SUPERLIGHTINGLED

LED Intelligent CT Driver (CV)

DALI-2 DT6/DT8, DIM and color temperature adjusting driver Dimming range: 0~100%, LED start at 0.1% possible. Color temperature adjusting range: 2700-6500K

2 independently SELV constant voltage output channels

High Efficicient driver: efficiency:92%, PF>0.96, THD<10% 0-100% flicker-free, High frequency exemption level.

DALI Push DIM/CCT

PF>0.96

THD<10%



Flicker-free

IEEE 1789 High frequency exemption level

Dimmable: 0.1%-100%



DIM/CT

Dimming interfaces: DALI-2 DT6/DT8

- In line with the EU energy efficiency ERP directive, standby power consumption < 0.5W
- Constant power design, adjust different color temperature to keep the same brightness.
- 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.









SELV

CE D







Specification

Model		YSD-100WUDF-12S	YSD-100WUDF-24S	
оитрит	Output voltage	12VDC	24VDC	
	Output voltage range	12VDC±0.3VDC	24VDC±0.6VDC	
	Output current	Max 8.3A	Max 4.2A	
	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	
	DALI frequency	4000Hz		
INPUT	Dimming interface	DALI-2 DT6 /DT8		
	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.)	92%	93%	
	Standby Power Loss	<0.5W		
	Inrush current(typ.)	Cold start 50A at 230Vac		
	Control surge capability	L-N:2KV		
	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 recove	er	
	Over voltage protection	Shut down the output when non-load voltage≥16V, re-power on to recover after fault condition is removed	Shut down the output when non-load voltage≥28V, d. 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	When the short-circuit protection is triggered, It can be automatically restored 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		

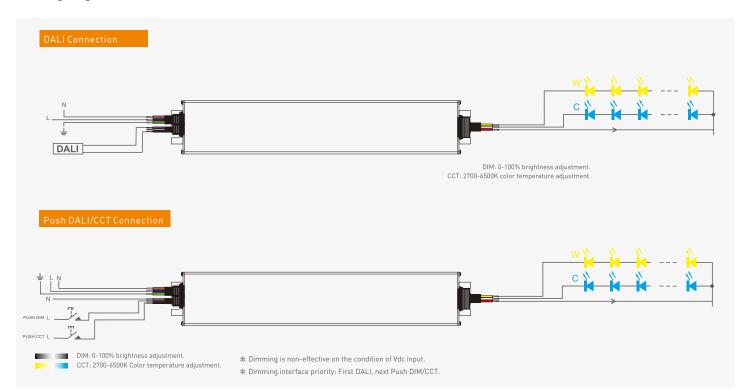
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Dimensions

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.

 $\label{lights} \mbox{Dimming memory:} \mbox{Go to the brightness level adjusted previously} \\ \mbox{when lights are turned on.}$

Reset switch

Push CCT



Shift switch color temperature: short press

Stepless Tinting: Long Press

Every other long press, the color temperature will be adjusted in the opposite direction

Color Memory: When PushDIM briefly presses the switch, the light returns to its previously adjusted brightness and color temperature.

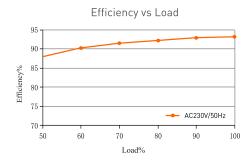
Reset switch

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Relationship diagrams



YSD-100WUDF-12S



YSD-100WUDF-24S

Packaging Information

DIMENSION	317x35x18mm(LxWxH)	
PACKING	mm(LxWxH)	
CARTON QUANTITY	PCS	
CARTON SIZE	mm(LxWxH)	
WEIGHT	465g±10gPCS	

Temperature load curve

