

E150W700-D
 (150W, 700mA, D=Dimmable)

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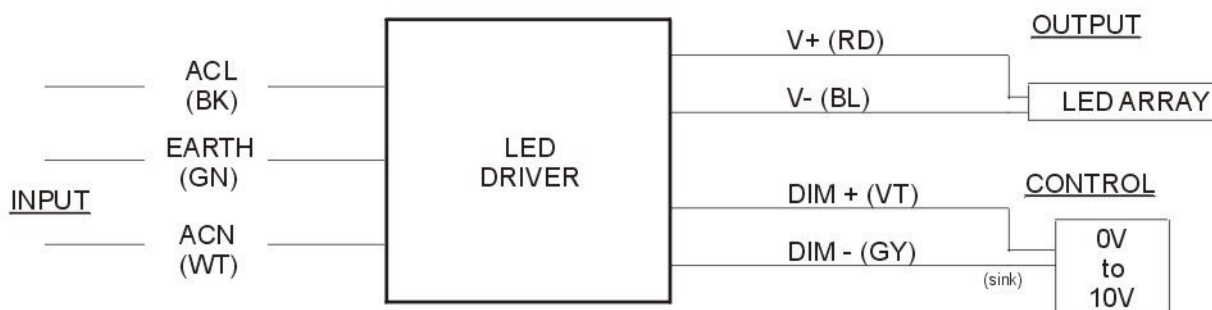
FEATURES

Universal Input	120 to 277VAC
High Efficiency	>92%
High Reliability	5-year warranty
Approvals	UL-E341875
Environmental	RoHS & REACH

Typical Electrical Specifications (Tested @ 120VAC and full load)

Output Power (W)	Output Voltage (V)	Output Current (A)	Efficiency	Frequency	Max. THD (%)	Min. Power Factor
150	175-215	0.7	92%	50/60Hz	20	0.9

Wiring Diagram



Input and Output use lead-wires.
 Lead-wires are 18AWG 105°C/600V copper.
 Dimming use lead-wires.
 Lead-wires are 24AWG 90°C/600V copper.
 Non-Dimming Version does not have control wires.

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Input Specifications (Note 1)

Input Voltage Range	108VAC—305VAC	Power Factor	0.9 Min
Frequency Range	47 - 63 Hz	Total Harmonic Distortion	0.2
Input Current Typical (full load)			
120 VAC	1.4A (RMS)		
220 VAC	0.75A (RMS)		
277 VAC	0.6A (RMS)		

Output Specifications

Efficiency		Voltage	175-215VDC
120 VAC (full load)	91%	Current	0.7A +/- 5%
230 VAC (full load)	92%		
277 VAC (full load)	92%		

Safety & Environmental Specifications

Safety	UL1012, UL8750 E341875	Storage Temperature	-40°C to 80°C
EMI	FCC Part 15 Class A EN61000-4-3, 4-4, 4-5 (Pending)	Short-Circuit Protection	(Auto Recovery)
Isolation	Isolated (Non Class 2)	Output Over Current Protection	(Auto Recovery)
Operating Ambient Temperature	-30°C to 70°C	Output Over Voltage Protection	(Auto Recovery)
		Over Temperature Protection	(Auto Recovery)

Mechanical Specifications

Size	6.87" x 3.07" x 1.70" (174.5 x 77.9 x 43.2mm)
Weight	2.592lb (1.176Kg)
Wire Lead Length(s)	18" (457.2mm)

