



EV-12V-DALI-120D



### 12V DC 120W Dimmable DALI LED Driver ETL (UL) approved

- 120W 12V Class 2 Driver, Waterproof, Dimmable from DALI dimmers.
- Input Voltage range 100~130V AC, 47-63Hz, PF > 0.9
- Dimmable DC Output: 12V, 120W, by DALI dimmer
- Protection: Short-Circuit / Over Current / Over Temperature and Auto-recovery Mode
- IP67 Indoor or outdoor operation, Cooling by free air convection -20C to +45C, full load, max case 60C, 20 to 95% RH NC
- Input Wire Connection: ( N, L, Earth), Output Wire connection: +V, GND
- Approvals: ETL (**UL**), CE, FCC, RoHS
- Size: 9.06" L x 2.72" W x 1.77" H, (230 x 69 x 45mm)
- 2 year warranty
- Best Dimmer: Leviton CD250-C





Specification:

Model		EV-12V-DALI-120D	EV-24V-DALI-120D
Certificates		ETL、CE、FCC	ETL、CE、FCC
output	DC Voltage	12V	24V
	Voltage Tolerance	$\pm 0.5V$	
	Rated current	10A	5A
	Rated power	120W	
input	Voltage Range	100~130VAC	
	Frequency Range	47~63HZ	
	Power Factor (Typ.)	PF $\geq$ 0.9~0.93	
	Efficiency (Typ.)	>88%	>88%
	AC Current (Typ.)	1.65A	
	Leakage current	< 0.7mA @120VAC	
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
	Over Current	$\leq 1.4 \times I_{out}$	
	Over temperature	100 $\pm$ 10% (The output voltage will turn off when the temperature reaches this max, then after the temperature drops off ,it will recovery automatically)	
Environment	Working TEMP.	-40~+60c	
	Working Humidity	20~90%RH, non-condensing	
	Storage TEMP. Humidity	-40~+80c, 10~95%RH	
	TEMP .coefficient	$\pm 0.03\%/c$ (0~50c)	
	Vibration	10~500Hz, 2G 10min./1 cycle, period for 60min. each along X,Y,Z axes	
Safety& EMC	Safety standards	UL1210	
	Withstand voltage	I/P-O/P:1500VAC	
	Isolation resistance	I/P-O/P : 100M $\Omega$ /500VDC/25 $^{\circ}$ C/70%RH	
	EMC EMISSION	FCC Part 15 B	
others	Net. Weight	1.3Kg	
	Size	230 x 69 x 45 (L*W*H)	
	packing	355*215*215mm 10PCS/CTN	
Notes	1) All parameters if NOT specially mentioned are measured at 110VAC input, rated load and 25c ambient temperature. 2) To extend the driver's life, please reduce the loading at lower input voltage. 3) Loading should be 5-100%.		

