

Dimmable LED Drivers—LKAD014D

—产品特性/Feature—



- 200-240VAC (50/60Hz)输入/ 200-240VAC (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, 稳定性好/ High efficiency, high PF, good steady;
- 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;
- 谐波/THD:<38%, 电流精度/Current accuracy:+/-3%;
- 100%满载老化测试/ 100% full load burn-in test;
- 通过SAA认证/SAA approved;
- 独立外置, Class II 恒流类型/ independent, Class II constant current type;
- 防护等级 IP20/ degree of protection IP20;
- 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	LKAD014D	
输入 Input	AC电压范围/AC Voltage range	200-240V
	频率/Frequency	50/60hz
	谐波/THD	≤36%/230VAC
	功率因数/Power factor	0.94/220VAC
输出 Output	额定电压/Rated voltage	42V
	空载电压/No-load Voltage	45V
	DC电压范围/DC voltage range	25-42V
	DC电流范围/DC current range	320-350mA
	电流精度/Current precision	(+/-)3%
	额定功率/Rated power	14W
	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°C/20~95%
	储存温度, 湿度要求 Storage Temp./RH	-40~+80°C/10~95%
安全和电磁兼容	认证编号/Certificate	SAA:132295EA C-tick:WTD13F08064361
	其他	
	尺寸/Size	L107.5xW43xH24mm
	重量/Net weight	77g

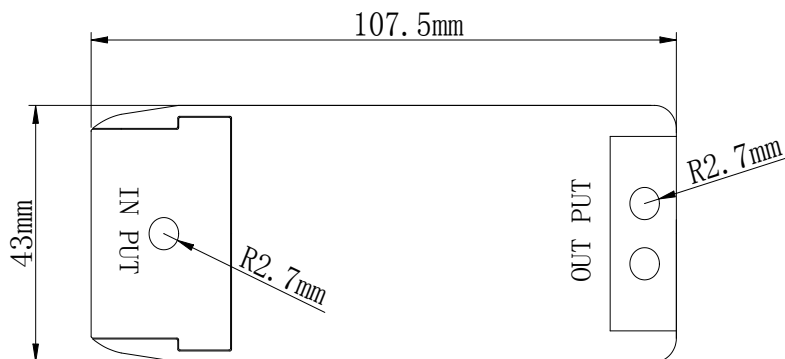
测试数据/Test data

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
200	53.80	10.07	0.94	25.00	317	7.93	78.7%	33.0%
	80.30	15.05	0.94	38.00	315	11.97	79.5%	33.0%
	88.40	16.54	0.94	42.00	307	12.89	78.0%	33.2%
220	52.50	10.77	0.93	25.00	340	8.50	78.9%	34.4%
	77.30	15.98	0.94	38.00	332	12.62	78.9%	33.2%
	85.10	17.56	0.94	42.00	332	13.94	79.4%	33.6%
240	50.10	11.19	0.93	25.00	351	8.78	78.4%	35.7%
	73.30	16.58	0.94	38.00	345	13.11	79.1%	33.1%
	80.20	18.08	0.94	42.00	345	14.49	80.1%	33.7%

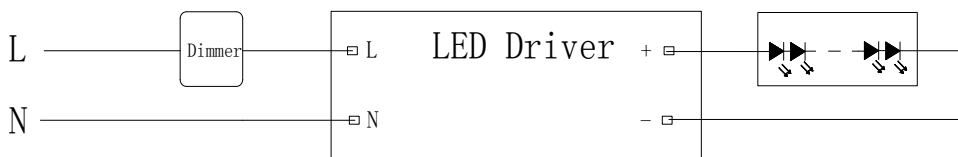
调光测试效果Dimming effect

编号 NO	调光器型号 Dimmer NO	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	威斯堡 (230V~)	5.00	343	0-100	OK
2	奇胜 (220-250V) 630W	0.00	350	0-100	OK (10-20mA微闪)
3	TCL 220V 630W	16.00	350	0-100	OK
4	T & J (200-240V) (25-630W)	6.00	348	0-100	OK
5	Leimove (220V~) 630W	3.00	349	0-100	OK
6	CLIPSAL 250V 2A	0.00	346	0-100	OK
7	Sernaideir 220V 300W	0.00	350	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°C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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