LED Intelligent Driver (CV)

- Dimming range: 0~100%, LED start at 0.1% possible.
- 0-100% flicker-free, High frequency exemption level.
- Dimming interfaces: DALI-2, Push DIM,0-10V,1-10V,

10V PWM, RESISTANCE DIM

- High Efficient driver: PF>0.96, THD<10%
- Over load / Over temp. / Short circuit / Over voltage protection, recover automatically.
- Suitable for internal lights application for I/II/III.

• Up to 50000-hour life time.











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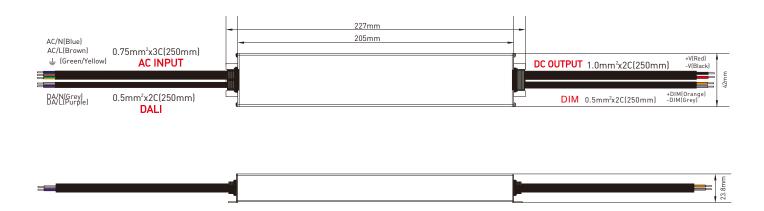
Specification

Model		YSD-100WUDF-12D	YSD-100WUDF-24D	YSD-100WUDF-36D	YSD-100WUDF-48D
Output voltage		12VDC	24VDC	36VDC	48VDC
оитрит	Output voltage range	12VDC±0.3VDC	24VDC±0.6VDC	36VDC±0.6VDC	48VDC±0.6VDC
	Output current	Max 8.3A	Max 4.2A	Max 2.78A	Max 2.1A
	Output power	Max 100W			
	Output power range	0~100W			
	With or without strobe	No strobe			
	Dimming range	0~100%, dimming depth: Max. 0. 1%			
	Ripple & Noise	≤150mV	≤240mV	≤360mV	≤480mV
	PWM frequency	4-16Khz		20001117	24001117
INPUT	Dimming interface	DALI-2 /PUSH DIM/0-10V/1-10V/10V PWM/RESISTANCE DIM(0-100K)			
	Input voltage	100-264Vac			
	Frequency	50/60Hz			
	Input current	1.2~0.4A			
	Power factor	PF>0.96/230Vac, at full load			
	THD	≤10% at 230Vac, at full load			
	Efficiency (typ.)	90%	90%	90%	90%
	Inrush current(typ.)	Cold start 50A at 230Vac	70.0	7 0 70	7676
	Control surge capability	L-N:1KV			
	Leakage current	Max. 0.5mA			
ENVIRONMENT	Working temperature	ta: -25°C ~ 50°C tc: 90°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.			
PROTECTION	Overtemperature	Protection type:Shut down o/p voltage,repower on to recover			
	Over voltage protection	The no-load voltage is greater than 120%~150% rated output voltage. Shut down the output and It can be automatically restored after the fault is eliminated ,			
	Short circuit protection	Protection type: 1. When the first level short-circuit protection is triggered, the fault will recover automatically after 3 seconds. 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			

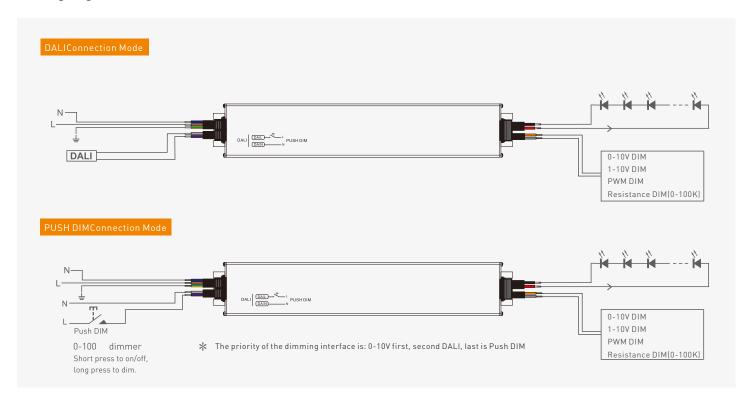


Dimensions

Unit: mm



Wiring diagram



Push DIM



On/off control: Short press.

Stepless dimming: Long press.

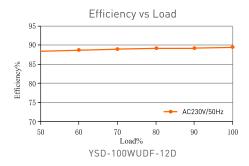
With every other long press, the brightness level goes to the opposite direction.

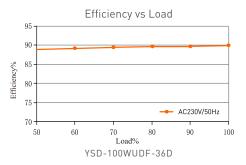
Dimming memory: Go to the brightness level adjusted previously when lights are turned on.

Reset switch

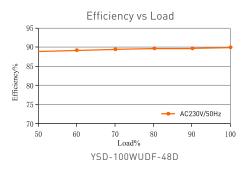


Relationship diagrams



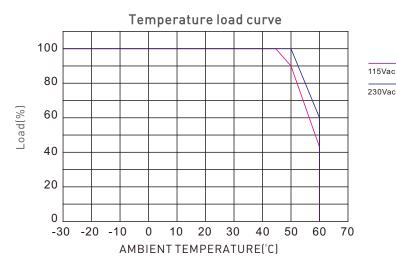


Efficiency vs Load 85 80 75 AC230V/50Hz 70 70 Load% 100 50 90 YSD-100WUDF-24D



Packaging Information

DIMENSION	227x42x23.8mm(LxWxH)		
PACKING	285x67x33mm(LxWxH)		
CARTON QUANTITY	25PCS		
CARTON SIZE	360x293x180mm(LxWxH)		
WEIGHT	465g±10gPCS		



Exemption assessment

Flicker Test Form

