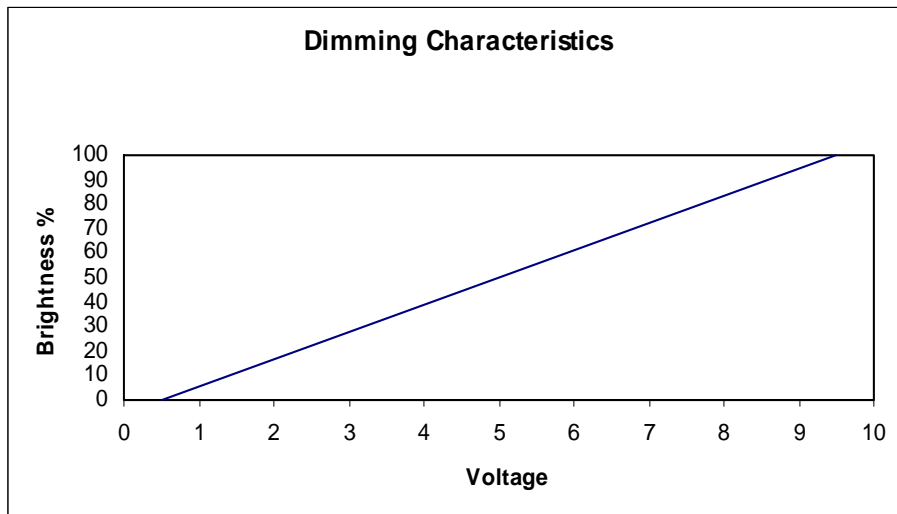
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## Mechanical Dimensions



## Dimming

See Note 4



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### No Dimming

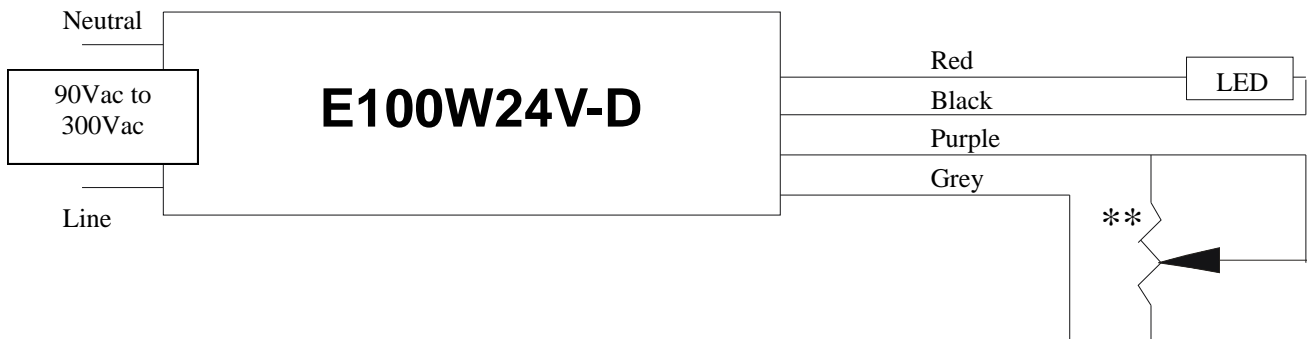


### 0-10V Dimming



\* 0—10V generator must be capable of sinking current.

### Potentiometer



\*\* Contact ERGLighting for specific values.