



Dimmable LED Drivers—LKAD080V-T

—产品特性/Feature—

- 120-277VAC (50/60Hz) 输入 / 120-277VAC (50/60Hz) Input
- 隔离方案, 前切 (或后切) / 电子式, 可控硅调光, 调光非常流畅
Isolated, leading (or trailing)/MOS 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 voltage, over current and over temperature protection;
- 100%满载老化测试 / 100% full load burn-in test;
- 兼容市面上绝大部分调光控制系统 (98%以上)。
Compatible with most dimming control systems on the market
- 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;
- 采用自主知识产权单片机控制方案, 可以做到 0.1% 调光解晰度 /
By adopting the control scheme of single chip microcomputer with independent intellectual property rights, 0.1% dimming resolution can be achieved lighting, ceiling light, down light and panel light;
- 3年质保期 / 3 years warranty.



产品参数/Specification

Model		LKAD080V-T	
输入 Input	输入电压范围/Input Voltage range	120-277V	
	频率/Frequency	50/60hz	
	谐波/THD	≤15%	
	功率因数/Power factor	0.97/240VAC	
	输入电流 Input current (mA)	370MA/240V	
	待机功耗 stand_by power	≅ 1W	
	浪涌电流 Inrush Current (Max.)	≤30A@240VAC	
	漏电流 Leakage Current	<1MA/240V	
输出 Output	额定电压/Rated voltage	12V	
	空载电压/No-load Voltage	≤12.5V	
	工作电压范围/working voltage range	12V	
	额定电流规格/Rated current specification	6500MA	
	电流精度/Current precision	(+/-) 5%	
	额定功率/Rated power	78W	
	开机延时/Setup Time	≤0.5s/120VAC	
	输出线性调整率 Output Line Regulation	± 5%	
	温度漂移 temperature drift	± 10%	

保护特性	开路保护Output open circuit protection	有/Enable	
	短路保护Short Circuit Protection	打嗝模式/Hiccup mode	
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 Safety & EMC	认证编号/Certificate	符合CE/ meet CE	
	耐压 withstand voltage	3750MA/60S	
	绝缘阻抗insulation resistance	500V>100M	
	浪涌等级EMS immunity	IEC6100-4-5 (L-N:1KV)	
	安规标准Safety standard	EN61347, GB19510	
	电磁干扰electromagnetic interference	EN55015, EN61000-3-2	
	电磁抗干扰Electromagnetic Susceptibility	EN61000-4-2. 3. 4. 5. 6. 8. 11. EN61547	
其他 Others	IP等级说明 IP level description	IP20	
	质保说明Warranty instructions	3年/3 years	
	尺寸/Size	180**60**35MM	
	重量/Netweight		
注意事项 matters needing attention	<p>1. 建议客户在灯具供电回路中安装过欠压保护与浪涌保护装置，以确保用电安全 1. pls suggest the client to instal the unde voltage protection device and surge protection device to ensure Electricity safety</p> <p>2. 电源作为整灯灯具中的一个零部件与终端设备结合使用，因EMC性能受LED灯具及走线的影响，终端设备制造商需对整套装置重新进行EMC确认。 2. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p> <p>3. 客户在使用电源时，注意电源通风散热和环境温度，超过TA时要做降额使用 3. Becareful of ambient temperature and heat dissipation during the client use this unit, When exceeding TA, the power supply shall be derated</p>		

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 (%)
120V	756.20	93.30	0.991	12.27	6492	79.66	85.4%
	694.50	85.64	0.992	12.26	6000	73.56	85.9%
	565.00	69.68	0.991	12.25	5000	61.25	87.9%
	449.80	55.48	0.991	12.28	4000	49.12	88.5%
	338.10	41.71	0.991	12.28	3000	36.84	88.3%
	240.90	29.36	0.988	12.26	2000	24.52	83.5%
	138.80	16.72	0.975	12.28	1000	12.28	73.4%

240V	369.70	88.89	0.973	12.27	6500	79.76	89.7%
	341.30	81.91	0.971	12.27	6000	73.62	89.9%
	296.90	71.07	0.969	12.25	5000	61.25	86.2%
	240.80	57.28	0.963	12.27	4000	49.08	85.7%
	185.80	43.67	0.951	12.27	3000	36.81	84.3%
	133.70	30.32	0.917	12.27	2000	24.54	80.9%
	89.74	17.32	0.781	12.26	1000	12.26	70.8%
277V	343.30	92.17	0.967	12.28	6500	79.82	86.6%
	317.70	85.72	0.965	12.28	6000	73.68	86.0%
	267.30	71.17	0.959	12.25	5000	61.25	86.1%
	218.00	57.53	0.951	12.27	4000	49.08	85.3%
	170.00	43.97	0.931	12.27	3000	36.81	83.7%
	125.20	30.66	0.882	12.19	2000	24.38	79.5%
	86.93	17.47	0.729	12.28	1000	12.28	70.3%

