

Dimmable LED Driver—LKAD025D

—产品特性/Feature—

- 90-130VAC(50/60Hz)输入/ 90-130VAC(50/60Hz) Input
- 隔离方案,前切(或后切)可控硅调光,调光非常流畅/Isolated, leading (or trailing) triac dimming,dimming much smoothly;
- 高效率,高功率因素,高压绝缘4KV,抗雷击>6KV(可升至10000V),稳定性好,无频闪/ Hight efficiency and PF,Hipot 4KV, Surge test>6KV(can be up to 10KV),good stability,non-flicker;
- 变压器铜丝F级,耐高温155℃(同行120℃)/The copper wire of transformer is Grade F,resist high-temperature 155℃(usually 120℃);
- 短路保护,过流保护,过压保护,过温保护/ short circuit/over load/over current/ over temperature protection;
- 100%满载老化测试/ 100% full load burn-in test;
- 防护等级 IP67/ degree of protection IP67;
- 通过UL和FCC认证/UL and FCC certification passed;
- 适用于面板灯/天花灯/筒灯等照明应用/ suitable for LED lighting,ceiling light,down light and panel light;
- 3年质保期/ 3 years warranty.



产品参数/Specification

Model		LKAD025D	
输入 Input	AC电压范围/AC Voltage range	90-130V	
	频率/Frequency	50/60hz	
	谐波/THD		
	功率因数/Power factor	0.99/110VAC	
输出 Output	额定电压/Rated voltage	40V	
	空载电压/No-load Voltage	45V	
	DC电压范围/DC voltage range	18-40V	
	DC电流范围/DC current range	595-650mA	
	电流精度/Current precision	(+/-) 5%	
	额定功率/Rated power	26W	
	开机延时/Setup Time	≤0.5s/230VAC	
使用环境 Environment Requirements	工作温度/湿度要求 Operating Temp./RH	-30~+45℃/20~95%	
	储存温度,湿度要求 Storage Temp./RH	-40~+80℃/10~95%	
安全和电磁兼容 容	认证编号/Certificate	UL:E478938	
		FCC:WTD14S0918347E	
其他	尺寸/Size	Dia75xH30mm	
	重量/Net weight	107g	

测试数据/Test data

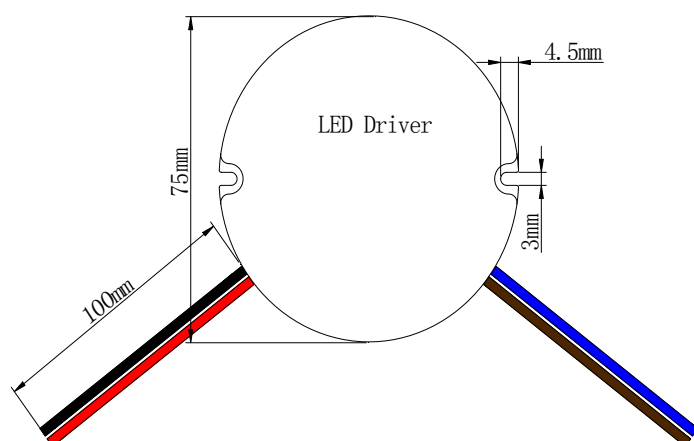
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)	谐波系数 THD
90	168.00	14.78	0.98	18.00	646	11.63	78.7%	
	262.80	23.30	0.99	30.00	620	18.60	79.8%	
	338.50	30.10	0.99	40.00	597	23.88	79.3%	
110	134.60	14.30	0.97	18.00	642	11.56	80.8%	
	209.40	22.54	0.99	30.00	616	18.48	82.0%	
	272.00	29.31	0.99	40.00	599	23.96	81.7%	
130	113.70	14.44	0.96	18.00	650	11.70	81.0%	
	175.00	22.54	0.98	30.00	621	18.63	82.7%	
	224.10	29.02	0.99	40.00	601	24.04	82.8%	

调光测试效果Dimming effect

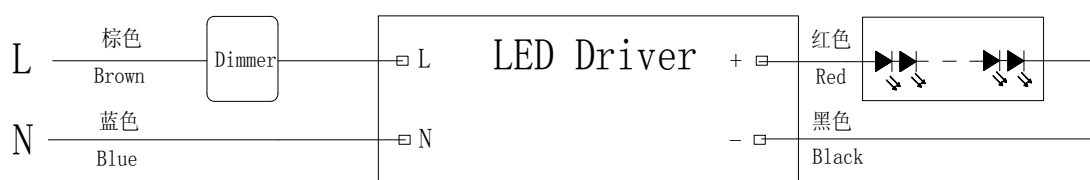
(负载12串36.6V测试/Test load 12S-voltage 36.6V)

编号 NO	调光器型号 Dimmer type	最小电流 Min current (mA)	最大电流 Max current (mA)	调光比 Dimming ratio	调光效果 Dimming effect
1	SIEMENS (220V~) (40-500W)	0.00	647	0-100	OK
2	MANK曼科	0.00	648	0-100	OK
3	T & J (200-240V) (25-630W)	0.00	605	0-100	OK
4	科本电工	0.00	613	0-100	OK
5	K-TG600	0.00	605	0-100	OK
6	TCL国际电工 (K4.0)	0.00	656	0-100	OK
7	曼盈电工	0.00	657	0-100	OK

产品尺寸图/ Product Size Diagram



产品接线示意图/ Product Connection Diagram



备注/Note:

1. 所有没提及到的参数都是在230V输入，额定负载和在周围温度为25℃的情况下测试的；
All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature;
2. 本驱动电源是作为一个部件与最终的设备结合进行操作的。因为EMC的性能在电源完全安装后会受到影响，因此最终设备制造商在完成安装后必须重新获取EMC指示认定。
The LED driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
3. 可以直接与LEDs连接，但不适宜与额外的驱动电源使用；
Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.
4. 为了满足在灯具安装中最后的ErP校准要求，本驱动电源只能在一个不是永久地连接在交流干线的开关后面使用。
To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connect to the mains.

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