

**Description:**

EFC-15D series, No 100/120Hz flicker; long-life LED Driver with Rubycon long life capacitors, long life, high efficiency, high power factor, compatible with TRIAC dimming, no flicker, instant start, dimming can be simultaneously a large area. Meets IEC 61000-4-5 ringwave, IEC 61000-3-2 Class C harmonics and EN55015 B conducted EMI



1. No Visible Flicker - No Invisible or Imperceptible Flicker
2. High efficiency 85%, high power factor (> 0.95)
3. TRIAC dimmer compatible (including low cost leading edge type)
4. Protections: Short circuit / Overload / Over voltage / Over temperature
5. IP67 design for indoor or outdoor installations
6. 100% full load burn-in test
7. Suitable for LED lighting and LED sign applications
8. Compliance to worldwide safety regulations for lighting
9. 3 years warranty

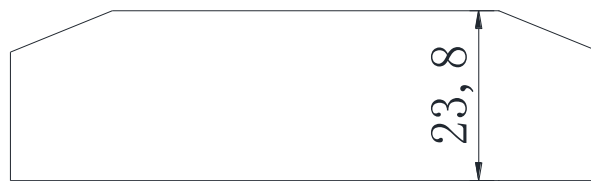
**SPECIFICATION**

MODEL		EFC-15D-1050	EFC-15D-700	EFC-15D-400	EFC-15D-350
OUTPUT	Rated current	1050mA	700mA	400mA	350mA
	Constant Current Region	9~14V	12~23V	24~42V	24~42V
	Current Accuracy	5%	5%	5%	5%
	Rated Power	14.7W	16.1W	16.8W	14.7W
	Setup time	<500 ms			
	Ripple & Noise	0.5% Operating Voltage			
INPUT	Voltage range	85~135VAC, 165~265VAC,			
	Power factor	PF> 0.95 at full load and rated output voltage			
	Max AC Current	0.4A/100VAC	0.2A/230VAC		
	Frequency range	47~65Hz			
	Efficiency (Typ.)	80%	82%	82%	85%
PROTECTION	Short Circuit	short circuit protection , Auto Recovery			
	Over Temperature	Maximum temperature of components inside the case			
	Over Voltage	14.5~18V	23.5~30V	42.5~48V	42.5~48V
ENVIRONMENT	Working TEMP	-25℃~50℃			
	Storage TEMP.	-40℃~80℃10 ~ 95% RH			
	Working Humidity	20 ~ 95% RH non-condensing			
	Vibration	10~500Hz 2G 10min/1cycle period for 60min. each along X, Y, Z axes			
	TEMP. coefficient	±0.03%/℃ (0~50℃)			
SAFETY & EMC	Safety Standards	CE EN 61347-1, EN61347-2-13 Design refer to UL1310 Class 2, IP67 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC			
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25 / 70% RH			
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
OTHER	MTBF	600KHours MIL-HDBK-217F (25℃)			
	Dimension	80x36x23.8mm			
	Weight	110g			

Direct connecting to LEDs is not using additional drivers is highly recommended

Before ordering, please confirm the sample.

Mechanical Specification

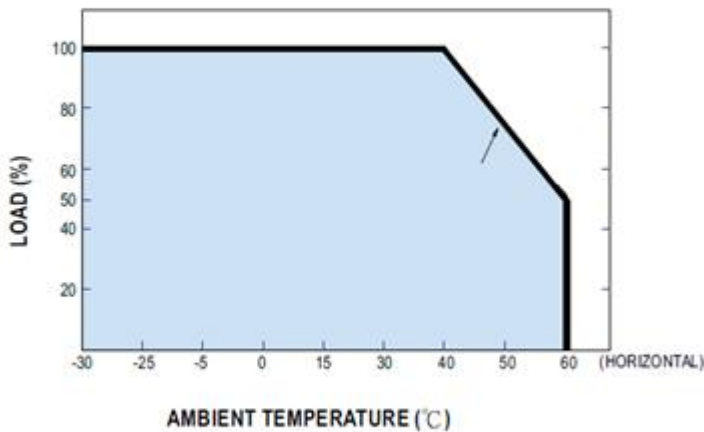


UNIT:mm

Dimmer Compatibility Chart:

place of production/ Manufacturer	MODEL	place of production/ Manufacturer	MODEL
Taiwan/ SG Electric	XH004186	USA/ Leviton	OB4911
Taiwan	D-2160B	USA / Lutron	GLR11-F38875
Taiwan	Y-25082A	Italy	RTS34DLI
Taiwan	Y-25088A	China / CLIPMEI	
Taiwan	WS-5005	China / MANK	MK/TG100001
		China / SB Electric	BM2
		China / TCL	L2.0
		China / Myongbo	
		China / EBAHuang	
		China / KBE	
		LUTRON	SKYLARK SF-12P-277
		JUNG	Licht-Management 225 TMD
		BERKER	Tronic-Drehdimmer 286710

Derating Curve



Static Characteristics

