

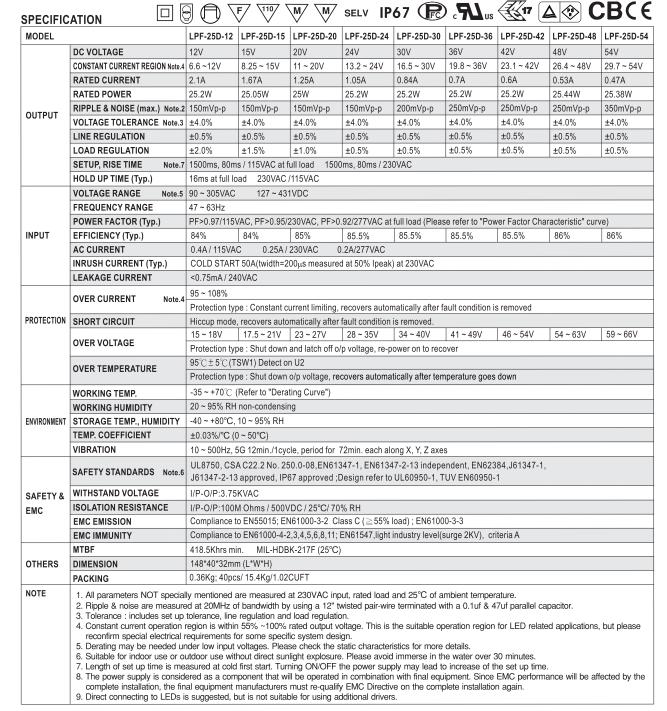




- Universal AC input / Full range (up to 305VAC)
- Protections: Short circuit / Over current / Over voltage / Over temperature
- · Built-in active PFC function
- · Cooling by free air convection
- · Fully isolated plastic case
- Fully encapsulated with IP67 level (Note.6)
- · Class II power unit, no FG
- · Class 2 power unit
- Built-in 3 in 1 dimming function (1~10Vdc or PWM signal or resistance)
- · Suitable for LED lighting and moving sign applications
- · Compliance to worldwide safety regulations for lighting
- · Suitable for dry / damp / wet locations
- · 3 years warranty

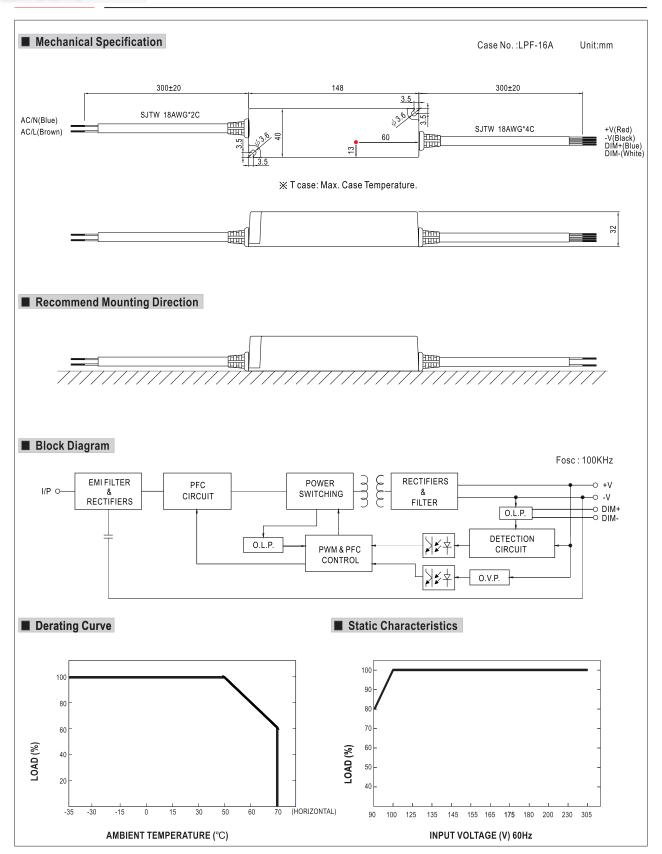


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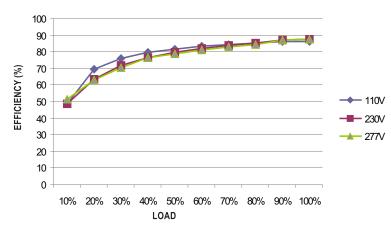






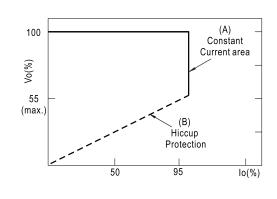
■ EFFICIENCY vs LOAD (48V Model)

 $LPF-25D\ series\ possess\ superior\ working\ efficiency\ that\ up\ to\ 86\%\ can\ be\ reached\ in\ field\ applications.$



■ DRIVING METHODS OF LED MODULE

This LED power supply is suggested to work in constant current mode area (CC) to drive the LEDs.



Typical LED power supply I-V curve



■ DIMMING OPERATION



- ※ Output constant current level can be adjusted through output cable by 1 ~ 10Vdc, 10V PWM signal or resistance between DIM+ and DIM-.
- * Reference resistance value for output current adjustment (Typical)

Resistance value	10ΚΩ	20ΚΩ	30ΚΩ	40ΚΩ	50ΚΩ	60ΚΩ	70ΚΩ	80ΚΩ	90ΚΩ	100ΚΩ	OPEN
Output current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

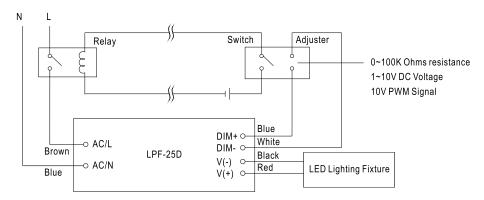
¾ 1 ~ 10V dimming function for output current adjustment (Typical)

Dimming value	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Output current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

* 10V PWM signal for output current adjustment (Typical): Frequency range :100~3KHz

Duty value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Output current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

Dimming connection diagram for turning the lighting fixture ON/OFF:



Using a switch and relay can turn ON/OFF the lighting fixture.

- 1. Output constant current level can be adjusted through output cable by connecting a resistor or 1~10Vdc or 10V PWM signal between DIM+ and DIM-.
- 2.The LED lighting fixture can be turned ON/OFF by the switch.