



■ Features :

- Constant current design
- 180~305VAC input only
- High efficiency up to 90%
- Protections: Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.6)
- Fully isolated plastic case
- Class II power unit, no FG
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.9)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty (Note.4)

IS 15885(Part 2/Sec13)

R-41027766

(for 700mA,1050mA,1400mA,2800mA only)

IP67



SPECIFICATION

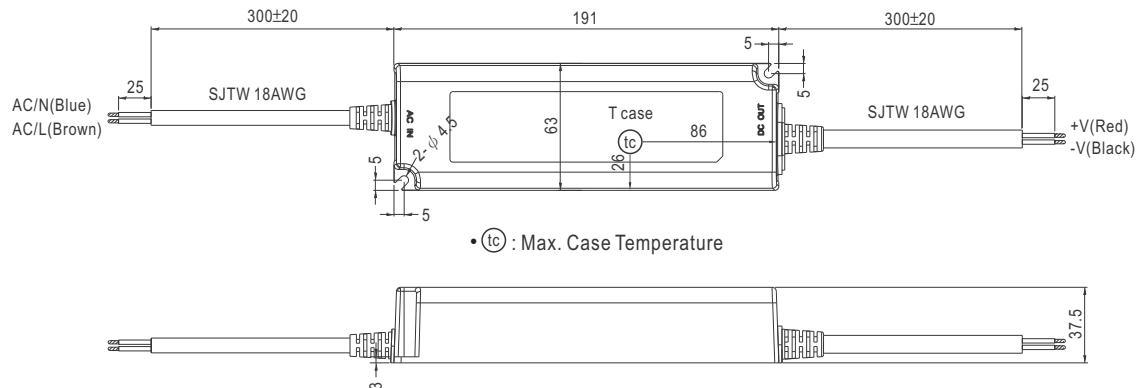
MODEL	LPC-150-350	LPC-150-500	LPC-150-700	LPC-150-1050	LPC-150-1400	LPC-150-1750	LPC-150-2100	LPC-150-2450	LPC-150-2800	LPC-150-3150	
OUTPUT	RATED CURRENT	350mA	500mA	700mA	1050mA	1400mA	1750mA	2100mA	2450mA	2800mA	3150mA
	CURRENT ACCURACY	±5.0%									
	CONSTANT CURRENT REGION Note.5	215 ~ 430V	150 ~ 300V	107V ~ 215V	72V ~ 144V	54V ~ 108V	43V ~ 86V	36V ~ 72V	31V ~ 62V	27V ~ 54V	24V ~ 48V
	RATED POWER	150.5W	150W	150.5W	151.2W	151.2W	150.5W	151.2W	151.9W	151.2W	151.2W
	RIPPLE CURRENT	±5%									
	RIPPLE & NOISE	2Vp-p	1.5Vp-p	1Vp-p	1Vp-p						
	VOLTAGE TOLERANCE	±2.0%									
	LINE REGULATION	±1%									
	SETUP, RISE TIME	1000ms, 80ms	/ 230VAC at full load								
INPUT	HOLD UP TIME (Typ.)	16ms/230VAC at full load									
	VOLTAGE RANGE Note.2	180 ~ 305VAC	254VDC ~ 431VDC								
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	90%									
	AC CURRENT (Typ.)	1.7 A / 230VAC	1.5A / 277VAC								
	INRUSH CURRENT (Typ.)	COLD START 40A(twidth=750μs measured at 50% I _{peak}) at 230VAC									
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC									
PROTECTION	LEAKAGE CURRENT	<0.25mA / 277VAC									
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed									
	OVER VOLTAGE	440 ~ 470V 330 ~ 365V 235 ~ 265V 158 ~ 188V 115 ~ 135V 96 ~ 115V 80 ~ 97V 69 ~ 80V 63 ~ 75V 55 ~ 65V									
ENVIRONMENT	OVER TEMPERATURE	Protection type : Shut down and latch off o/p voltage re-power on to recovery									
	WORKING TEMP.	Shut down o/p voltage, recovers automatically after temperature goes down									
	WORKING HUMIDITY	-25 ~ +50°C (Refer to "Derating Curve")									
	STORAGE TEMP., HUMIDITY	10 ~ 95% RH non-condensing									
	TEMP. COEFFICIENT	-40 ~ +70°C, 10 ~ 95% RH									
SAFETY & EMC	VIBRATION	±0.03%/°C (0 ~ 50°C)									
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10 min./1cycle, period for 60min. each along X, Y, Z axes									
	WITHSTAND VOLTAGE	BIS IS 15885(for 700mA,1050mA,1400mA,2800mA only), EAC TP TC 004, IP67;IEC 62368-1 approved;Design refer to BS EN/EN62368-1									
	ISOLATION RESISTANCE	I/P-O/P:3KVAC									
OTHERS	EMC EMISSION	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH									
	EMC IMMUNITY	Compliance to BS EN/EN55032(CISPR32) Class B; BS EN/EN61000-3-2 Class A(≤80% load); BS EN/EN61000-3-3, EAC TP TC 020									
	MTBF	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55024, light industry level , criteria A, EAC TP TC 020									
NOTE	DIMENSION	479K hrs min. MIL-HDBK-217F (25°C)									
	PACKING	191*63*37.5mm (L*W*H)									
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Derating may be needed under low input voltages. Please check the static characteristics for more details. 3. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 4. Refer to warranty statement. 5. Constant current operation region is within 50% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design. 6. Suitable for indoor use or outdoor use without direct sunlight exposure, please avoid immerse in the water over 30minutes. 7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 8. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf 9. This product is not intended for LED lighting luminaire applications in the EU.(In the EU the LPF/NPF/XLG series are recommended.) 10. To fulfill requirements of latest ErP regulation for lighting luminaires, this LED Driver can only be used behind a switch without permanently connected to mains. ✎ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx											

