

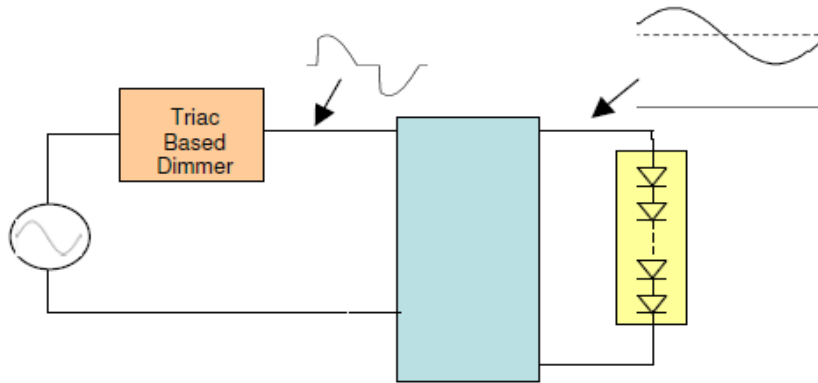
Product Highlights:

- Input voltage 120VAC
- Protections: Short circuit / Over load / Over voltage / Over temperature
- Built-in active PFC function
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- IP66 design for indoor or outdoor installations
- Compliance to worldwide safety regulations for lighting
- Fully enclosed plastic case
- 3 year warranty

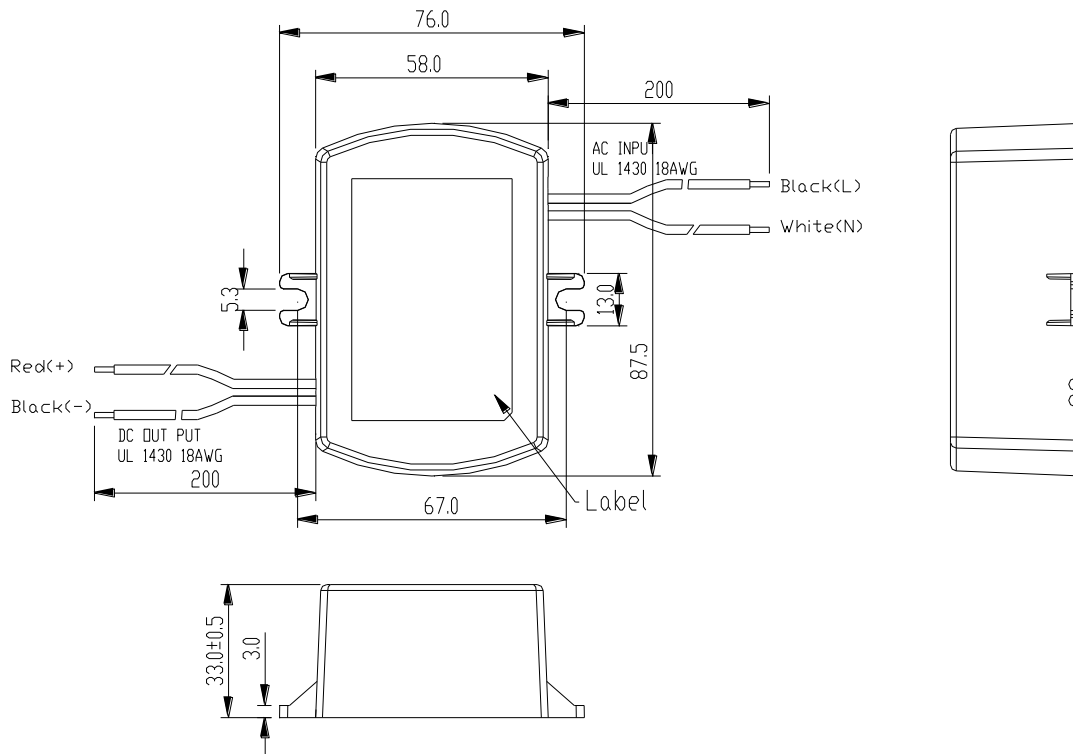

SPECIFICATION

MODEL		XEL-L018CA-08	XEL-L018CA-09	XEL-L018CA-12	XEL-L018CA-15	XEL-L018CA-20	XEL-L018CA-28	XEL-L018CA-36	
OUTPUT	DC VOLTAGE	8V	9V	12V	15V	20V	28V	36V	
	CONSTANT CURRENT REGION	6~10V	8~12V	9~14V	12~19V	20~26V	24~33V	30~45V	
	RATED CURRENT	1.5A	1.5A	1.25A	1.05A	0.75A	0.55A	0.40A	
	RATED POWER	15W	18W	18W	18W	18W	18W	18W	
	OUTPUT ACCURACY	+/-5% of set point							
	OUTPUT REGULATION	+/- 5% of max rating							
	RIPPLE CURRENT	<40% (P-P) of maximum Output Current							
	DIMMING	Output dimming is possible via industry standard dimmers (leading and trailing edge)							
	OUTPUT CONTROL	Output Dims without any flicker							
	CONDUCTION ANGLE / OUTPUT	180 degrees/100% max 30 degrees/10% min							
INPUT	VOLTAGE RANGE	120 VAC							
	FREQUENCY RANGE	60Hz							
	POWER FACTOR (Typ.)	>90% at full load with no dimming							
	EFFICIENCY (Typ.) @ >120VAC Full load	75%	80%	80%	80%	80%	80%	80%	
	AC CURRENT	0.3A/120VAC							
ENVIRONMENT	WORKING TEMP.	-30 ~ + 45°C@Full Load; + 50°C@60% (Refer to de-rating curve)							
	WORKING HUMIDITY	20% ~ 95% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +70°C , 10 ~ 95% RH							
	SURFACE TEMPERATURE	Exposed surfaces <90°C under all operating conditions							
	COOLING	Convection cooled							
	VIBRATION	10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC	SAFETY STANDARDS	UL60950-1 Recognized, UL8750 recognized Class 2 Output. EN61347-2-13 electronic control gear for LED Modules							
	WITHSTAND VOLTAGE	I/P-O/P:3000VAC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms/500VDC/25°C/ 70% RH							
	EMI CONDUCTION & RADIATION	EN55015 Class A, FCC 47CFR Part 15 Class A							
	INPUT HARMONICS	Compliance to EN61000-3-2, 3							
	EMS IMMUNITY	EN61000-4-2, -3, -4, -5, -6 and -11 ANSI c62.41-1991 Category A1, 2.5kV Ringwave							
OTHERS	MTBF	3000 hrs minimum @ 90C case temperature							
	DIMENSION	87.5*58.0*33.0mm (L*W*H)							
	PACKING (TYP.)	240g+/-10;							

The following diagram depicts a typical installation utilizing the XEL-L018CA:



Mechanical Specification



INPUT/OUTPUT WIRING

INPUT CABLE

UL1430 18 AWG
Black (L) and White(N), 200±20mm

OUTPUT CABLE

UL1430 18 AWG
Blue (-V) and Red (+V) 200±20mm

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