

Project Name:	
Type:	

# LF1048 Series

LED Power Supply, Switch-mode LED Driver  
53 Watts Max. | 110VAC or 230VAC

## PRODUCT FEATURE

- Single output 53 watts max (Selective models)
- In compliance to EN61000-3-2, -3-3 Class D
- Low Inrush Current maximize number of hookup
- Compatible with 0-10V dimming devices (Current-source or Current-drain)
- Available with C/C or C/V mode
- Suitable for dry and damp location applications
- OCP, OVP, OPP and SCP - Shut down OTP - Auto-recovery



## ENVIRONMENTAL

OPERATING TEMPERATURE	: -20 to + 60°C
STORAGE TEMPERATURE	: -40 to + 85°C
HUMIDITY (NON-CONDENSING)	: 5% to 95%
COOLING	: Convection
VIBRATION FREQUENCY	: 5 to 50Hz
MTBF	: >100,000 Hours at full load and 25°C ambient conditions (MIL-21F)
EMC	: Compliant to 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B
ACCOUSTIC NOISE	: Less than 24db (20 - 20K Hz)

## ELECTRICAL SPECIFICATIONS

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STORAGE TEMPERATURE	: -40 to + 85°C
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## SAFETY

UL/ cUL	UL8750 Recognized Certified
CE	(EN55015, EN61547, EN61347, EN61000-3-2 D)

## WARRANTY

- See [Limited Warranty Policy](#) for more Additional information

## MODEL SELECTION

MODEL	CONSTANT VOLTAGE MODELS			CONSTANT CURRENT MODELS		MAX. OUTPUT (WATT)
	OUTPUT VOLTS	V-ADJ. (±5%)	I-OUT (MIN./MAX)	I-ADJ. (±5%)	VOLTAGE (VF)	
LF1048-15	15V(12V)	9 ~ 16.5V	280 ~2800/3500mA	1400 ~2800/3500mA	8 ~ 16.5V(12V)	42
LF1048-24	24V(20V)	15 ~26.4V	200 ~2000/2400mA	1000 ~2000/2400mA	12 ~26.4V(20V)	48
LF1048-36	36V(28V)	24 ~39.6V	150 ~1350/1700mA	700 ~1350/1700mA	18 ~39.6V(28V)	48
LF1048-48	48V(40V)	36 ~52.8V	100 ~1000/1200mA	500 ~1000/1200mA	30 ~ 52.8V(40V)	48
LF1048-88	N/A			300 ~750mA	40 ~ 88V	53
LF1048-160	N/A			200 ~ 420mA	75 ~ 160V	53

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## MECHANICAL DRAWING

- XX** - Voltage range, 15=15V, 24=24V, 48=48V etc....  
**CNNNN** - (Optional or Blank) Constant Current Output, C3500=3500mA, C2200=2200mA etc....  
**DDDD** - (Optional or Blank)  
 - 1631 = On/Off AC Step dimming, T1:100%, T2:60%, T3:35%, T4:15% (timing 1.5 Sec. between steps)  
 - 010V = 1-10V dimming control or use 10-100K $\Omega$  variable resistor

