

5 in 1 dimming 0-10V 1-10V 10V PWM TRIAC DIM

# 250W-12V/24V Dimming waterproof LED driver (CV)

- TRIAC/0-10V/1-10V/10V PWM/RESISTANCE DIM
- Dimming range: 0~100%, LED start at 1% possible.
- 0-100% flicker-free, High frequency exemption level.
- Over load / Over temp. / Short circuit / Over voltage protection, recover automatically.
- Cooling by free air convection
- 100% full load burn-in test
- $\bullet \quad \text{Suitable for internal lights application for } \ I \ / \ I\!\!I \ / \ I\!\!I \ .$
- Up to 50000-hour life time.





























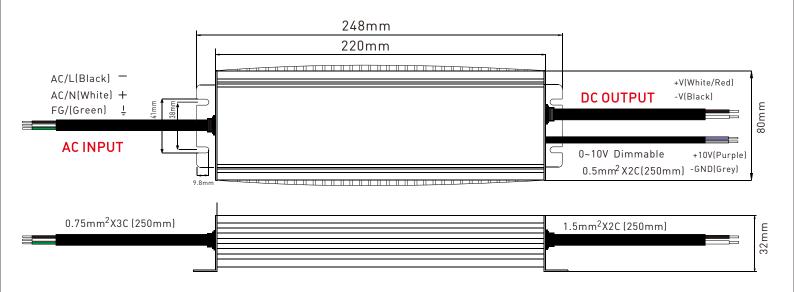
### Specification

Model		YSD-250WHBF-12TL	YSD-250WHBF-24TL	
ОИТРИТ	Output voltage	12VDC	24VDC	
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC	
	Output current	Max 21A	Max 10.5A	
	Output power	Max 250W		
	Output power range	0~250W		
	With or without strobe	No strobe		
	Dimming range	0~100%, dimming depth: Max. 1%		
	Ripple & Noise	≤200mV	≤400mV	
INPUT	Dimming interface	TRIAC/ 0-10V/1-10V/10V PWM/RESISTANCE DIM		
	Input voltage	175-264Vac or 100-130Vac		
	Frequency	50/60Hz		
	Input current	2.1A/230Vac or 3.7A/115Vac		
	Power factor	PF>0.55/230Vac, at full load		
	Efficiency (typ.)	90%	89%	
	Inrush current(typ.)	Cold start 60A at 230Vac		
	Control surge capability	L-N:2KV		
	Leakage current	Max. 0.5mA		
ENVIRONMENT	Working temperature	ta: -30°C ~50°C tc: 80°C		
	Working humidity	20 ~ 95%RH, non-condensing		
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH		
	Vibration	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.		
	Overtemperature	Protection type:Shut down o/p voltage,repower on to recover		
PROTECTION	Over voltage protection	Shut down the output when non-load voltage≥13V, re-power on to recover after fault condition is removed	Shut down the output when non-load voltage≥26V, re-power on to recover after fault condition is removed	
	Over load protection	Shut down the output when current load ≥110%, auto recovers.		
	Short circuit protection	Protection type: 1. When the first-level short-circuit protection is triggered, the fault can be automatically recovered; 2. When the second-level short-circuit protection is triggered, the power needs to be turned on again after the fault is eliminated		
SAFETY & EMC	Withstand voltage	I/P-0/P: 3750Vac		
	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		
	Strobe test standard	IEEE 1789		
NOTE	1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.  2. Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth.  3. Ensure that the power supply is used under the rated parameters and environment.			

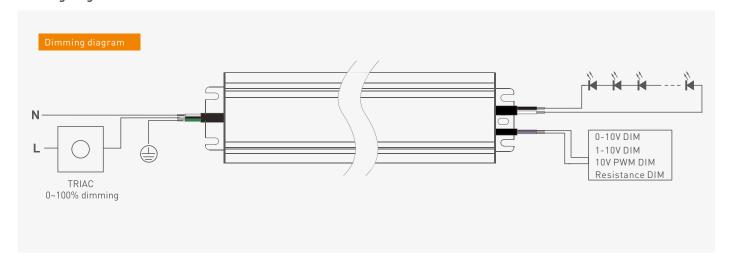




#### **Dimensions** Unit:mm



## Wiring diagram



## Relationship diagrams



YSD-250WHBF-12TL



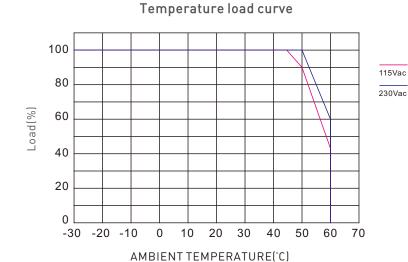
YSD-250WHBF-24TL

# 》与了研预法 250W-12V/24V Dimming waterproof LED driver (CV)



## **Packaging Information**

DIMENSION	248x80x32mm(LxWxH)	
PACKING	260x95x45mm(LxWxH)	
CARTON QUANTITY	15PCS/Carton	
CARTON SIZE	495x275x155mm(LxWxH)	
WEIGHT	1110g±10g/PCS	



### Flicker Test Form

