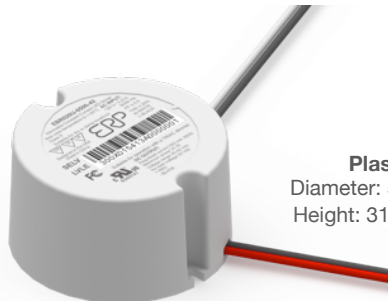
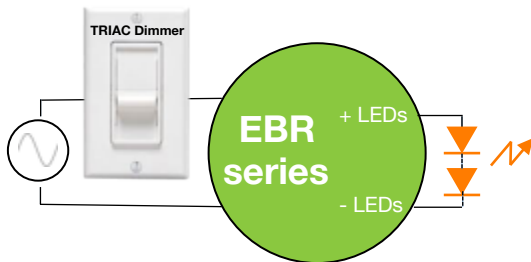


Constant Current LED Drivers with Deep TRIAC and ELV Dimming (1 – 100%) and with Fast Startup Time

| 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 | | | | | |
| EBR010U: 8 to 10 W | | | | | |
| 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 |
| EBR015U: 11 to 15 W | | | | | |
| 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 |
| EBR020U: 16 to 21 W | | | | | |
| 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 | | | | | |
| EBR010E: 8 to 10 W | | | | | |
| EBR010E-0200-42-CE | 220/230/240 | 200 | 8.4 | 30 | 42 |
| EBR010E-0250-42-CE | 220/230/240 | 250 | 10.5 | 30 | 42 |
| EBR015E: 11 to 15 W | | | | | |
| EBR015E-0350-42-CE | 220/230/240 | 350 | 14.7 | 30 | 42 |
| EBR015E-0440-36-CE | 220/230/240 | 440 | 15.8 | 24 | 36 |
| EBR020E: 16 to 21 W | | | | | |
| 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

APPLICATIONS

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



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