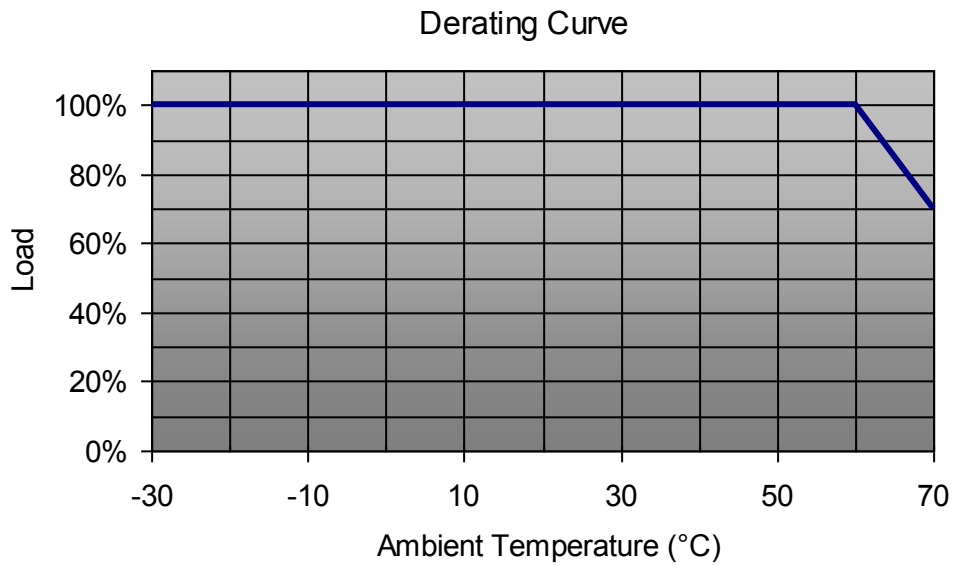
Notes

- All specifications are typical at 120VAC input and 25°C with full load, unless otherwise specified.
- To maintain warranty, derating must occur at high temperatures. See derating curve on page 3.

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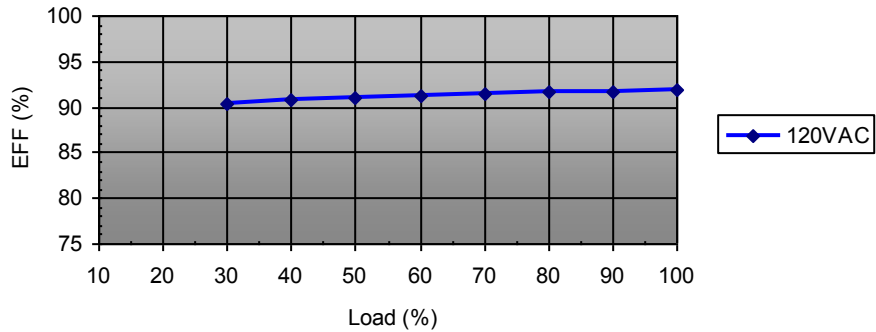
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Derating Curve

