



General

Wire Strip Length	5mm
Wire Type	2.5mm2

Electronics

Input Domain	AC
Input Voltage	100 ~ 240V AC
Output Voltage	12V DC
Output Current Max. (A)	12.5
Power Consumption (W)	150
Output Power (W)	150W @ 12V
Power Factor at Full Load	+0.95 @ 230VAC
Power Supply	Internal
LED Outputs	1
Input Frequency	50Hz, 60Hz
Inrush Current	60A @ 230VAC

Lighting

Color Range	Single Color
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Control

Output Signal	PWM-CV
Control	DMX
Dimming Range	0~100%
Dimming Curve	Linear
Driver Configuration	Dip Switches
Number of Channels	1
Functions	Push DIM

Protection

Reverse Polarity	Yes
LED Output Short	Yes
Overload	Yes
Restart after Protection	Yes

Environmental

Operating Temperature	-30 ~ +60 °C
Ingress Protection	IP20

CE IP20 2 year warranty

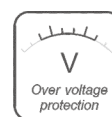
Disclaimer

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LED Intelligent Driver

150W 12.5A 12V DC

- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol.
- Supports remote management of reading or writing DMX address.
- PWM digital dimming, no alter LED color rendering index.
- High frequency PWM dimming, no flicker in video camera.
- Dimming, range: 0~100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 91%.
- Short circuit / Over-temperature / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



Main Characteristics

Dimming Interface:	DMX/RDM, Push DIM	Output Voltage Range:	12Vdc ±0.5Vdc
Input Voltage Range:	100-240Vac ±10%	Ripple & Noise:	≤200mV
Frequency:	50/60Hz	Output Power:	Max. 150W
Input Current:	115Vac≤1.95A, 230Vac≤0.8A	Overload Power Limitation:	1.02-1.25
Power Factor:	PF>0.99/115Vac , PF>0.95/230Vac, at full load	Dimming Range:	0~100%, LED start at 0.1% possible.
THD:	≤5% at 115Vac, ≤8% at 230Vac (full load)	Working Temperature.:	tc: 85°C ta: -30°C ~ 60°C
Efficiency:	≥91%	Working Humidity:	20 ~ 95%RH, non-condensing
Inrush Current(typ.):	Cold start 60A at 230Vac	Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	Temp. Coefficient:	±0.03%/°C(0~50°C)
Output Current:	Max. 12.5A	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Voltage:	12Vdc		

Protection

Over Temp. Protection:	Ambient Temp. $\geq 65\sim 75^{\circ}\text{C}$, recovers automatically after fault condition is removed
Over Voltage Protection:	No Load Voltage $\geq 13\sim 18\text{V}$, 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.

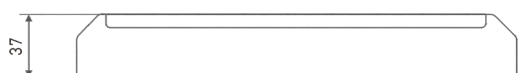
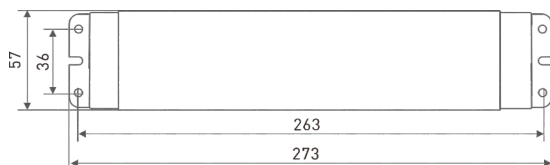
Safety & EMC

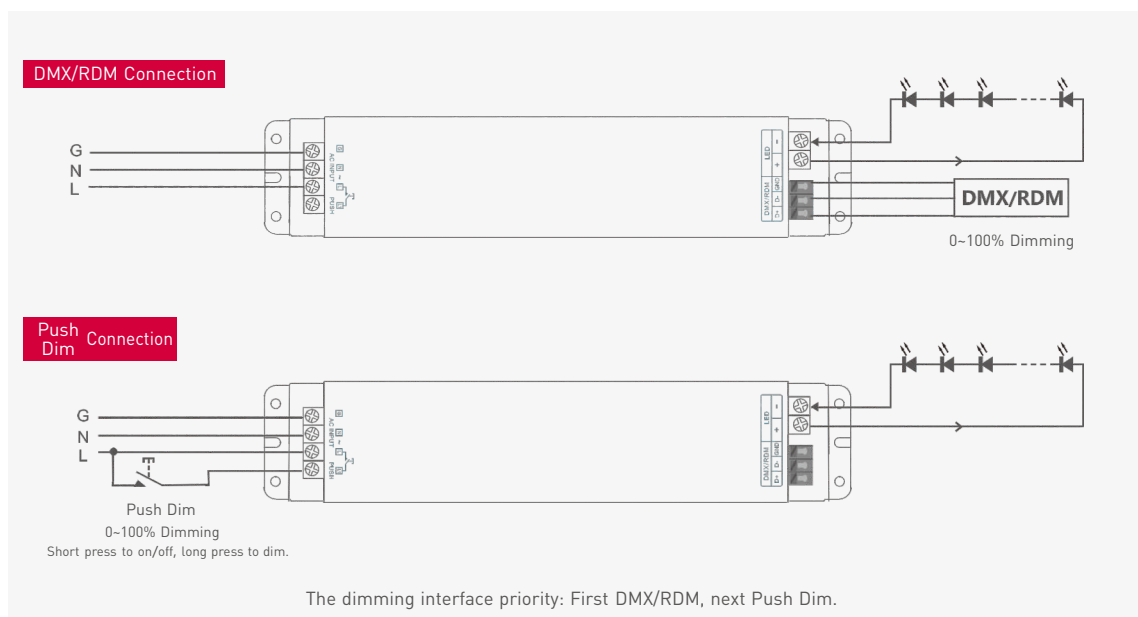
Withstand Voltage:	I/P-O/P: 3750Vac I/P-GND: <1800Vac
Isolation Resistance:	I/P-O/P: 100M Ω /500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547

Others

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

Dimensions





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.

RDM Mode: The dip switch 1-9 are OFF.



DMX Address Setting:

E.g.1: Set Initial Address To 32.



E.g.2: Set Initial Address To 37.



DMX address value=the total value of (1-9),
To get the place value when in "ON" position,