

Constant Voltage Triac Dimming Driver AC120V-277V



Features

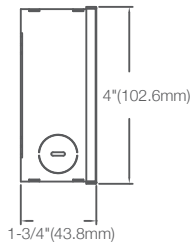
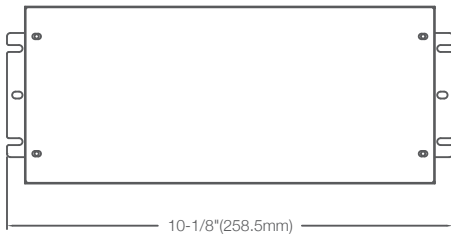
- Constant Voltage Mode
- Universal AC input / Full range: AC120-277V
- Strong Compatibility, flicker-free dimming
- ETL certification, Class P
- Protections: Short circuit/ Overload/ Over Voltage
- Fully isolated aluminum case with IP20 level
- Suitable for dry or damp location
- Suitable for LED strip, LED modules or LED sign applications etc.

12/24
VOLT

DAMP
LOCATION

CLASS
P

DIMENSIONS



SPECIFICATIONS

Model	HBL150-AW-12-DI	HBL200-AW-24-DI	HBL250-AW-24-DI	HBL288-AW-24-DI
Wattage	150W	200W	250W	288W
Input Output	AC120-277V 50/60Hz	AC120-277V 50/60Hz	AC120-277V 50/60Hz	AC120-277V 50/60Hz
Output Voltage	12VDC	24VDC	24VDC	24VDC
Rated Current	12.5A	8.33A	10.41A	12A
Certificates		ETL		
Protection	Short Current		Hiccup mode, recover automatically after fault condition is removed	
	Over Loading		≤120%	
Environment	Working TEMP.		-25°C to 45°C	
	Working Humidity		20~90%RH, non-condensing	
	Storage TEMP. Humidity		-40~+60°C, 10~95%RH	
Safety&EMC	Safety standards		UL8750	
	Withstand voltage		I/P-O/P:1500VAC	
	Isolation resistance		I/P-O/P:100M Ω /500VDC/25 °C/70%RH	
Notes	1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life, please reduce the loading at lower input voltage 3. Loading should be 5-100%			

Constant Voltage Phase/120-277V Triac dimmable driver

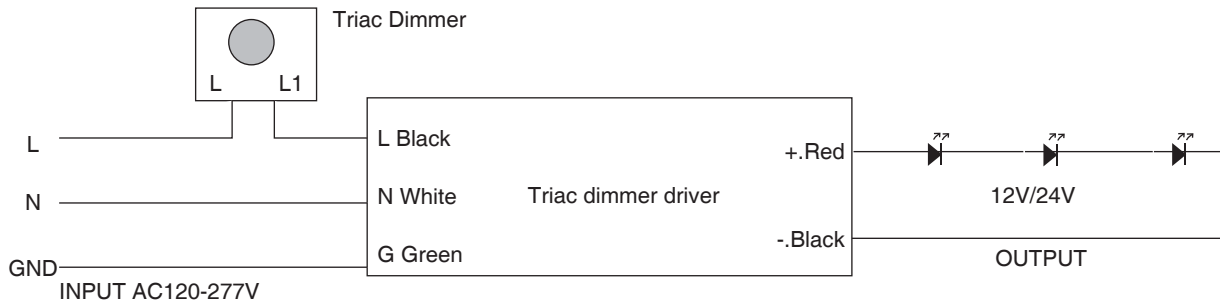
■ Dimming Operation

- ✧ The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.
- ✧ Usually matching with leading edge/Forward Phase Triac Dimmers (Can customized as a driver only matching trailing edge/reverse phase Triac Dimmers if needed).
- ✧ Please try to use dimmers with power at least 2.5 times as the output power of the driver.
- ✧ For Forward phase , Magnetic low voltage and Triac Dimmers

■ Warning

- ✧ Prevent to reverse polarity ;
- ✧ 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.

■ Connecting Diagram



INSTRUCTIONS:

- 1) This driver should be installed by a qualified professional
- 2) Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before testing in order to avoid light and power supply damage.

Dimmer Compatible Chart

■ For LED Gimbal Family & LED Slim Panel

Brand	Series	Model	Load	Dimmability
Lutron	Ariadni	AYCL-153P	150W	10%-100%
	Diva	DV-600PR	600W	1%-100%
	Diva	DVCL-153P	150W	10%-100%
	Maestro	MACL-153MH	600W	10%-100%
	Maestro Wireless	MRF2-6CL	150W	10%-100%
	Rotary	D-600P	600W	10%-100%
	Electronic(ELV)	NTELV-300P	600W	10%-100%
	Skylark	S-600P	600W	10%-100%
	Skylark Conytour	CT-600P	600W	1%-100%
	Skylark Conytour	CTCL-153P	150W	10%-100%
	Toggler	TG-600P	600W	10%-100%
	Toggler	TCCL-153P	150W	10%-100%
Leviton	Sureslide	6633	600W	10%-100%
	Sureslide Decora	6674	600W	20%-100%
	Trimatron	6602	600W	20%-100%
	ILLVMATECH	IPL06	600W	1%-100%
Legrand	Adorne	ADTP703TU	700W	20%-100%
	Harmony	H703PTW	700W	10%-100%
Cooper	Aspire	9540	1000W	10%-100%
	Devine	DAL06P	300W	10%-100%

■ For LED Under Cabinet Family(EXcept DC12V Puck & Link Voltage Puck**)

Brand	Series	Model	Load	Dimmability
Leviton	Sureslide	6621	600W	10%-100%
	Sureslide	6672	150W	10%-100%
	Decora	DSL06	300W	10%-100%
Lutron	Skylark	SFTU-5A3P	600W	10%-100%
	Caseta	PD-6WCL	150W	10%-100%

■ For LED Disk Lights & LED Slim Surface & LED Slim Flush Mount

Brand	Series	Model	Load	Dimmability
Leviton	Diva	DVCL-153P	150W	20%-100%
	Skylark Contour	CTCL-153P	150W	20%-100%
	Toggler	TGCL-153P	150W	20%-100%
Lutron	Trimatron	6681	600W	20%-100%
	Sureslide	6672	150W	20%-100%

Adision has provided this dimmer switch compatibility chart for guidance when selecting a dimmer and lamp combination. Our lamps were tested for compatibility with the above listed dimmer. Dimmers that do not appear on the chart might still be compatible but have not been tested. All testing has been performed with a stable main supply. The quality of the local main, existing installation and wiring, as well as different manufacturer versions of the above dimmers may affect dimming performance. Since no assurance can be provided regarding these factors, it is a general recommendation to perform a test on-site prior to installing the LED lamp.