

LPC-20 Series

20W Single Output LED Lighting PSU



FEATURES

- Constant Current mode power supply
- Universal AC input / full range
- Withstand 3000Vac surge for 5 seconds
- Short circuit / Over-current / Over-voltage protections
- Fully isolated plastic case
- Cooling by free air convection
- Small and compact size
- Class 2 power unit
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting & moving sign applications

ENVIRONMENTAL

Operating Temp: -30 to +70°C (with de-rating)

Storage Temp: -40 to +80°C

SAFETY / EMC

UL1310 Class 2
TUV EN60950-1
CAN/CSA C22.2 No. 223-M91
EN61347-2-13
Meets IP66

EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
Light industry level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	LPC-20-350	LPC-20-700
AC Input	90-264VAC, Single Phase, 47-63Hz	
DC Output		
Voltage	48V	30V
Voltage range	3 - 48V	3 - 30V
Current	350mA	700mA
Rated Power	16.8W	21W
Ripple & noise (p-p) (2)	200mV	200mV
Voltage Tolerance (3)		±5.0%
Line Regulation		±1.0%
Load Regulation		±2.0%
Over Current (4)	±5% rated output current Constant Current limiting type.	
Over Voltage	50.4-60V	31.5-40.5V
	Shut off output voltage. Clamping by zener diode.	
Dimensions	118(L) x 35(W) x 26(H)mm	
Weight	0.22Kg	

- Notes:**
1. All parameters **NOT** specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line and load regulation.
 4. De-rating may be needed under low input voltage conditions. Consult sales for more details.
 5. The power supply is considered a component which will be installed in a final equipment. The final equipment must be re-confirmed that it still meets EMC Directives.

Specifications subject to change without notice

Ledlite-Power

9, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire. GU14 7QN

Tel: +44 (0) 1252 515565

Fax: +44 (0) 1252 546021

e-mail: sales@safety-power.com

web: www.ledlite-power.com