调光测试效果Dimming effect

(欧规240V品牌调光器测试/European standard 240V brand dimmer test)

编号 NO	调光器型号 Dimmer Type	最小电流 Minimum current (MA)	最大电流 Maximum current(MA))	调光比 Dimming ratio	最大瓦数 Maximum wattage (W)	调光效果 Dimming effect
1	SAL SDA450U	240MA	6472MA	4-100%	90.84W	OK
2	SAL SDD400U	235MA	6457MA	4-100%	89.46W	OK
3	SAL SDD350UM	184MA	6495MA	3-100%	90.81W	OK
4	SHYUSL UK-PRD400VA	252MA	6500MA	4-100%	87.47W	OK
5	CLIPSAL 450W 32E450UDM	446MA	6500MA	7-100%	91.03W	OK
6	CLIPSAL 32E450LM	842MA	6500MA	13-100%	88.41W	OK
7	Legvand HPM cat 400L	530MA	5033MA	11-100%	65.37W	OK
8	Panasonic WTDF570 26K	0MA	6534MA	0-100%	87.72W	OK
9	JUNON	540MA	6530MA	8-100%	87.35W	OK
10	TCL国际电工L2.0 630W	0MA	6513MA	0-100%	90.66W	OK
11	TRJ 1000W	562MA	6505MA	9-100%	87.8W	OK
12	TRJ 630W	599MA	6500MA	9-100%	87.72W	OK
13	Scenendais 1000w	0MA	6487MA	0-100%	87.02W	OK
14	美尚1000W	799MA	6433MA	12-100%	86.39W	OK
15	TeN GEN V5-TG1G	1252MA	6537MA	19-100%	91.25W	OK
16	Midea 630W	864MA	6500MA	13-100%	87.59W	OK

调光测试效果Dimming effect

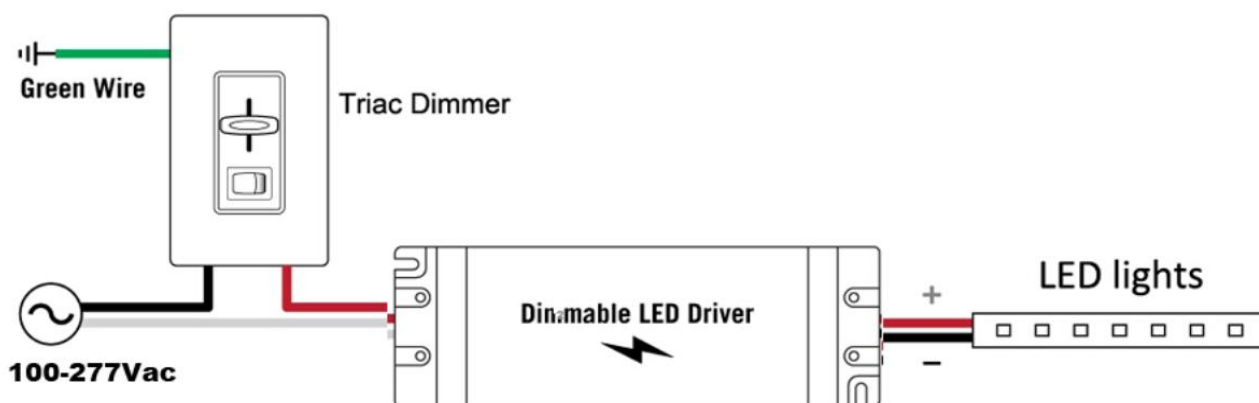
(美规120V品牌调光器测试/Testing of American Standard 120V dimmer)

编号 NO	调光器型号 Dimmer Type	最小电流 Minimum current (MA)	最大电流 Maximum current(MA))	调光比 Dimming ratio	最大瓦数 Maximum wattage (W)	调光效果 Dimming effect
1	LEVI TON 665	335MA	6530MA	5-100%	96.58W	OK
2	LEVI TON 666	350MA	6550MA	5-100%	92.09W	OK
3	Panasonis wn3020	42MA	6530MA	1-100%	94.71W	OK
4	TLC-0003	60MA	6541MA	1-100%	93.81W	OK
5	LC211 WT5-0529	0MA	6520MA	0-100%	95.17W	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 220V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 2 20VAC input, rated load and 25 of ambient temperature;

2.注意接线的方向，不要搞反输入和输出端
Pay attention to the direction of wiring, do not reverse the input and output terminals

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