



■ 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)



■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

IS 15885(Part 2/Sec13)

SPECIFICATION

IP67 (for 700mA,1050mA,1400mA,2800mA only) R-41027766

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%										
	VOLTAGE TOLERANCE											±2.0%										
	SETUP, RISE TIME											1000ms, 80ms / 230VAC at full load										
HOLD UP TIME (Typ.)											16ms/230VAC at full load											
INPUT	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% Ipeak) 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	
											Protection type : Shut down and latch off o/p voltage re-power on to recovery											
OVER TEMPERATURE											Shut down o/p voltage, recovers automatically after temperature goes down											
ENVIRONMENT	WORKING TEMP.											-25 ~ +50°C (Refer to "Derating Curve")										
	WORKING HUMIDITY											10 ~ 95% RH non-condensing										
	STORAGE TEMP., HUMIDITY											-40 ~ +70°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT											±0.03%/°C (0 ~ 50°C)										
SAFETY & EMC	VIBRATION											10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
	SAFETY STANDARDS											BIS IS15885(for 700mA,1050mA,1400mA,2800mA only), EAC TP TC 004, IP67;IEC 62368-1, BS EN/EN62368-1 approved										
	WITHSTAND VOLTAGE											I/P-O/P:3KVAC										
	ISOLATION RESISTANCE											I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH										
OTHERS	EMC EMISSION											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										
	EMC IMMUNITY											Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020										
NOTE	MTBF											3528.4K hrs min. Telcordia SR-332 (Bellcore); 479.1K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION											191*63*37.5mm (L*W*H)										
	PACKING											0.74Kg; 20pcs/15.8Kg/0.95CUFT										
											<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Derating may be needed under low input voltages. Please check the static characteristics for more details.</p> <p>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. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf)</p> <p>4. Refer to warranty statement.</p> <p>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.</p> <p>6. Suitable for indoor use or outdoor use without direct sunlight exposure, please avoid immerse in the water over 30minutes.</p> <p>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).</p> <p>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</p> <p>9. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>											

