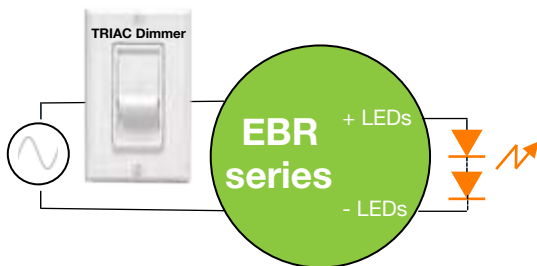


## Constant Current LED Drivers with Deep TRIAC and ELV Dimming (1 – 100%) and with Fast Startup Time

Nominal Input Voltage	Max. Output Power	Output Voltage	Output Current	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range	Startup Time
120 Vac, 220/230/240 Vac	21 W	16 to 42 Vdc	200 to 700 mA CC	up to 85% typical	90°C (measured at the hot spot)	< 20%	> 0.9	Forward-Phase, Reverse-Phase	1 - 100% (% of Iout)	150 ms typical

CC: Constant Current



**Plastic Case**  
Diameter: 58 mm (2.28 in)  
Height: 31.7 mm (1.25 in)

### FEATURES

- Compatible with industry standard TRIAC (forward-phase or leading-edge) & ELV (reverse-phase or trailing-edge) phase-cut dimmers
- Lifetime: 50,000 hours min at 70°C case temperature
- 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 at 120 Vac and EN55015 (CISPR 15) at 220/230/240 Vac
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- IP20-rated case with silicone-based potting
- 94V-0 flammability rating
- 90°C maximum case hot spot temperature
- Class 2 power supply



	ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range (Vdc)	
					Min	Max
120 VAC NOMINAL INPUT VOLTAGE	<b>EBR010U: 8 to 10 W</b>					
	EBR010U-0200-42	120	200	8.4	30	42
	EBR010U-0250-42	120	250	10.5	30	42
	EBR010U-0440-24	120	440	10.6	16	24
	EBR010U-0700-14	120	700	9.8	9	14
	<b>EBR015U: 11 to 15 W</b>					
	EBR015U-0300-42	120	300	12.6	30	42
	EBR015U-0350-32	120	350	11.2	21	32
	EBR015U-0350-42	120	350	14.7	30	42
	EBR015U-0440-36	120	440	15.8	24	36
	EBR015U-0500-28	120	500	14.0	20	28
	<b>EBR020U: 16 to 21 W</b>					
	EBR020U-0400-42	120	400	16.8	30	42
	EBR020U-0460-42	120	460	19.3	30	42
	EBR020U-0500-32	120	500	16.0	21	32
	EBR020U-0500-37	120	500	18.5	25	37
	EBR020U-0500-42	120	500	21.0	30	42
	EBR020U-0700-24	120	700	16.8	16	24
EBR020U-0700-30	120	700	21.0	20	30	
EBR020U-0720-21	120	720	15.1	14	21	
EBR020U-0720-28	120	720	20.2	19	28	
230 VAC NOMINAL INPUT VOLTAGE	<b>EBR010E: 8 to 10 W</b>					
	EBR010E-0200-42	220 to 240	200	8.4	30	42
	EBR010E-0250-42	220 to 240	250	10.5	30	42
	<b>EBR015E: 11 to 15 W</b>					
	EBR015E-0350-42	220 to 240	350	14.7	30	42
	EBR015E-0440-36	220 to 240	440	15.8	24	36
	<b>EBR020E: 16 to 21 W</b>					
	EBR020E-0400-42	220 to 240	400	16.8	30	42
EBR020E-0500-42	220 to 240	500	21.0	30	42	

For additional options of output current and output voltage, contact your sales representative or send an email to: [SaveEnergy@erp-power.com](mailto:SaveEnergy@erp-power.com)

### APPLICATIONS

- Recessed lighting (downlights)
- Commercial & Residential lighting
- Architectural lighting



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