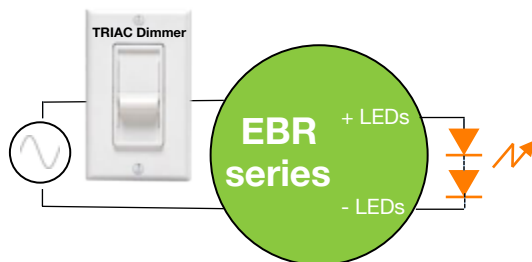


## Constant Current LED Drivers with Deep TRIAC and ELV Dimming (1 – 100%) and with Fast Startup Time

Nominal Input Voltage	Max. Output Power	Output Voltage	Output Current	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range	Startup Time
120 or 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)	200 ms

CC: Constant Current



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

### FEATURES

- Compatible with industry standard phase-cut dimmers: TRIAC (forward-phase or leading-edge) and ELV (reverse-phase or trailing-edge)
- Lifetime: 50,000 hours or more at 70°C case hot spot temperature 90°C maximum case hot spot temperature
- Low acoustic noise of 20 dBA
- Class 2 power supply
- 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 and 240 Vac
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- IP20-rated case with silicon-based potting
- Worldwide Safety approvals



	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	19	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-CE	220/230/240	200	8.4	30	42
	EBR010E-0250-42-CE	220/230/240	250	10.5	30	42
	<b>EBR015E: 11 to 15 W</b>					
	EBR015E-0350-42-CE	220/230/240	350	14.7	30	42
	EBR015E-0440-36-CE	220/230/240	440	15.8	24	36
	<b>EBR020E: 16 to 21 W</b>					
	EBR020E-0400-42-CE	220/230/240	400	16.8	30	42
EBR020E-0500-42-CE	220/230/240	500	21.0	30	42	

**Notes:**

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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