



12Vdc

6.25A

75W

5 in 1 dimming

0-10V

PWM

Push DIM

RX

LED Intelligent Driver

- 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.
- Power factor > 0.99, Efficiency > 85%.
- Short circuit / Over-heat / Over load / Over Voltage protection.
- Compliant with Safety Extra Low Voltage standard.

















Dimmable: 0.1%-100%



Main Characteristics

Dimming Interface: 0-10V (1-10V/PWM/RX), Push Dim

Input Voltage Range: 100-240Vac ±10%

Frequency: 50/60Hz

Input Current: 115Vac≤0.9A, 230Vac≤0.45A

Power Factor: PF > 0.99/115Vac , PF > 0.95/230Vac, at full load

THD: ≤9% at 115Vac, ≤12% at 230Vac, at full load

Efficiency:

Cold start 60A at 230Vac Inrush Current(typ.): 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 Storage Temp., Humidity:

Output Current: Max. 6.25A

Output Voltage: 12Vdc Output Voltage Range: 12Vdc ±0.5Vdc Ripple & Noise: $\leq 200 \text{mV}$ Output Power: Max. 75W Output Power Range: 1~75W Overload Power Limitation: ≥102%~125%

Dimming Range: 0~100%, LED start at 0.1% possible.

PWM Frequency: 2KHz~4KHz

Working Temperature .: tc: 85°C ta: -30°C ~ 60°C 20 ~ 95%RH, non-condensing Working Humidity:

-40 ~ 80°C, 10~95%RH ±0.03%/°C(0-50°C) Temp. Coefficient:

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. ≥ 110°C, auto recovers when temp. back to normal.

Over Voltage Protection: Shut down the output when non-load voltage ≥13~18V, re-power on to recover after fault

condition is removed.

Shut down the output when current load≥102% Over Load Protection:

~125%, 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-0/P: 3750Vac I/P-GND: 1800Vac Isolation Resistance: I/P-0/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

204×62×34mm(L×W×H) Dimension: 206×64×39mm(L×W×H) Packing:

490q±10q Weight(G.W.):

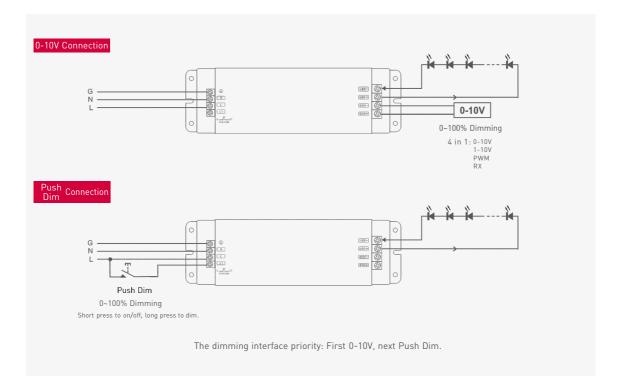
Dimensions





Connections





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.

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