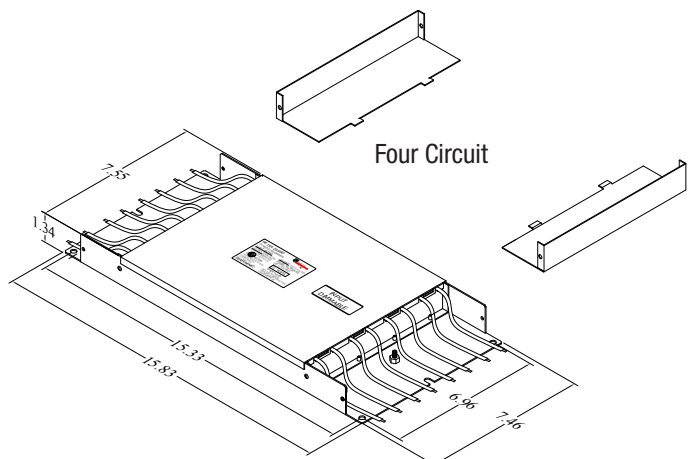
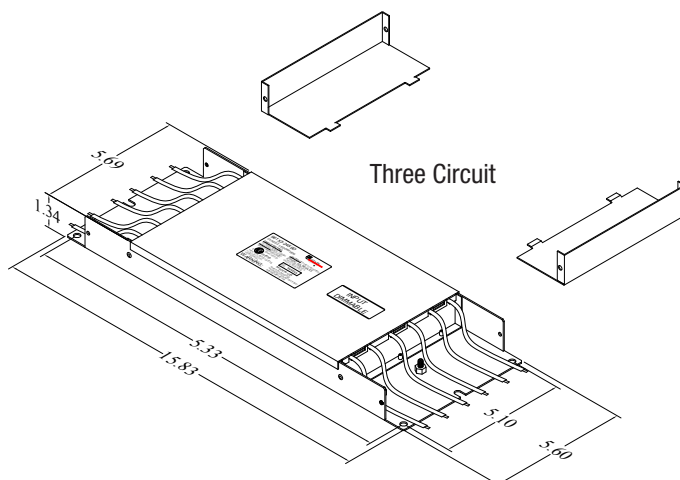
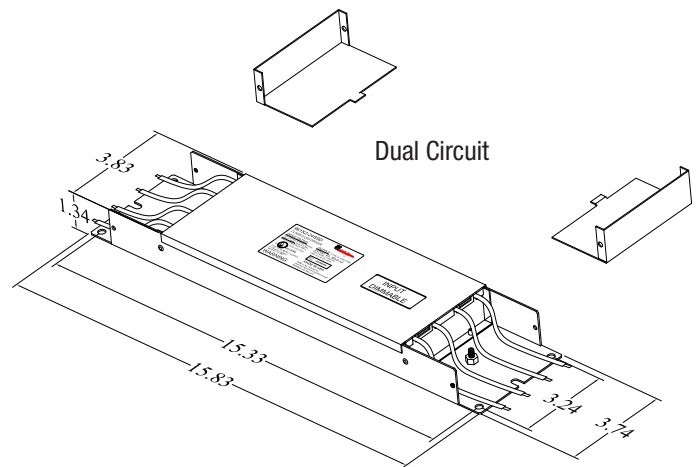
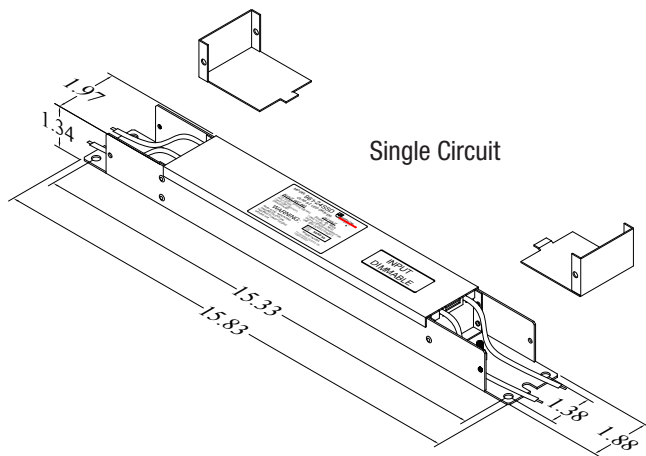


Class 2 Solid State LED Drivers from Justin designed specifically for architectural, signage and display applications.

- BAA – Buy American Act compliant
- Our Class 2 Solid State LED drivers are designed exclusively to be connected to and power LEDs providing illumination. Use of other bulbs or fixture types will void any and all warranties.
- Input dimmable – constant voltage output
- Compact size yet high efficiency and performance in dry and damp environments – IP 65 rated
- 12 or 24 Volt DC output
- Multiple Inputs: 120-240-277
- Class 1 conduit wiring compartments
- All units are dimmable: MLV/ELV Dimmers-Forward, Reverse or Adaptive Phase Control, 0-10V Dimming Control Available.
- Inherent over current, short circuit and temperature protection
- 5 year warranty. UL Listed Class 2, UL8750/CSA approved.
- Made in the USA.



