

## Reliant<sup>®</sup> 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\*:

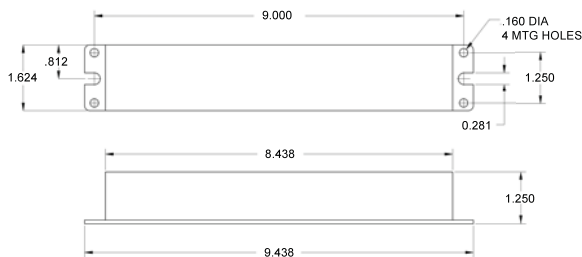
- ◆ Greater Light Output (Lumens per watt)
  - ◆ 50% more light than T12 magnetic
  - ◆ 10% more than comparable LED
- ◆ Longer Life – 60,000 hours vs. 12,000 hours for Magnetic T12 systems and 50,000 hours for LED
- ◆ Increased Energy Savings – up to 25% savings vs T12 Magnetic – Comparable with LED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



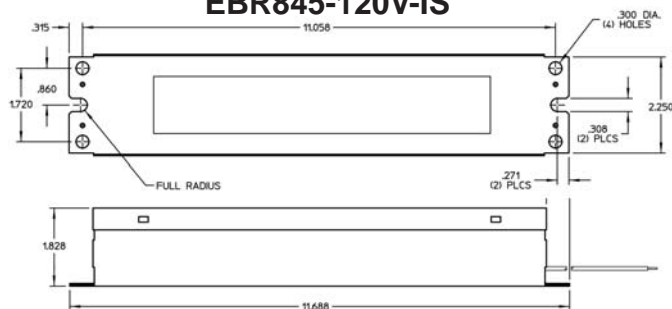
\*Comparison based on double-faced sign using four 5' T8 *Reliant* lamps

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
<b>OUTPUT PARAMETERS</b>					
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
<b>PHYSICAL PARAMETERS</b>					
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.				

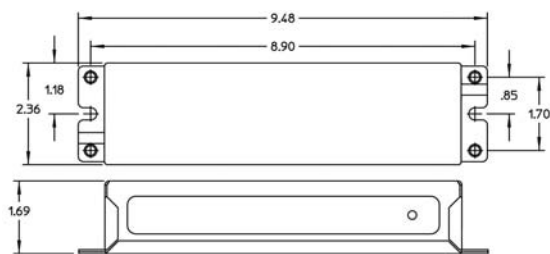
## EB25A-120V



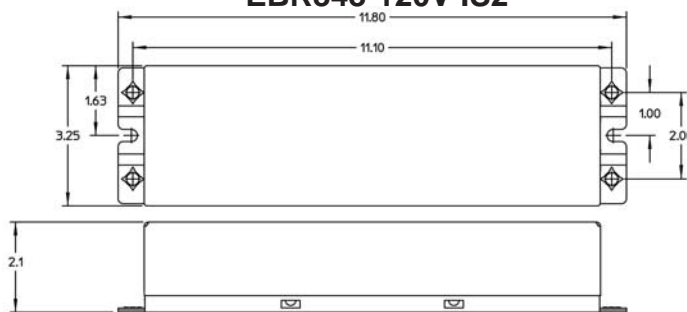
## EBR845-120V-IS



## EBR828-120V-IS2



## EBR848-120V-IS2



## EBR868-120V-IS2