User's Manual

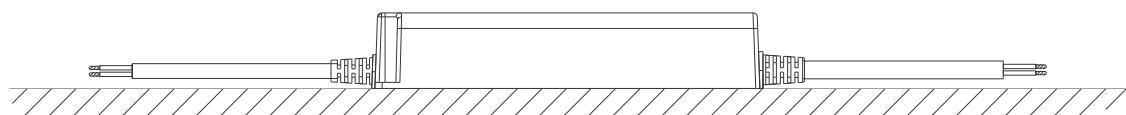


■ Mechanical Specification

Case No. LPC-150 Unit:mm

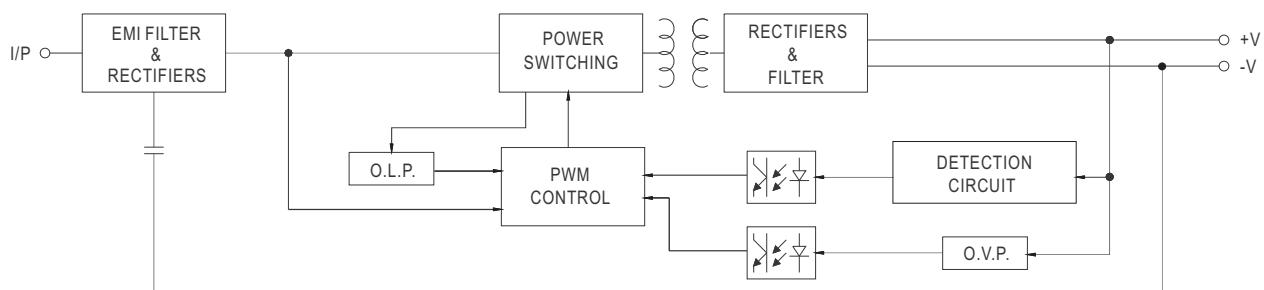


■ Recommend Mounting Direction



■ Block Diagram

PWM fosc : 67KHz



■ Derating Curve

■ Static Characteristics

