



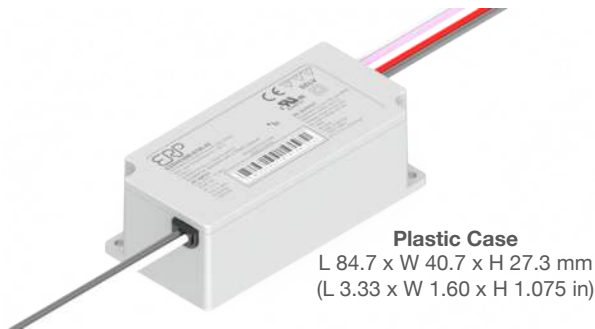
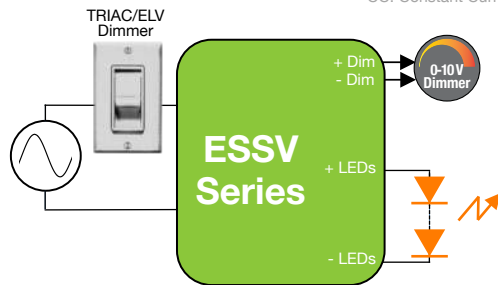
# ESSV Series

ESSV010	6-10 W
ESSV015	11-15 W
ESSV030	21-30 W
ESSV040	31-40 W

## CC LED Drivers with Tri-Mode Dimming™ (0-10 V & TRIAC/ELV), UL Class P and 5VA

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 to 1400 mA 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)	300 ms typical

CC: Constant Current



ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range (Vdc)	
				Min	Max
<b>ESSV010W: up to 10 W</b>					
ESSV010W-0250-42	120 to 277	250	10.5	24	42
<b>ESSV015W: 11 to 15 W</b>					
ESSV015W-0300-42	120 to 277	300	12.6	24	42
<b>ESSV020W: 16 to 20 W</b>					
ESSV020W-0400-42	120 to 277	400	16.8	24	42
<b>ESSV030W: 21 to 30 W</b>					
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
<b>ESSV040W: 31 to 40 W</b>					
ESSV040W-0900-42	120 to 277	900	37.8	24	42
ESSV040W-1400-27	120 to 277	1400	37.8	20	27

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

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

### FEATURES

- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- Linear 0-10V dimming transfer function (10V=100%, 1V=10%, 0.1V=1%). Non-linear 0-10V dimming profile available upon request.
- Lifetime: 50,000 hours min at 70°C case temperature
- 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)/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 thermally-enhanced case with silicone-based potting
- UL class P
- 5VA flammability rating
- 90°C maximum case hot spot temperature
- Class 2 power supply



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