Specifications and Ordering Information

SSD - Solid State Dimmable LED Drivers, UL Listed, File E471431

MODEL	INPUT			OUTPUT 1		OUTPUT 2		OUTPUT 3		OUTPUT 4		TOTAL
	VAC	HZ	A	VDC	VA	VDC	VA	VDC	VA	VDC	VA	VA
361-12SSD	120-240-277	50/60	0.33	12	36							36
361X2-12SSD	120-240-277	50/60	0.66	12	36	12	36					72
361X3-12SSD	120-240-277	50/60	1.00	12	36	12	36	12	36			108
361X4-12SSD	120-240-277	50/60	1.30	12	36	12	36	12	36	12	36	144
481-24SSD	120-240-277	50/60	0.44	24	48							48
481X2-24SSD	120-240-277	50/60	0.88	24	48	24	48					96
481X3-24SSD	120-240-277	50/60	1.30	24	48	24	48	24	48			144
481X4-24SSD	120-240-277	50/60	1.70	24	48	24	48	24	48	24	48	192
601-12SSD	120-240-277	50/60	0.55	12	60							60
601X2-12SSD	120-240-277	50/60	1.10	12	60	12	60					120
601X3-12SSD	120-240-277	50/60	1.60	12	60	12	60	12	60			180
601X4-12SSD	120-240-277	50/60	2.20	12	60	12	60	12	60	12	60	240
961-24SSD	120-240-277	50/60	0.88	24	96							96
961X2-24SSD	120-240-277	50/60	1.70	24	96	24	96					192
961X3-24SSD	120-240-277	50/60	2.60	24	96	24	96	24	96			288
961X4-24SSD	120-240-277	50/60	3.00	24	84	24	84	24	84	24	84	336

All models also available in 0-10V dimming control. Add suffix -010 to model number.

Specifications: SSD - Solid State Dimmable LED Drivers, UL Listed, File E471431

INPUT	
VOLTAGE AND FREQUENCY RANGE	120~277VAC, 50/60Hz
AC CURRENT	Single circuit 96W – .88A @ 120VAC, .44A @ 240VAC, .38A @ 277VAC
INRUSH CURRENT (Typ.)	Less than 1A at 120 or 240V input
LEAKAGE CURRENT	<1mA at 240VAC
PHASE CONTROL	Output voltage PWM duty cycle calculated by microprocessor using phase controlled AC input for output dimming.
POWER FACTOR	>=0.99@120VAC, Full Load
OUTPUT	
VOLTAGE TOLERANCE	+/-3%
SETUP, RISE TIME	500mS maximum @ 50% load current
EFFICIENCY (Typ.)	85%-90% @ 120VAC Full Load
DIMMING RANGE	1-100%, Dimming to off
PROTECTION	
CURRENT TOLERANCE	+/-5% maximum
OVER CURRENT	CONSTANT POWER <120% rated current down to 70% output voltage
SHORT CIRCUIT	Output shut down, automatic restart
OVER VOLTAGE	Output voltage shall NOT exceed 150% of maximum rated voltage
OVER TEMPERATURE	Output Off Internal NTC over temperature protection circuit restart
ENVIRONMENT	
WORKING TEMP.	Nominal -20 to +55C ambient at full load, linearly derate to 60% of output rating up to 80C
WORKING HUMIDITY	5% to 100%, non-condensing
INGRESS PROTECTION	Damp location, IP65
STORAGE TEMP., HUMIDITY	-40 to 85C, 20% to 90% RH
TEMP COEFFICIENT	0.1% per degree C maximum
VIBRATION	Frequency 5 to 50HZ acceleration $\pm 7.35 \text{ M/(S}^2\text{)}$, direction X,Y and Z Axis
SAFETY & EMC	
SAFETY STANDARDS	UL Listed, CSA Approved Class 2, Type TL/HL 85/70C (UL8750) Output Type CC Isolated
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25C / 70% RH
EMI CONDUCTION & RADIATION	Meet FCC Part 15 Class B, CISPR22 Class B
HARMONIC CURRENT	Compliance to EN61000-3-2 Class A ; EN61000-3-3
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11.
OTHER	
MTBF	50K hours, MIL-HDBK217E at 25C ambient.
NOTES	
1. All parameters NOT specified otherwise are measured at 240VAC, 60HZ input, rated load and 25C ambient temperature.	
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted-pair wire terminated with 0.1uF & 47uF parallel capacitor.	