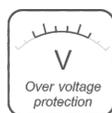


LED Intelligent Driver

75W 6.25A 12V DC



- Dimming interface: Triac/ELV, Push Dim.
- Apply to leading edge and trailing edge TRIAC dimmers.
- PWM digital dimming, no alter LED color rendering index.
- High frequency PWM dimming, no flicker in video camera.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Efficiency > 85%.
- Short circuit / Over-temperature / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



Main Characteristics

Dimming Interface:	Triac/ELV, Push Dim	Ripple & Noise:	≤200mV
Input Voltage Range:	200-240Vac ±10%	Output Power:	Max. 75W
Frequency:	50/60Hz	Overload Power Limitation:	1.02-1.25
Input Current:	230Vac≤0.8A	Dimming Range:	0-100%, LED start at 0.1% possible.
Efficiency:	≥85%	Working Temperature.:	tc: 85°C ta: -30°C ~ 60°C
Inrush Current(typ.):	Cold start 60A at 230Vac	Working Humidity:	20 ~ 95%RH, non-condensing
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	Storage Temp., Humidity:	-40 ~ 80°C, 10-95%RH
Output Current:	Max. 6.25A	Temp. Coefficient:	±0.03%/°C(0-50°C)
Output Voltage:	12Vdc	Vibration:	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Voltage Range:	12Vdc ±0.5Vdc		

* The dimming range parameters adopted LUTRON® dimming system as testing standards. The parameters may differ by using Triac/ELV dimming systems of different brands. We can customize program for clients' high requirements.

Attn: LUTRON® is registered trademarks of Lutron Electronics Co, Inc. registered in the U.S. and other countries

Protection

- Over Temp. Protection: Ambient Temp. ≥65-75°C, recovers automatically after fault condition is removed.
- Over Voltage Protection: Non-load Voltage ≥13-18V, re-power on to recover after fault condition is removed.
- Over Load Protection: Current Load ≥102%-125%, recovers automatically after fault condition is removed.
- Short Circuit Protection: Recovers automatically after fault condition is removed.

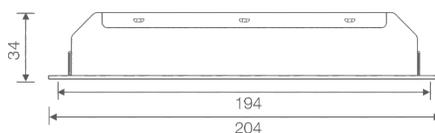
Safety & EMC

- Withstand Voltage: I/P-O/P: 3750Vac
- Isolation Resistance: I/P-O/P: 100MΩ/500VDC/25°C/70%RH
- Safety Standards: IEC/EN61347-1, IEC/EN61347-2-13
- EMC Emission: EN55015, EN61000-3-2 Class C, IEC61000-3-3
- EMC Immunity: EN61000-4-2,3,4,5,6,8,11 EN61547

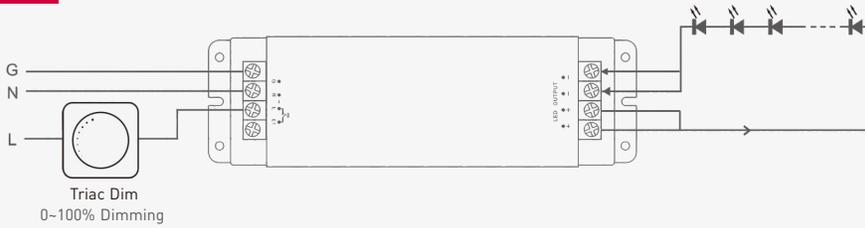
Others

- Dimension: 204×62×34mm(L×W×H)
- Packing: 206×64×39mm(L×W×H)
- Weight(G.W.): 440g±10g

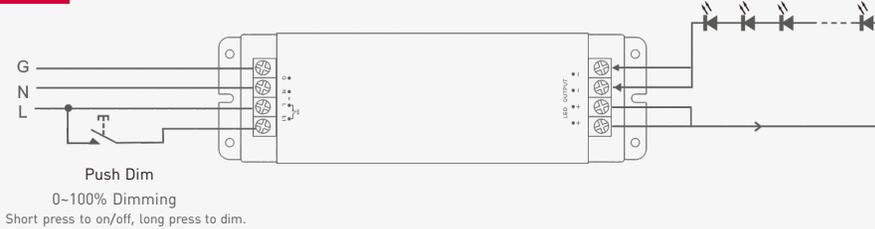
Dimensions



Triac Connection



Push Dim Connection

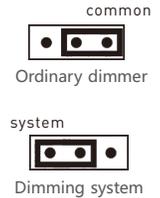


The dimming interface priority: First Triac, next Push Dim.

Selecting between ordinary dimmer and dimming system

Ordinary dimmer and dimming system have different dimming precision, precision of dimming system is higher. To meet customers' requirements on perfect dimming effects, we LTECH designed two programme options.

Method: Turn off the power and then remove the housing of the LED driver to find right component on the PCB. Shift system by selecting different contact pin (For installation professionals use only). Factory default as common (For ordinary dimmer).



Push Dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

Attention:

- The product shall be installed and serviced by the qualified person.
- Before use, please make sure the LED driver output voltage matches with the LED lights. improper voltage will damage the LED lights or influence the luminous efficiency.
- Good heat dissipation can prolong the life of the LED driver. Please try to install the LED driver on the metal surface and use in well-ventilated environment.
- The wire size shall be big enough to load the power with solid connection to LED driver.
- If a malfunction occurs, do not repair by yourself. For any question, please contact the supplier directly.