

**PE-BL150TV 150W**



**RoHS SELV CE Class 2**

**Features:**

- Constant voltage driver dimming range 0-100%
- Suitable for RPC MOSFET dimmer and FPC TRAIAC dimming system
- Suitable for 0-10V/1-10V/10V PWM/100K resistor dimming
- Output flicker free, Super compatible dimming driver
- Protections: short circuit/over voltage/over current
- Aluminum case, fast heat dissipation
- Unique design slow light, slow off function
- It is suitable for constant voltage LED light belt
- Large diameter copper terminals, convenient install
- Meet up SELV safety extra low voltage standard
- Three years warranty

**Triac**

DIM

**0-10V**

DIM

**1-10V**

DIM



Resistor  
100K



10V PWM



No Flicker

**SELV**



Over-heat  
Protection



Over Load  
Protection



Short Circuit  
Protection

**General description:**

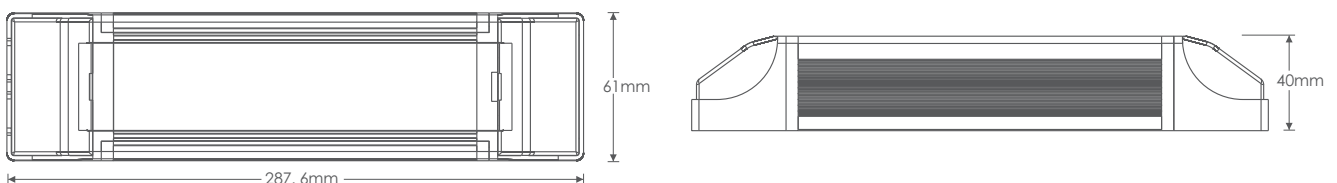
Constant voltage LED driver developed by my company with high power factor ,high efficiency, high precision, the use of the efficient stable low loss switch control chip and the high performance components makes it with low noise, energy saving, environmental protection, long life and other characteristics.

Unique design slow light and slow off function, safe and convenient large aperture terminal.

**Specification:**

Model		PE-BL150TV24	PE-BL150TV12
OUTPUT	Output Voltage	24Vdc	12Vdc
	Max Output Current	6.25A Max	10A Max
	Non-load Output Voltage	24Vdc ±0.5v	12Vdc ±0.5v
	Output Current	6.25A Max	10A Max
	Output Power	150W Max	120W Max
	Strobe Level	No flicker	
	Dimming Range	0~100%	
	PWM Dimming Frequency	>3600K	
INPUT	Dimming Interface	Triac Leading edge/Trailing edge,0-10V/1-10V/10V PWM/100K resistor	
	Input Voltage Range	200-250Vac	
	Frequency	50/60Hz	
	Input Current	<1.5A	<1.2A
	Efficiency(typ.)	85%	85%
	Inrush Current(typ.)	Cold start 31A	Cold start 30A
	Anti Surge	L-N: 2kV	
	Leakage Current	<0.5mA/230Vac	
ENVIRONMENT	Working Temperature	ta: 45°C tc: 85 °C	
	Working Humidity	20 ~ 95%RH, non-condensing	
	Storage Temp., Humidity	-40 ~ 80 °C , 10~95%RH	
	Waterproof grade	IP20	
PROTECTION	Over-Current Protection	Shut down the output when rated power ≥102%, auto recovers.	
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers.	
	Non-load Protection	output Constant Voltage.	
SAFETY & EMC	Withstand Voltage	I/P-O/P:3750Vac	
	Isolation Resistance	I/P-O/P:100MO/500VDC/25°C/70%RH	
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13	
	Strobe Test Standard	IEEE 1789	
OTHERS	Dimension	287.6×61×40mm(L×W×H)	
	Packing	Bubble bag	
	Weight(G.W.)	560±10g	

