

LED Intelligent Driver

- Dimming interface: DALI, Push Dim.
- 2 independently SELV constant voltage output channels.
- DALI DT8 color temperature driver.
- Dimming range from 0-100%, LED start at 0.1% possible.
- 0-100% flicker-free, achieve the level of exemption assessment.
- Over-heat / Over voltage / Over load / Short circuit protection.
- Standby Power Loss < 0.5W
- Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor I / II/III type lamps application.

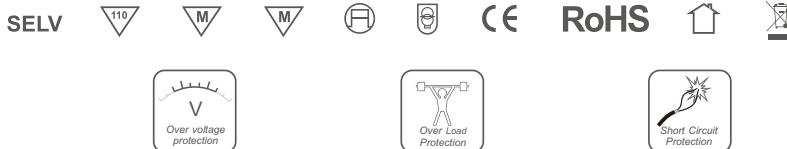


Flicker-free

Achieve the exemption assessment level.



Dimmable:
.....
0.1%-100%



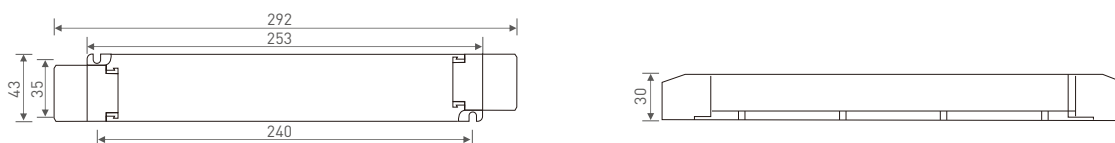
Specification

Model	LM-75-12-U2D2	LM-75-24-U2D2	
OUTPUT	Output Voltage	12Vdc	24Vdc
	Output Voltage Range	12Vdc ±0.5Vdc	24Vdc ±0.5Vdc
	Output Current	Max. 6.25A	Max. 3.12A
	Output Power	Max. 75W	
	Output Power Range	0-75W	
	Strobe Level	Exemption assessment level.	
	Dimming Range	0-100%, dimming depth: Max. 0.1%	
	Overload Power Limitation	≥ 102%	
Ripple & Noise	≤ 200mV		
PWM Frequency	3600Hz		
INPUT	Dimming Interface	DALI (IEC62386), Push Dim	
	Input Voltage	100-277Vac ±10% (Max. 90-305Vac)	
	Frequency	50/60Hz	
	Input Current	115Vac ≤ 0.9A, 230Vac ≤ 0.4A, 277Vac ≤ 0.35A	
	Power Factor	PF>0.99/115Vac, PF>0.97/230Vac, PF>0.95/277Vac, at full load	
	THD	≤ 10% at 115Vac, ≤ 14% at 230Vac, ≤ 17% at 277Vac, at full load	
	Efficiency	>91%	>92%
	Standby Power Loss	< 0.5W	
	Inrush Current[typ.]	Cold start 30A at 277Vac	
	Anti Surge	L-N:1KV L,N-PE:2KV	
Leakage Current	<0.5mA/277Vac		
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	
	Temp. Coefficient	±0.03%/°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. ≥ 110°C, auto recovers	
	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 ≥ 102%, auto recovers.	
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers.	
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac	
	Isolation Resistance	I/P-O/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-PAR 1789		
OTHERS	Dimension	292×43×30mm(L×W×H)	
	Packing	296×44×33mm(L×W×H)	
	Weight(G.W.)	300g±10g	

*The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The instantaneous surge current will be several times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccups flickering). When you order, please remark controlling the constant current LED fixture (e.g. underground light, LED wall washer, constant current LED strip, etc.), then we can prepare the special programs.

Dimensions

Unit: mm



Wiring diagram



Push dimming

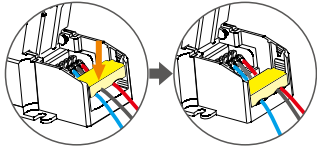


Reset switch

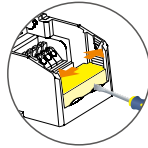
- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

Application of protective cover

Wire pressing board

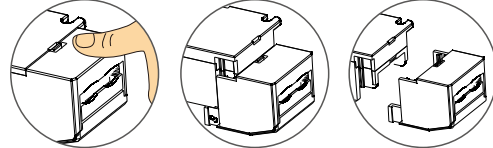


Push the wire pressing board to fix the wire.



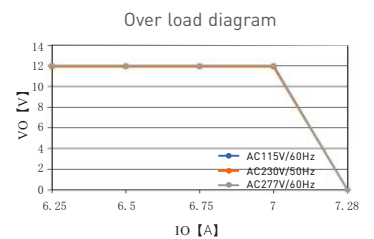
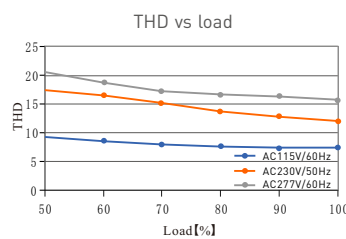
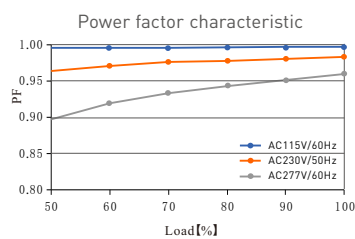
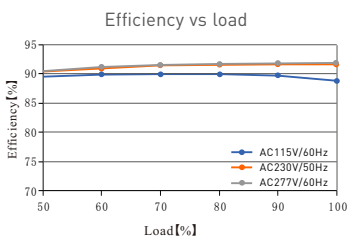
Push outward the side plate, meanwhile use the tool to uninstall the wire pressing board.

Uninstall protective cover

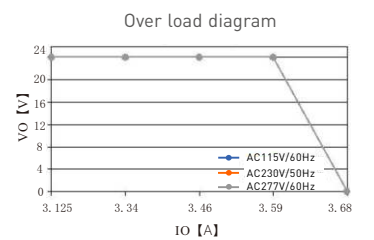
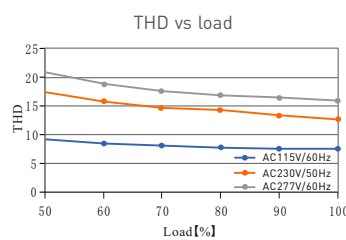
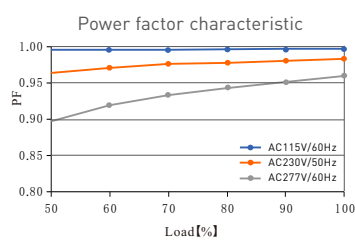
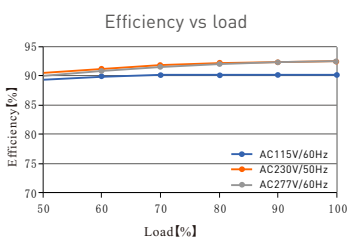


Break off the bottom left and right to remove the protective cover.

Relationship diagrams



LM-75-12-U2D2



LM-75-24-U2D2