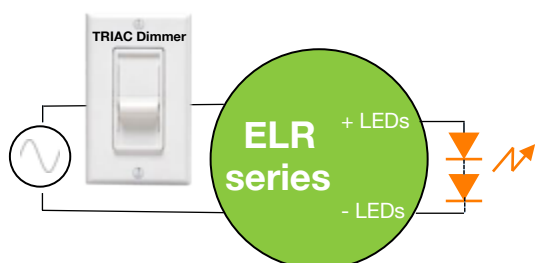


Constant-Current LED Drivers with Flicker-Free Phase-Cut, Forward and Reverse-Phase, Dimming

Input Voltage	Max. Output Power	Output Voltage	Output Current	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range
120 or 230 Vac nominal	18 W	12 to 42 Vdc	200 mA to 1.00 A CC	up to 84% typical	90°C (measured at the hot spot)	< 20%	> 0.9	Forward-Phase, Reverse-Phase	10 - 100% (% of Iout)

CC: Constant Current



Plastic Case
Diameter: 66 mm (2.6 in)
Height: 30 mm (1.18 in)

ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range (Vdc)	
				Min	Max
ELR009U: 6 to 9 W					
ELR009U-0200-42	120	200	8.4	24	42
ELR018U: 13 to 18 W					
ELR018U-0700-24	120	700	16.8	14	24
ELR018E: 13 to 18 W					
ELR018E-1000-18	230	1000	18.0	12	18

FEATURES

- **NOT RECOMMENDED FOR NEW DESIGNS. FOR NEW DESIGNS, USE THE EBR SERIES.**
- Active power factor correction (PF) > 0.9 (PF ≥ 0.8 for 230 Vac models below 10 W) and THD < 20%
- Compatible with industry standard TRIAC (forward-phase or leading-edge) / ELV (reverse-phase or trailing-edge) phase-cut dimmers
- Protections: output open load, over-current and short-circuit (hiccup), and over-temperature with auto recovery
- Conducted and radiated EMI: FCC CFR Title 47 Part 15 Class B at 120 Vac and EN55015 (CISPR 15) at 220/230/240 Vac
- Complies with ENERGY STAR® luminaire specification and DLC (DesignLight Consortium®) technical requirements
- IP20-rated case with silicone-based potting
- 94V-0 flammability rating
- 90°C maximum case hot spot temperature
- Lifetime: 50,000 hours min at 70°C case temperature
- Class 2 power supply

APPLICATIONS

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



CHINA Operations

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

www.erp-power.com

SaveEnergy@erp-power.com

USA Headquarters

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