

Reliant® Electronic Ballasts

For T8 *Reliant* and T8 HO Lamps

- ◆ 120 volt primary rating
- ◆ Three models cover one to six 6, 7, and 8-foot lamps as well as one to four 5-foot lamps
- ◆ Suitable for 8-foot T8HO and as 8-foot T8 Reliant lamps
- ◆ Lamp starting down to -20°F (-30°C)
- ◆ Operating temperature -20°F to 122°F (-29°C to 50°C)
- ◆ Class P, inherently thermally protected
- ◆ Parallel lamp operation - when one lamp fails the others continue to operate



Use **FRANCE Reliant** ballasts with our Long Life (60,000 hours) + *Reliant* lamps. The *Reliant* Lamp and Ballast system rivals any other sign-illumination source, including LED systems*:

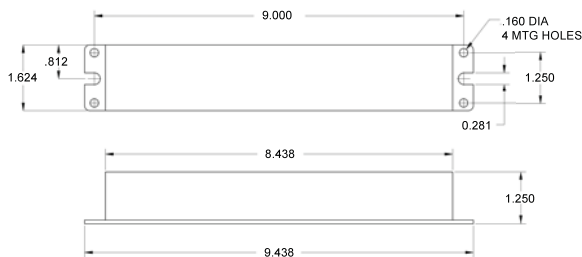
- ◆ Greater Light Output (Lumens per watt)
 - ◆ 50% more light than T12 magnetic
 - ◆ 10% more than comparable LED
- ◆ Longer Life – 60,000 hours vs. 12,000 hours for Magnetic T12 systems and 50,000 hours for LED
- ◆ Increased Energy Savings – up to 25% savings vs T12 Magnetic – Comparable with LED
- ◆ Lower Acquisition costs - \$100s less than comparable LED systems



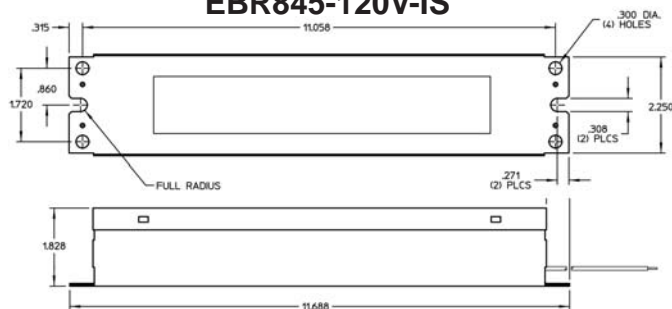
*Comparison based on double-faced sign using four 5' T8 *Reliant* lamps

INPUT PARAMETERS	FOR MAX 5-FT LAMPS			FOR MAX 8-FT LAMPS		
	2-LAMP	4-LAMP	2-LAMP	4-LAMP	6-LAMP	
	EB25A-120/277V	EBR845-120V-IS	EBR828-120V-IS2	EBR848-120V-IS2	EBR868-120V-IS	
Nominal line voltage	120 volts, 50-60Hz	120 volts, 50-60Hz	120 volts, 50-60Hz	120 volts, 50-60Hz	120 volts, 50-60Hz	
Line voltage operating range	108 - 305 volts	108 - 132 volts	108 - 132 volts	108 - 132 volts	108 - 132 volts	
Maximum input current (at 120/277 volts)	0.78 amps / 0.34 amp	1.5 amps	1.2 amps	2.5 amps	3.8 amps	
Power factor	greater than 90%	greater than 90%	greater than 90%	greater than 90%	greater than 90%	
Total harmonic distortion	less than 10%	less than 10%	less than 10%	less than 10%	less than 10%	
EMI conformance	FCC Part 18, Class A	FCC Part 18, Class A	FCC Part 18, Class A	FCC Part 18, Class A	FCC Part 18, Class A	
OUTPUT PARAMETERS						
Open circuit voltage	1000 volts	750 volts	980 volts	980 volts	980 volts	
Maximum/Minimum Lamp Load	2 to 10 feet	6 to 20 feet	2 to 16 feet	4 to 32	8 to 48 feet	
Number of lamps	1 or 2	3 or 4	1 or 2	2, 3 or 4	4, 5, or 6	
Maximum lamp length any one output	5 feet	5 feet	8 feet	8 feet	8 feet	
Lamp wiring configuration	Parallel	Parallel	Parallel	Parallel	Parallel	
Type starting	Instant	Instant	Instant	Instant	Instant	
Lamp starting temperature	-20°F (-30°C)	-20°F (-30°C)	-20°F (-30°C)	-20°F (-30°C)	-20°F (-30°C)	
Dimmable	No	No	No	No	No	
PHYSICAL PARAMETERS						
Dimensions	See drawings below					
Enclosure material	Gray metallic	Grey metallic	Painted aluminum, white	Painted aluminum, white	Painted aluminum, white	
Input lead length	2 feet	2 feet	2 feet	2 feet	2 feet	
Output lead length	8 feet	10 feet	8 feet	10 feet	12 feet	
Operating temperature range	-20°F to 122°F (-29°C to 50°C)	-20°F to 122°F (-29°C to 50°C)	-20°F to 122°F (-29°C to 50°C)	-20°F to 122°F (-29°C to 50°C)	-20°F to 122°F (-29°C to 50°C)	
Maximum allowable case temperature	194°F (90°C)	194°F (90°C)	194°F (90°C)	194°F (90°C)	194°F (90°C)	
Agency approvals	cULus Type 1 Outdoor, CSA		cULus Type 2 Outdoor, CSA	cULus Type 2 Outdoor, CSA	cULus Type 2 Outdoor, CSA	
Warranty	France warrants Powerbrite ballasts to be free from manufacturing defects and workmanship for a period of four years. Warranty is voided if operated beyond the temperature guidelines above.					

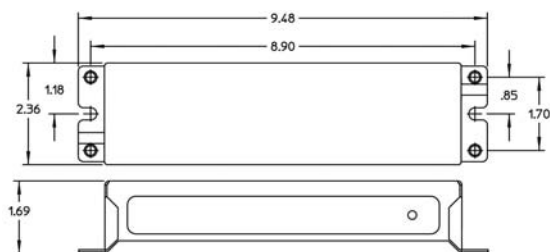
EB25A-120V



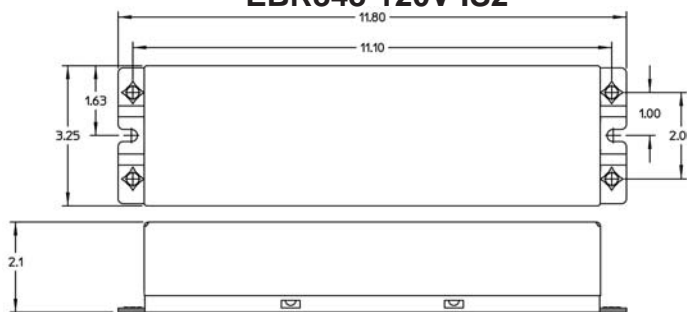
EBR845-120V-IS



EBR828-120V-IS2



EBR848-120V-IS2



EBR868-120V-IS2

