

LED Intelligent Driver

150W 6.25A 24V DC

- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- 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.
- Power factor > 0.99, Efficiency > 93%.
- Short circuit / Over-temperature / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



Main Characteristics

Dimming Interface:	1-10V (0-10V/10VPWM/Resistor), Push Dim
Input Voltage Range:	100-240Vac $\pm 10\%$
Frequency:	50/60Hz
Input Current:	115Vac $\leq 1.95A$, 230Vac $\leq 0.8A$
Power Factor:	PF > 0.99/115Vac, PF > 0.95/230Vac, at full load
THD:	$\leq 5\%$ at 115Vac, $\leq 8\%$ at 230Vac (full load)
Efficiency:	$\geq 93\%$
Inrush Current[typ.]:	Cold start 60A at 230Vac
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 $\pm 0.5Vdc$
Ripple & Noise:	$\leq 200mV$
Output Power:	Max. 150W
Overload Power Limitation:	1.02-1.25
Dimming Range:	0~100%, LED start at 0.1% possible.
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:	$\pm 0.03\%/^{\circ}C$ (0-50°C)
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Protection

Over Temp. Protection:	Ambient Temp. $\geq 65\sim 75^{\circ}C$, recovers automatically after fault condition is removed
Over Voltage Protection:	No Load Voltage $\geq 26\sim 32V$, re-power on to recover after fault condition is removed
Over Load Protection:	Current Load $\geq 102\%\sim 125\%$, recovers automatically after fault condition is removed
Short Circuit Protection:	Recovers automatically after fault condition is removed.

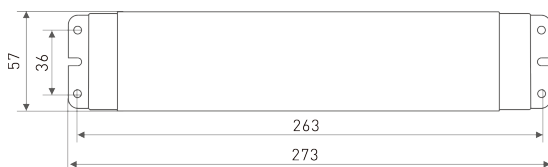
Safety & EMC

Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100M Ω /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

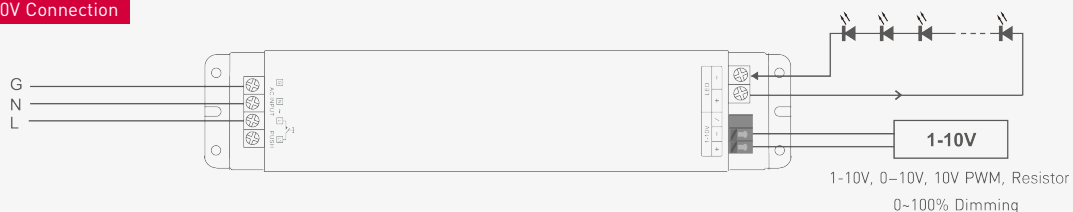
Others

Dimension:	273 \times 57 \times 37mm(L \times W \times H)
Packing:	278 \times 59 \times 42mm(L \times W \times H)
Weight(G.W.):	750g \pm 10g

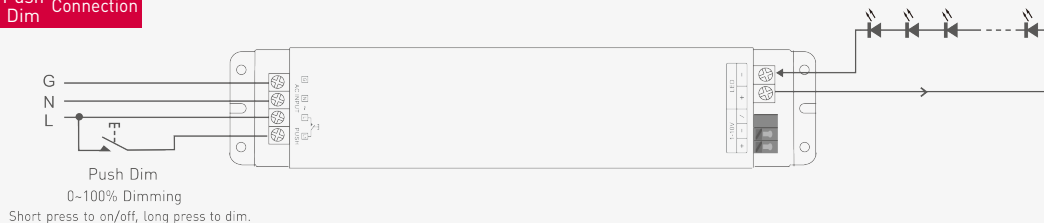
Dimensions



1-10V Connection



Push Dim Connection



The dimming interface priority: First 1-10V, 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.