



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)	6.25
Output Power (W)	75W @ 12V
Power Factor at Full Load	+0.95 @ 230VAC, +0.99 @ 115VAC
Power Supply	Internal
Input Frequency	50Hz, 60Hz
Inrush Current	60A @ 230VAC

Lighting

Color Range	Single Color
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Control

Output Signal	PWM-CV
Control	0-10V
Dimming Range	0~100%
Dimming Curve	Linear
Number of Channels	1
Functions	Push DIM

Protection

Reverse Polarity	Yes
LED Output Short	Yes
Overload	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

75W 6.25A 12V 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 > 85%.
- Short circuit / Over-heat / 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 $\leq 0.9A$, 230Vac $\leq 0.45A$
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac, at full load
THD:	$\leq 9\%$ at 115Vac, $\leq 12\%$ at 230Vac (full load)
Efficiency:	$\geq 85\%$
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:	12Vdc
Output Voltage Range:	12Vdc $\pm 0.5Vdc$

Ripple & Noise:	$\leq 200mV$
Output Power:	Max. 75W
Output Power Range:	1~75W
Overload Power Limitation:	$\geq 102\% \sim 125\%$
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-heat Protection:	Shut down the output when PCB temp. $\geq 110^{\circ}C$, auto recovers when temp. back to normal.
Over Voltage Protection:	Shut down the output when non-load Voltage $\geq 13 \sim 18V$, re-power on to recover after fault condition is removed.
Over Load Protection:	Shut down the output when Current Load $\geq 102\% \sim 125\%$, auto recovers after faulty condition is removed.
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
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

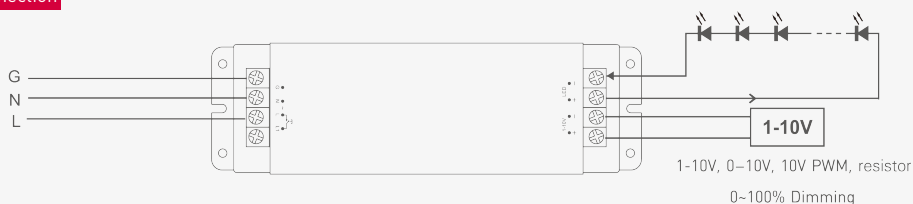
Others

Dimension:	204 $\times$ 62 $\times$ 34mm[L $\times$ W $\times$ H]
Packing:	206 $\times$ 64 $\times$ 39mm[L $\times$ W $\times$ H]
Weight[G.W.]:	490g $\pm$ 10g

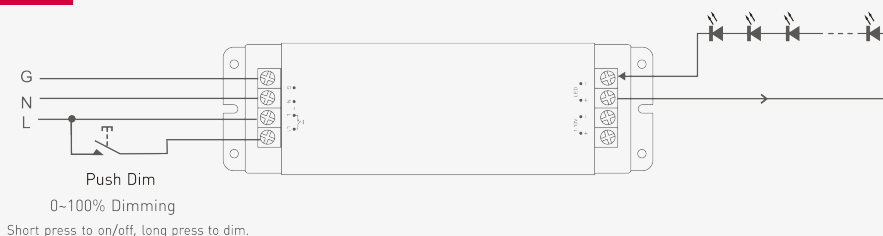
Dimensions



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.