

# Datasheet

## YSL12F-12W-CC Series

**FORTEC**  
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**YSL12F – 12W – CC SERIES**



**Input: 100-240VAC/200-240V 50-60Hz**  
**Output Current: Depend on requirement**  
**Rated Power: 12W max**

**Features**

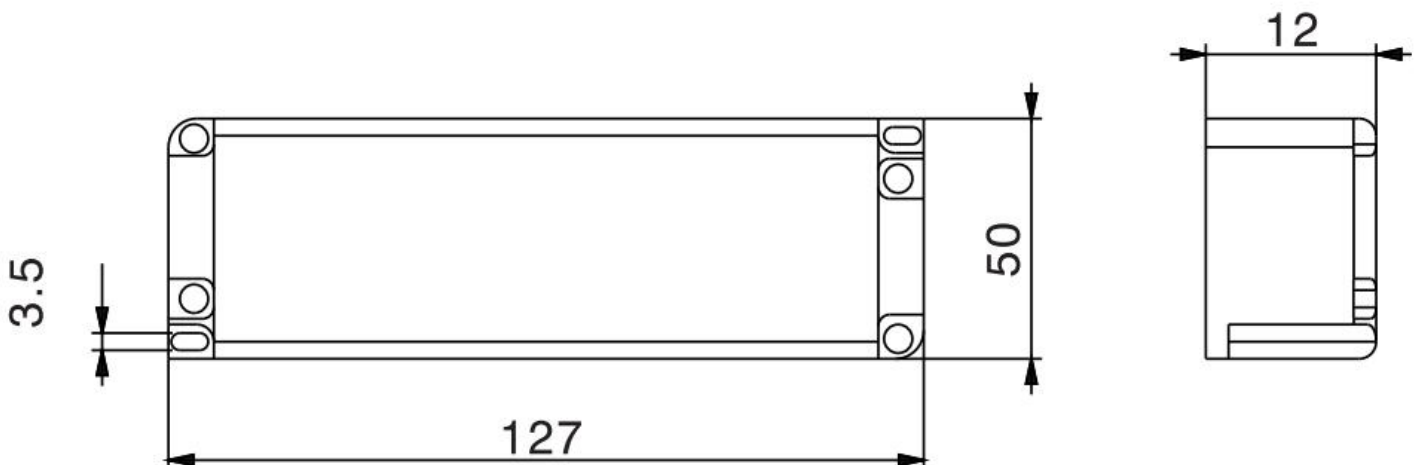
- Universal Input: 100-240V/200-240V AC 50-60Hz
- RoHS Compliance
- EMI Standard EN55015
- Safety Standard: EN61347-1, EN61347-2-13, UL8750
- Inrush current < 65A AC230V/50Hz
- High efficiency & low power consumption
- Short Circuit, Over Current and Over Voltage Protection
- Over temperature protection
- 100% full load burn-in test

**Application**

LED lights bring  
 LED indoor lighting  
 LED decorative lighting  
 LED building lighting



**■ Dimensions and Installation**



**YSL12F – 12W – CC SERIES**

MODEL DETAIL SPEC.		YSL12F-0350	YSL12F-500	YSL12F-700	YSL12F-750
INPUT	Input Voltage:	100-240VAC/ 200-240VAC			
	Input Frequency:	50-60Hz			
	Inrush Current:	65 Amps max. at 230VAC/50Hz,full load			
	AC Current:	0.68A/230VAC			
	Leakage Current:	< 0.25mA/240VAC			
	Efficiency:	78%	78%	78%	78%
OUTPUT	Rated current	350mA	500mA	700mA	750mA
	Voltage range	20-34V	12-24V	10-17V	10-16V
	Rated Power:	12W	12W	12W	12W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	<5%	<5%	<5%	<5%
	Line Regulation:	±3%			
	Load Regulation:	±5%			
	Setup, Rise, Hold Up time:	1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load			
ENVIRONMENTAL	Operating Temperature:	-20 ~ +50 (Refer to "Derating Curve")			
	Storage Temp:	-40°C ~ 85°C			
	Storage Humidity:	20 ~ 95% RH			
	Working Humidity:	20 ~ 95% RH non-condensing			
PROTECTION	Over Load:	Above 105%-130% rated output power			
		Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage:	12V:13.8 ~ 16.2V 24V:27.6 ~ 32.4V 36V:41.4~48.6V 48V : 55.2~64.8V			
		Protection type: Shut down o/p voltage, re-power on to recover			
Over Temperature:	Shut down o/p voltage, re-power on to recover				
SAFETY & EMC	Safety Regulations:	EN61347-2-13:2014+A1:2017,EN61347-1:2015;EN62493:2015			
	Withstand Voltage:	I/P-O/P:3750KVAC			
	Harmonic	EN61000-3-2 Class C EN61000-3-3			
	EMI:	Compliance to EN55015			
	EMS :	compliance to 61547:2009			
OTHER	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient			
	Size:	127*50*12mm			
	Weight:	50g / pcs			
	Packaging:	100PCS/CTN,36*28.5*25cm			

**YSL12F – 12W – CC SERIES**

**Deduction curve and temperature**



Environment temperature(°C)

**Minus output and input voltage curves**



Input voltage(VAC)

**Functional Diagram**



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