

LED Intelligent Driver

150W 6.25A 24Vdc

- Dimming interface: 0-10V (1-10V/PWM/RX), Push Dim.
- Built-in high performance MCU, dimming curve can be customized.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range from 0-100%, LED start at 0.1% possible.
- PF> 0.99, Efficiency > 93%, THD < 8%
- Short circuit / Over-heat / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



5 in 1 dimming

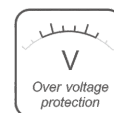
0-10V
1-10V
PWM
RX
Push DIM

Dimmable:
.....
0.1%-100%

SELV



RoHS



Main Characteristics

Dimming Interface:	0-10V (1-10V/PWM/RX), Push Dim
Input Voltage Range:	100-240Vac ±10%
Frequency:	50/60Hz
Input Current:	115Vac≤1.95A, 230Vac≤0.8A
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac, at full load
THD:	<5% at 115Vac, <8% at 230Vac, at full load
Efficiency:	>93%
Inrush Current(typ.):	Cold start 60A at 230Vac
Control surge capability:	L-N: 1kV, L/N-G: 2kV
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac
Output Current:	Max. 6.25A
Output Voltage:	24Vdc

Output Voltage Range:	24Vdc ±0.5Vdc
Ripple & Noise:	≤200mV
Output Power:	Max. 150W
Output Power Range:	1~150W
Overload Power Limitation:	≥102%~125%
Dimming Range:	0~100%, LED start at 0.1% possible.
PWM Frequency:	2KHz~4KHz
Working Temperature:.	tc: 80°C ta: -30°C ~ 60°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Temp. Coefficient:	±0.03%/°C(0-50°C)
Vibration:	10~500Hz, 2G 12 min./1cycle, period for 72 min. each along X, Y, Z axes

Protection

Over-heat Protection:	Shut down the output when PCB temp. ≥110°C, auto recovers when temp. back to normal.
Over Voltage Protection:	Shut down the output when non-load voltage ≥26~32V, re-power on to recover after fault condition is removed.
Over Load Protection:	Power Load ≥102%~125%, start hiccup mode, auto recovers when the load is reduced.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

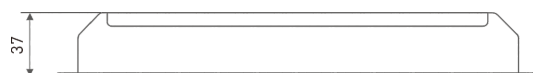
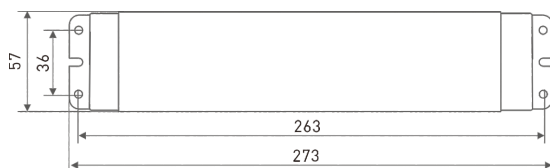
Safety & EMC

Withstand Voltage:	I/P-O/P: 3750Vac I/P-GND: 1800Vac
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

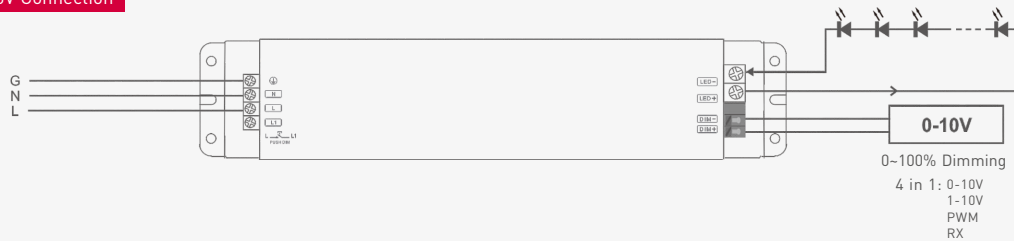
Others

Dimension:	273×57×37mm(L×W×H)
Packing:	285×63×43mm(L×W×H)
Weight(G.W.):	790g±10g

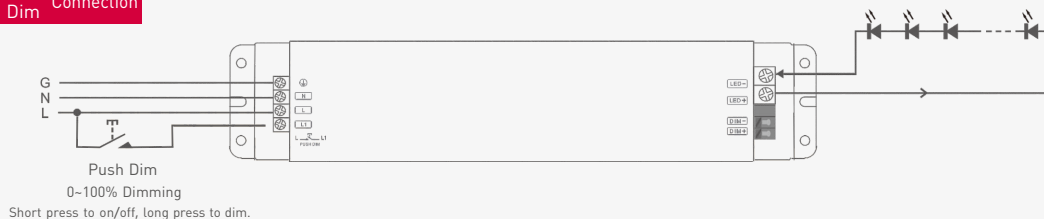
Dimensions



0-10V Connection



Push Dim Connection



The dimming interface priority: First 0-10V, next Push Dim.

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.