


## powerbrite Electronic Ballasts

### For T12HO and T8HO Lamps

France has listened to your comments – the result is **powerbrite Gen II**.



#### Features include:

- ◆ Dual 120/277 volt primary rating
- ◆ Only 3 ballasts required to cover 2 to 48 feet
- ◆ Now includes EBP12410-120/277V-IS ballast for 1 to 4, 10-ft lamps. Also for 1 to 4, 8-ft T8HO lamps
- ◆ Use with 6-foot T8HO as well as 8-foot T12HO lamps
- ◆ Easy to use instant start, parallel lamp wiring
- ◆ Series lamps allowed on each output
- ◆ 30% energy savings over magnetic ballasts
- ◆ Lamp starting down to -20°F (-30°C)
- ◆ Operating temperature -20°F to 122°F (-29°C to 50°C)
- ◆ Class P thermally protected, Outdoor Type 2
- ◆ Title 24 Compliant 
- ◆ 5 year warranty



INPUT PARAMETERS	FOR MAX 8-FT LAMPS			FOR MAX 10-FT LAMPS
	2-LAMP	4-LAMP	6-LAMP	4-LAMP
	EBP1228-120/277V-IS	EBP1248-120/277V-IS	EBP1268-120/277V-IS	EBP12410-120/277V-IS
Nominal line voltage	120/277 volts, 50-60Hz	120/277 volts, 50-60Hz	120/277 volts, 50-60Hz	120/277 volts, 50-60Hz
Line voltage operating range	108 - 305 volts	108 - 305 volts	108 - 305 volts	108 - 305 volts
Maximum input current (at 120/277 volts)	1.2 amps / 0.5 amp	2.4 amps / 1.05 amps	3.5 amps / 1.5 amps	3.0 amps / 1.35 amps
Power factor	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%
EMI conformance	FCC Part 18, Class A	FCC Part 18, Class A	FCC Part 18, Class A	FCC Part 18, Class A

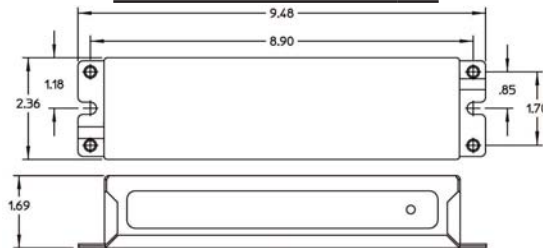
OUTPUT PARAMETERS

Open circuit voltage	800 volts	800 volts	860 volts	1100 volts
Maximum/Minimum Lamp Load	T12HO	2 to 16 feet	4 to 32	8 to 48 feet
	T8HO	4 to 12 feet	4 to 24	16 to 36 feet
Number of lamps	1 or 2	1, 2, 3 or 4	4, 5, or 6	1, 2, 3, or 4
Maximum lamp length any one output	T12HO	8 feet	8 feet	8 feet
	T8HO	6 feet	6 feet	6 feet
Lamp wiring configuration	Parallel	Parallel	Parallel	Parallel
Type starting	Instant	Instant	Instant	Instant
Lamp starting temperature	-20°F (-30°C)	-20°F (-30°C)	-20°F (-30°C)	-20°F (-30°C)
Dimmable	No	No	No	No

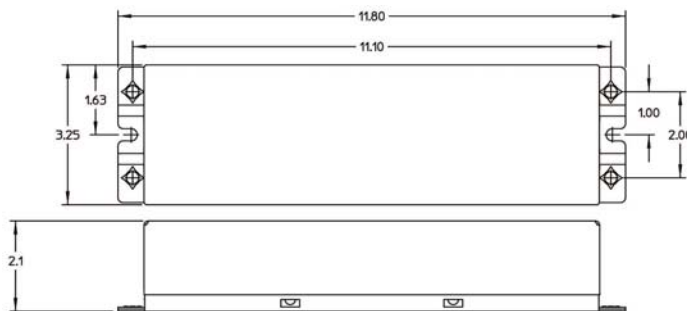
PHYSICAL PARAMETERS

Dimensions	See drawings below			
Enclosure material	Painted aluminum, white	Painted aluminum, white	Painted aluminum, white	Painted aluminum, white
Input lead length	2 feet	2 feet	2 feet	2 feet
Output lead length	8 feet	10 feet	12 feet	11 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)
Maximum allowable case temperature	194°F (90°C)	194°F (90°C)	194°F (90°C)	194°F (90°C)
Agency approvals	cULus Type 2 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.			

**EBP1228-120/277V-IS**



**EBP1248-120/277V-IS**



**EBP1268-120/277V-IS & EBP12410-120/277V-IS**

