



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

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

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.



SELV



Main Characteristics

Dimming Interface:	DMX/RDM, 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:	$\geq 91\%$
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. 12.5A
Output Voltage:	12Vdc

Output Voltage Range:	12Vdc $\pm 0.5Vdc$
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: 85°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 $\geq 13\sim 18V$, 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.

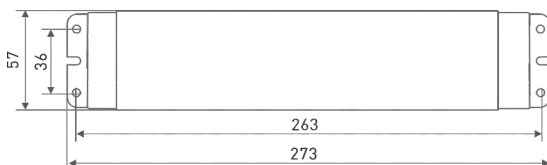
Safety & EMC

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

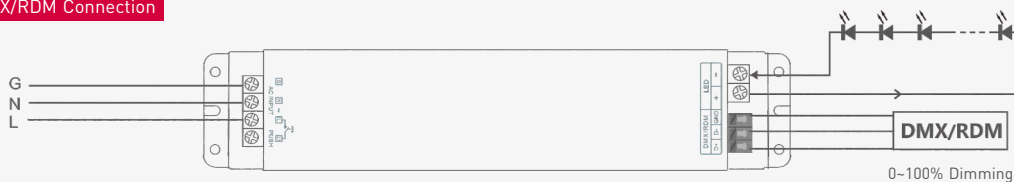
Others

Dimension:	273 $\times$ 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

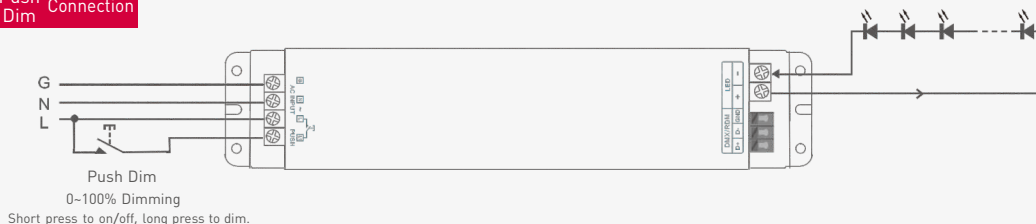
Dimensions



DMX/RDM Connection



Push Dim Connection



The dimming interface priority: First DMX/RDM, 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.

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,