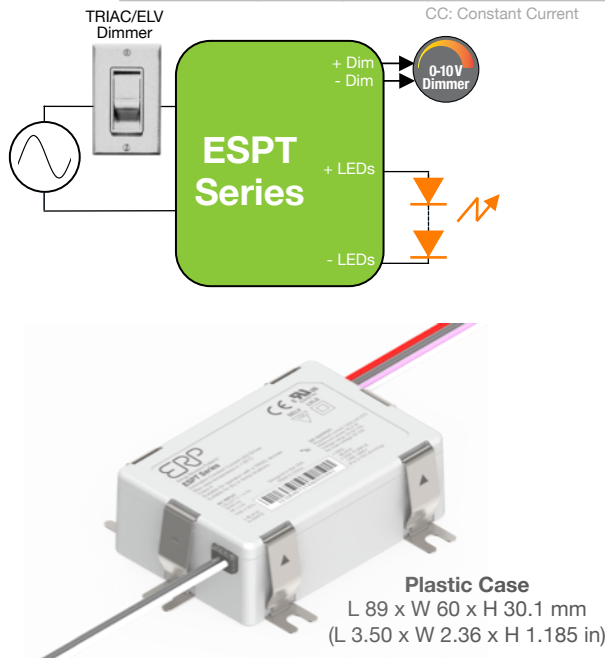


Constant Current LED Drivers with Tri-Mode Dimming™ (0-10 V & TRIAC/ELV)

Nominal 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	60 W	24 to 42 Vdc	1050 mA to 1.4 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 lout)	300 ms typical



ERP Part Number	Nominal Input Voltage (Vac)	I _{out} (mA)	Max Output Power (W)	Output Voltage Range	
				Min	Max
120-277 VAC NOMINAL INPUT VOLTAGE					
ESPT040W: 30-40W					
ESPT040W-0700-56	120 - 277	700	39.2	40	56
ESPT040W-0800-42-Z1 ⁽¹⁾	120 - 277	800	33.6	24	42
ESPT040W-0900-42-Z1 ⁽¹⁾	120 - 277	900	37.8	24	42
ESPT050W: 41-50W					
ESPT050W-1050-42-Z1 ⁽¹⁾	120 - 277	1050	44.1	24	42
ESPT050W-1200-42-Z1 ⁽¹⁾	120 - 277	1200	50.4	24	42
ESPT050W-1400-34	120 - 277	1400	47.6	23	34
ESPT060W: 51-60W					
ESPT060W-1400-42-Z1 ⁽¹⁾	120 - 277	1400	58.8	24	42
220-240 VAC NOMINAL INPUT VOLTAGE					
ESPT040E: 30 to 40 W					
ESPT040E-0800-42	220/230/240	800	33.6	24	42
ESPT040E-0900-42	220/230/240	900	37.8	24	42
ESPT050E: 41 to 50 W					
ESPT050E-1050-42	220/230/240	1050	44.1	24	42
ESPT050E-1200-42	220/230/240	1200	50.4	24	42
ESPT060E: 41 to 50 W					
ESPT060E-1400-42	220/230/240	1400	58.8	24	42

- 1) Models with the "Z1" suffix exhibit a non-linear 0-10V dimming profile (10V to 9.1V=100%, 1V to 0.8V=1%, <0.8V dim-to-off).
- 2) For additional options of output current and output voltage, contact your sales representative or send an email to: SaveEnergy@erp-power.com.

FEATURES

- Same as ESP series but with thermally-enhanced IP66 case
- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- ESPTxxxW: TRIAC and ELV dimming only at 120 Vac.
- ESPTxxxE: TRIAC and ELV dimming only at 230 Vac.
- Linear 0-10 V dimming transfer function: 10V=100%, 1V=10%, 0.1V=1%. Models with the "Z1" exhibit a non-linear 0-10V dimming profile (10V to 9.1V=100%, 1V to 0.8V=1%, <0.8V dim-to-off).
- Lifetime: 50,000 hours at 70°C case temperature
- 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®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- IP66-rated case with silicone-based potting
- 90°C maximum case temperature
- Class 2 power supply

APPLICATIONS

- Commercial lighting
- Architectural lighting
- Residential lighting
- Wide-area downlights