**Dimensions :**



**Product Label:**

**Dimming LED Driver(Constant Voltage)**

**Model:PE-BL150TV24**  
**PRI:200-250VAC~ 0.85A 50/60HZ**  
**SEC:24VDC 6250MA(max)**  
**Max.output: 150W**  
**ta=-20...+45°C tc=85°C**  
**Dimmable with Leading edge**

**Dimming Interface:**  
**1 DIM: 0/1-10V**  
**2 DIM: PWM 10V**  
**3 DIM: Resistor 100K**  
**4 TRIAC**

tc

0-10V- DIM1  
0-10V+ DIM2

← 200mm →

35mm

**Wiring Diagram:**



**Wiring:**

The input terminal: more than 2 m2 copper core wire.  
 The output terminal: more than 1 m2 copper core wire.

**Compatibility:**

Dimming system Model	Wiring 1 sample	Wiring 2 samples	Wiring 3 samples	Dimmer Model	Wiring 1 sample	Wiring 2 samples	Wiring 3 samples	Dimmer Model	Wiring 1 sample	Wiring 2 samples	Wiring 3 samples
Leviton LNPWR-05B	NF	NF	NF	Crestron DIN-1DIM4	NF	NF	NF	Panasonic WMY549	NF	NF	NF
Siemens 5WG1 528-1DB01	NF	NF	NF	Schneide L5504D2A	NF	NF	NF	Siemens 5UH82223-NC01	NF	NF	NF
JOBO dimming system	NF	NF	NF	DAJIN TC-DG0405CP	NF	NF	NF	Simon 45E201	NF	NF	NF
DALITEK DM802	NF	NF	NF	Lite-Puter EDX-F0411	NF	NF	NF	OPPLE P068102	NF	NF	NF
Lutron QSGR-3P	NF	NF	NF		NF	NF	NF	CABLOFIL VRCM2	NF	NF	NF
ABB 6197/12-12-101-500	NF	NF	NF		NF	NF	NF	CDN X6-TG02	NF	NF	NF
Rmarks	Abbreviation: no flicker - NF, not compatible - NC, slight flicker - SL, flicker - F, strict flicker - SF										

Note: 1.due to the different power of dimmer and dimming system, the compatibility will be different. Before purchase, it needs to confirm with the business to ensure the best matching effect of the product.  
 2.It is recommended to use a leading edge dimmer power more than 500W.

**The use of guidance:**

- Note:
- \* \* 1: please pay attention to the distinction between input and output, connect correctly, then power on
  - \* \*2: please connect first the load of the DC output, open the power supply after checking; in the constant current mode, if power on at open circuit, please turn off the power supply and can't connect the LED until the electric energy stored by the output release , or it may damage the LED;
  - \* \*3:this type of power supply is only limited to the use of the LED lamps and lanterns, the input voltage range is AC200-250V, the heat insulation cotton and other items that obstruct the heat dissipation of the product, which conforms to the product under the Specified output voltage, current range, the use environment temperature is -20-45 degrees,and the surface can not cover the conditions of the environment, this product enjoys three yearsof free warranty.
  - \* \*4:The input end cannot be connected to the inductive frequency conversion power supply for dimming, otherwise noise will be generated

**The abnormal conditions and the corresponding treatment methods:**

- 1, the LED lamp doesn't bright after the dimming driver is connected at the first time ,please turn off the AC input and check as follow:
  - a) Whether or not DC output bad contact;
  - b)Whether DC output polarity is reversed, or the LED board is welded anti;
  - c)Whether AC input is bad contact; test after eliminating these failures.
- 2, the device has good connection, LED lights, but the LED flicker, please turn off the AC input, then check the DC output:
  - a) overload, under load.
  - b) Whether or not the parameters and actual parameters match.
- 3, please timely communicate with us if you any questions in the using, we will try our best to solve the problems with you.

**Statement:**

The pictures and specifications is for reference only, in kind prevail, specifications are subject to change with further notice.