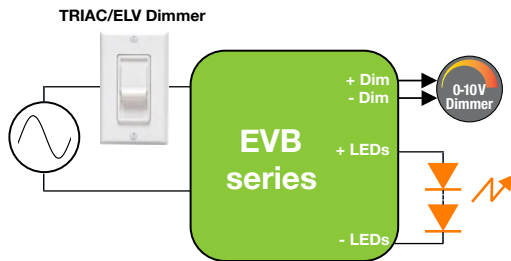


### Tri-Mode Dimming™ (0-10 V & TRIAC/ELV) Constant Current LED Drivers with Fast Startup Time

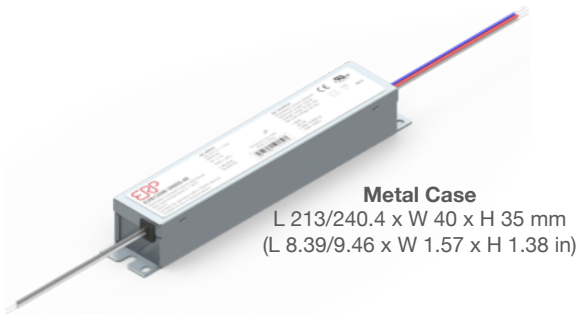
Input Voltage	Max. Output Power	Output Voltage	Output Current	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range	Startup Time
120 to 277 Vac nominal	120 W	30-42 V	1.8-2.3 A CC	up to 87% typical	90°C (measured at the hot spot)	< 20%	> 0.9	Forward-Phase, Reverse-Phase & 0 - 10V	1 - 100% (% of Iout)	400 ms

CC: Constant Current



ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range (Vdc)	
				Min	Max
EVB080W: up to 80 W					
EVB080W-1800S-42	120 - 277	1800	75.6	30	42
EVB100W: 91 to 100 W					
EVB100W-2300S-40	120 - 277	2300	92	30	40

Notes:  
1. Not Class 2



**Metal Case**  
L 213/240.4 x W 40 x H 35 mm  
(L 8.39/9.46 x W 1.57 x H 1.38 in)

#### APPLICATIONS

- Street Lights
- Industrial LED Lighting
- Troffers
- Outdoor LED Lighting

#### FEATURES

- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- TRIAC and ELV dimming only at 120 Vac
- Outdoor surge protection: 3 kV line to line/6 kV line to earth
- Linear 0-10V dimming transfer function: 10V=100%, 1V=10%, 0.1V=1%
- Can also be offered with two and three channels
- Protections: output open load, over-current and short-circuit (hiccup), and over-temperature with auto recovery
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac)/Class A (277 Vac) and EN55015 (CISPR 15) at 220/230/240 Vac
- Complies with ENERGY STAR® luminaire specification and DLC (DesignLight Consortium®) technical requirements
- IP66-rated case with silicone-based potting
- Lifetime: 50,000 hours min at 70°C case temperature
- 90°C maximum case hot spot temperature
- Class 2 power supply (some models only)



**CHINA Operations**  
tel: +86-756-6266298  
No. 8 Pingdong Road 2  
Zhuhai, Guangdong, China 519060

[www.erp-power.com](http://www.erp-power.com)

[SaveEnergy@erp-power.com](mailto:SaveEnergy@erp-power.com)

**USA Headquarters**  
tel: +1-805-517-1300  
893 Patriot Drive, Suite E  
Moorpark, CA 93021, USA