



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

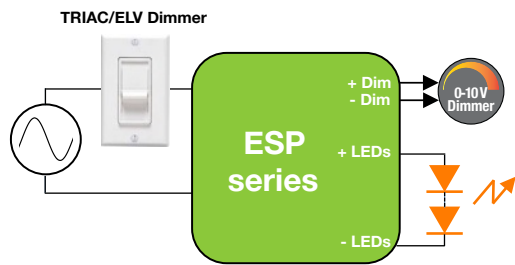
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Tri-Mode Dimming™ (0-10 V & TRIAC/ELV) Constant Current LED Drivers 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 to 277 Vac, 220 to 240 Vac	60 W	21 to 56 Vdc	700 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)	300 ms typical

CC: Constant Current



Plastic Case
 L 87 x W 60 x H 27.2 mm
 (L 3.43 x W 2.36 x H 1.07 in)

FEATURES

- **NOT RECOMMENDED FOR NEW DESIGNS. FOR NEW DESIGNS, USE THE ESPT SERIES.**
- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- ESPxxxW: TRIAC and ELV dimming only at 120 Vac.
- ESPxxxE: TRIAC and ELV dimming only at 230 Vac.
- Linear 0-10V dimming transfer function: 10V=100%, 1V=10%, 0.1V=1%
- 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
- IP64-rated case with silicone-based potting
- 90°C maximum case hot spot temperature
- Class 2 power supply



CA Title 24



ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range (Vdc)	
				Min	Max
120 to 277 VAC NOMINAL INPUT VOLTAGE					
ESP040W: 30 to 40W					
ESP040W-0700-56	120 to 277	700	39.2	40	56
ESP040W-0800-42	120 to 277	800	33.6	24	42
ESP040W-0850-42	120 to 277	850	35.7	24	42
ESP040W-0900-42	120 to 277	900	37.8	24	42
ESP040W-0940-33-SS-F1 ⁽¹⁾	120 to 277	940	31.0	28	33
ESP040W-0940-43	120 to 277	940	40.4	35	43
ESP050W: 41 to 50W					
ESP050W-1050-42	120 to 277	1050	44.1	24	42
ESP050W-1200-42	120 to 277	1200	50.4	24	42
ESP050W-1400-32	120 to 277	1400	44.8	21	32
ESP050W-1400-34	120 to 277	1400	47.6	23	34
ESP060W: 51 to 60W					
ESP060W-1400-42	120 to 277	1400	58.8	24	42
220 to 240 VAC NOMINAL INPUT VOLTAGE					
ESP040E: 30 to 40 W					
ESP040E-0800-42	220 to 240	800	33.6	24	42
ESP040E-0850-42	220 to 240	850	35.7	24	42
ESP040E-0900-42	220 to 240	900	37.8	24	42
ESP050E: 41 to 50 W					
ESP050E-1050-42	220 to 240	1050	44.1	24	42
ESP050E-1200-42	220 to 240	1200	50.4	24	42
ESP060E: 41 to 50 W					
ESP060E-1400-42	220 to 240	1400	58.8	24	42

Notes:

1. The ESP040W-0940-33-SS-F1 is specifically intended to drive the Cree LMH2 3000 sunset module and exhibits a customized 0-10V dimming transfer function. It will not work with any other LED or LED string.

APPLICATIONS

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

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