#### ■Dimming Operation

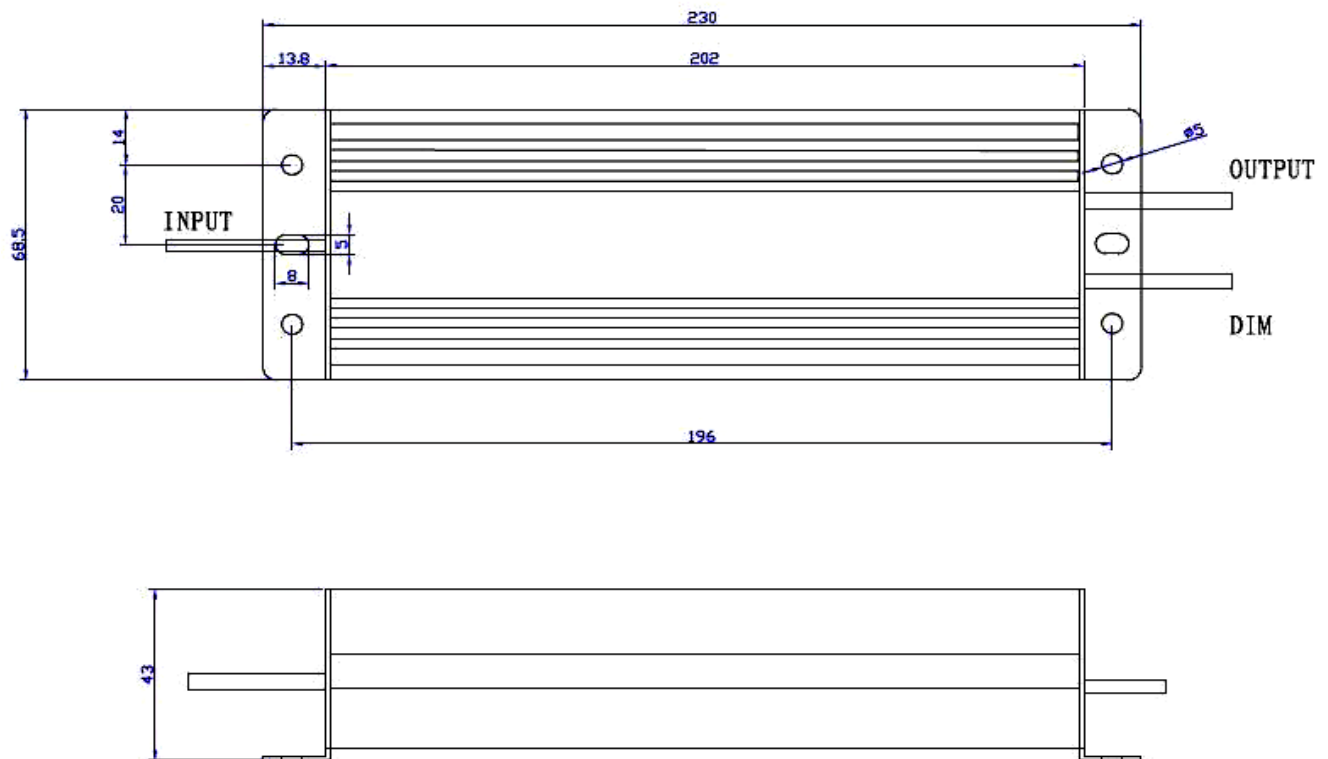
- Signal Dimming (DA1) , (DA2) DALI Non polar
- Note, requires external DALI system / bus power (~16V, 250mA)

#### ■Warning



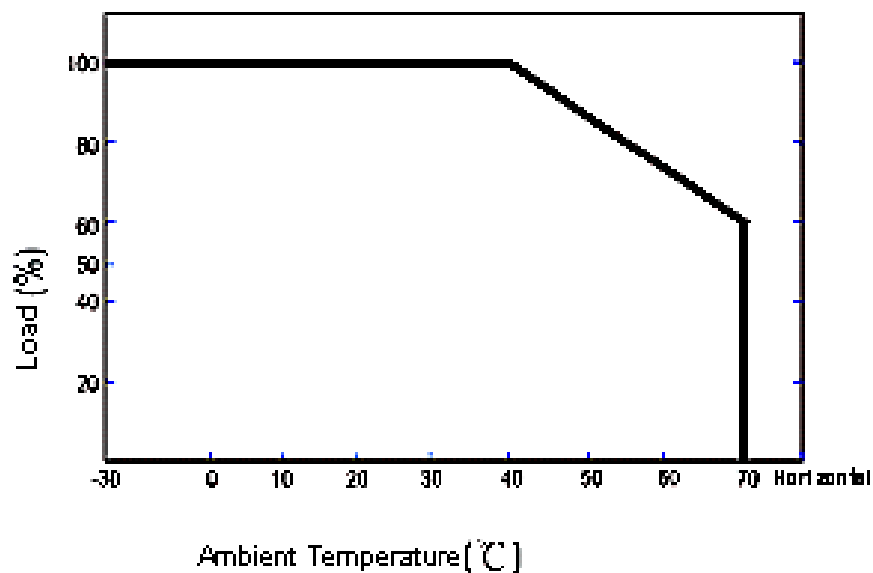
- Prevent reverse polarity
- Risk of Electric Shock. When used outdoors, install in a waterproof fixture, and install only on a circuit protected by a Class A GFCI;
- Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

#### ■ Mechanical Specification





## Derating Curve



To extend their life, please refer to the Derating Curve and derate according to the temperature

