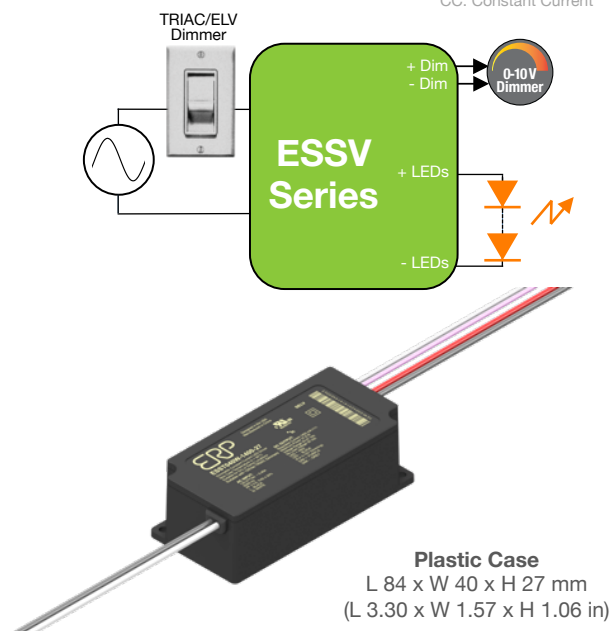


6 to 40 W Constant Current LED Drivers with Tri-Mode Dimming™ (TRIAC, ELV & 0-10)

| 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 | 40 W | 20 to 42 Vdc | 250 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 Iout) | 400 ms |

CC: Constant Current



Plastic Case
L 84 x W 40 x H 27 mm
(L 3.30 x W 1.57 x H 1.06 in)

| 120-277 VAC NOMINAL INPUT VOLTAGE | ERP Part Number | Nominal Input Voltage (Vac) | Iout (mA) | Max Output Power (W) | Output Voltage Range (Vdc) | |
|-----------------------------------|----------------------|-----------------------------|-----------|----------------------|----------------------------|-----|
| | | | | | Min | Max |
| | ESSV010W: up to 10 W | | | | | |
| | ESSV010W-0250-42 | 120 to 277 | 250 | 10.5 | 24 | 42 |
| | ESSV015W: 11 to 15 W | | | | | |
| | ESSV015W-0300-42 | 120 to 277 | 300 | 12.6 | 24 | 42 |
| | ESSV020W: 16 to 20 W | | | | | |
| | ESSV020W-0400-42 | 120 to 277 | 400 | 16.8 | 24 | 42 |
| | ESSV030W: 21 to 30 W | | | | | |
| | ESSV030W-0500-42 | 120 to 277 | 500 | 21.0 | 24 | 42 |
| ESSV030W-0620-42 | 120 to 277 | 620 | 26.0 | 24 | 42 | |
| ESSV030W-0700-42 | 120 to 277 | 700 | 29.4 | 24 | 42 | |
| ESSV040W: 31 to 40 W | | | | | | |
| ESSV040W-0900-42 | 120 to 277 | 900 | 37.8 | 24 | 42 | |
| ESSV040W-1400-27 | 120 to 277 | 1400 | 37.8 | 20 | 27 | |

Notes:

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

APPLICATIONS

- Indoor & outdoor • Recessed lighting (downlights)
- Commercial & residential lighting • Architecture Lighting
- Office Lighting

FEATURES

- Same features as ESS/ESST series but with 5VA flammability, UL Class P and a thermally-enhanced plastic case
- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- UL Class P
- 90°C maximum case hot spot temperature
- Class 2 power supply
- Lifetime: 50,000 hours at 70°C case hot spot temperature (some models have higher lifetime. Check lifetime curves in page 6)
- IP66-rated case with silicone-based potting
- 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 (120 Vac) and Class A (277 Vac)
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- Worldwide safety approvals