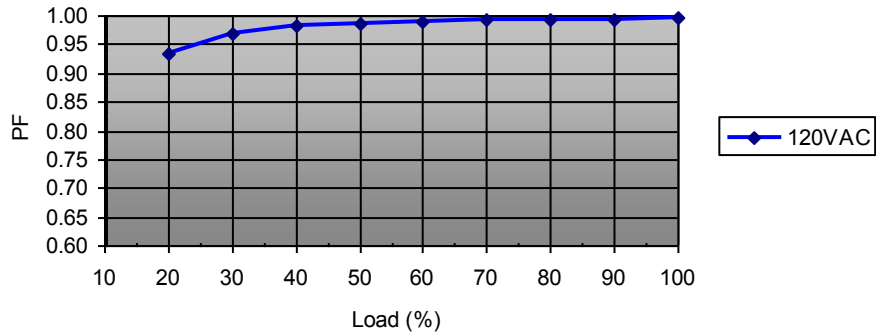


Performance Characteristics

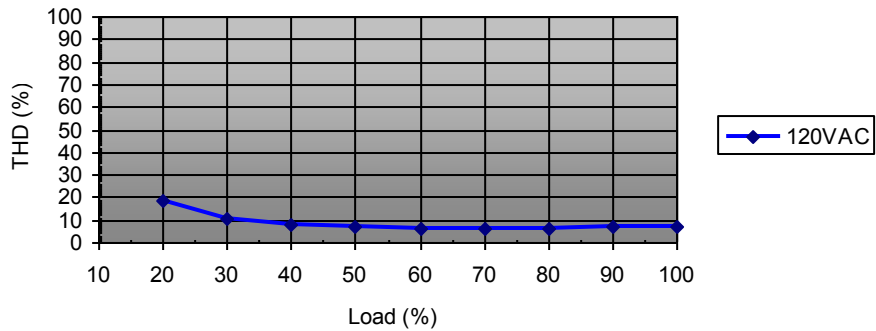
Efficiency vs. Load



PF vs. Load

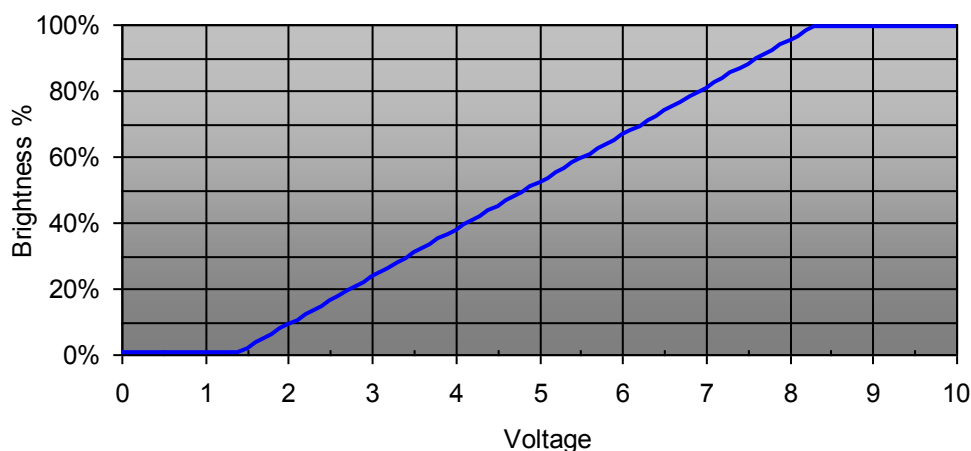


THD vs. Load



Dimming

Dimming Characteristics



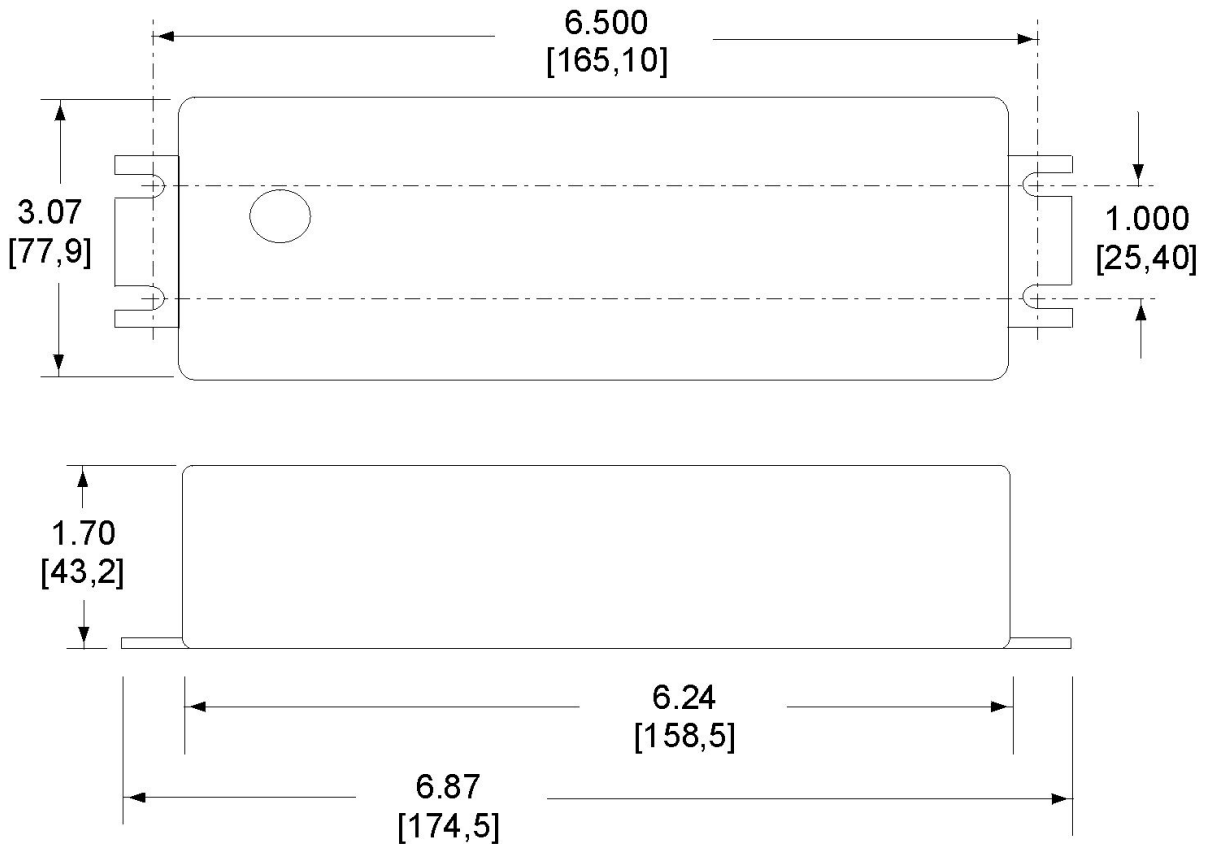
Dimming Control

Parameter	Min.	Typ.	Max.	Notes
Absolute maximum voltage on the 0~10 V input pin	0 V	-	12 V	
Source current on 0~10 V input pin	0 μ A	-	1 mA	

The dimmer control may be operated from either potentiometer or from an input signal of 0~10 Vdc.

Do not connect Dim- (GREY) wire with V- (BLUE) wire.

Mechanical Dimensions



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