

## LED Driver C.C Model

## PWM 350mA Series

### Design Highlight:

- Independent Type,IP20 Protection
- Constant current design for high-Power LED
- Universal Full Range input.
- Long Life version
- High PFC >0.80 minimum
- High Efficiency >0.70 minimum
- 100% Hi-pot test
- High Reliability
- Single output channel
- Rohs compliant
- 10% - 100% brightness adjustable



### General Spec

Input Voltage : 90Vac- 264Vac  
 Input Frequency: 47Hz-63Hz

Operating Temperature: -20°C to +60°C  
 Storage Temperature: -20°C to +85°C  
 Operating humidity: 20% to 85% RH  
 Storage humidity: 10% to 95% RH

### Compliance below international Standards

EMI Standards: EN55015 EN61347-1  
 EMS Standards: IEC 61000  
 Safety Compliance: Class II EN61347-2-13  
 EN60950-1 CE  
 UL 8750

### MTBF:

Life Test: 50.000 hours at 240Vac & ambient 60°C  
 Hi-pot Test: 3000Vac 1sec working current  $\leq$ 5mA  
 Leakage Current: 240V/50Hz/0.25mA max  
 Complete Protection: Short Circuit,Over Voltage,Over Power  
 Over Temperatur ,Fuse Protection

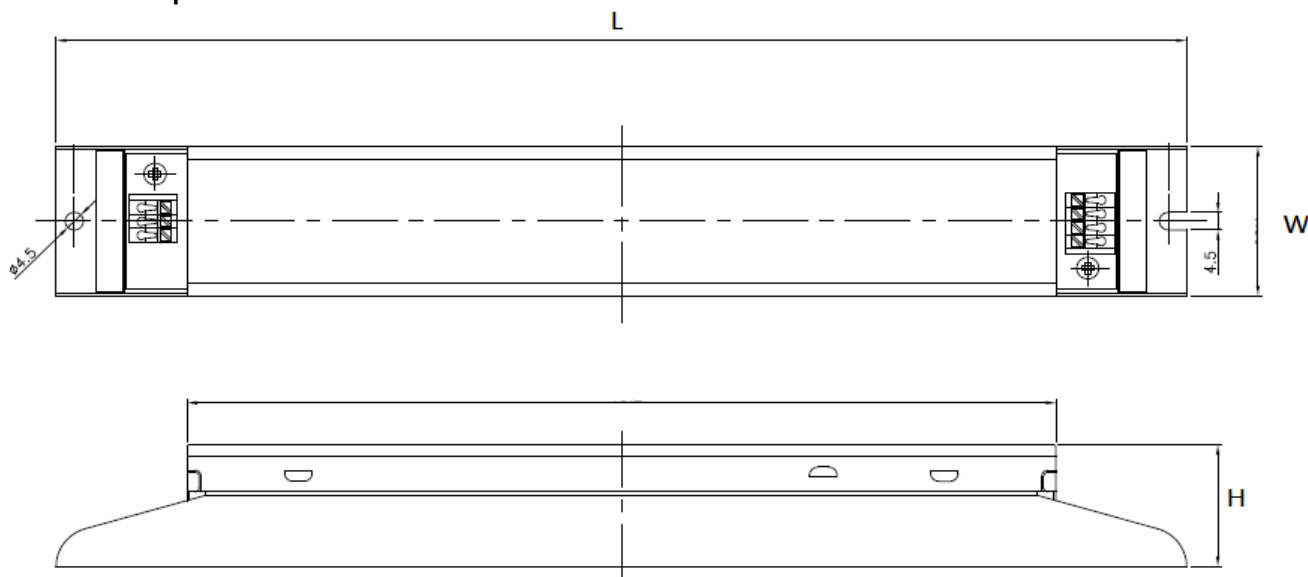
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Model	O/P Wattage	Output Rating			Efficiency*	PF**	Dimension (mm)		
		V <sub>min</sub>	V <sub>max</sub>	I <sub>cc</sub>			L	W	H
FSP012-1ZL10LS (035)	12W	17.2V	33.1V	350mA	70%	0.80	220	50	30
FSP015-1ZL12LS (035)	15W	25.8V	39.7V	350mA	73%	0.80	220	50	30
FSP025-1ZL20LS (035)	25W	34.4V	66.2V	350mA	78%	0.85	220	50	30
FSP030-1ZL24LS (035)	30W	56.1V	84.0V	350mA	82%	0.85	270	50	30
FSP040-1ZL32LS (035)	40W	64.5V	105.9V	350mA	80%	0.85	270	50	30
FSP060-1ZL48LS (035)	56W	103.2V	158.9V	350mA	85%	0.90	310	50	30

**Note**

\*Typical load \*\* 220V full load condition

**Mechanical Requirement**



Wiring assignment	
Pin Number	Description
V+	DC output for LED
V-	Return
N	AC Input
L	AC input