



—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
- 3年质保期 / 3 years warranty..



产品参数/Specification

Model		LKAD029D-T	
输入 Input	输入电压范围/Input Voltage range	120-277V	
	频率/Frequency	47-63HZ	
	谐波/THD	≤15%	
	功率因数/Power factor	0.95/120VAC	
	输入电流 Input current (mA)	123MA/120V	
	待机功耗 stand_by power	≤0.5W/240VAC	
	浪涌电流 Inrush Current (Max.)	≤10A@240VAC	
	漏电流 Leakage Current	<0.1MA/240V	
输出 Output	额定电压/Rated voltage	24V	
	空载电压/No-load Voltage	≤26V	
	工作电压范围/working voltage range	24V	
	额定电流规格/Rated current specification	500-1250MA	
	电流精度/Current precision	(+/-)5%	
	额定功率/Rated power	30W	
	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°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 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	110*41*26MM	
	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	123.00	14.08	0.950	24.11	500	12.06	85.6%
	242.00	28.55	0.979	24.15	1000	24.15	84.6%
	308.50	36.09	0.978	24.11	1250	30.14	83.5%
220V	78.00	14.95	0.881	24.23	500	12.12	81.0%
	136.00	28.12	0.943	24.15	1000	24.15	85.9%
	165.40	34.80	0.951	24.11	1250	30.14	86.6%
277V	75.00	15.33	0.801	24.22	500	12.11	79.0%
	118.00	28.46	0.903	24.13	1000	24.13	84.8%
	138.00	35.00	0.923	24.11	1250	30.14	86.1%

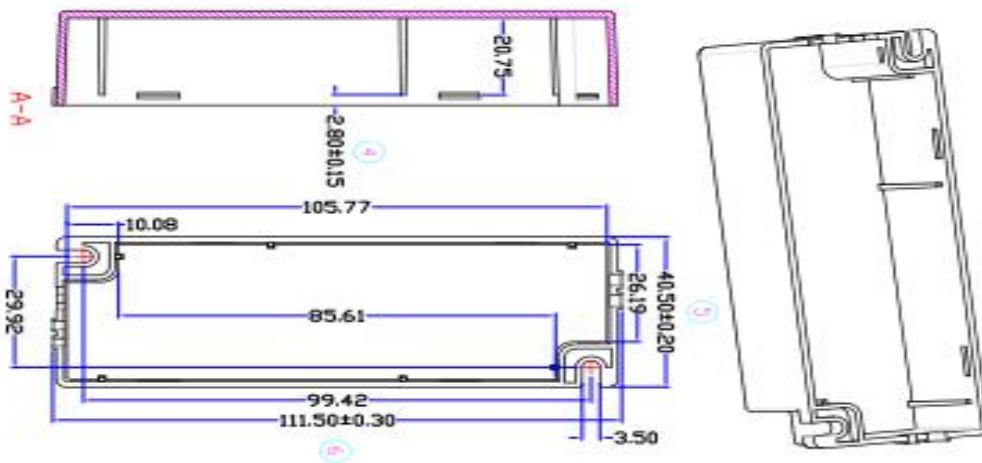
调光测试效果Dimming effect	(欧规240V品牌调光器测试/European standard 240V brand dimmer test)
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编号 NO	调光器型号 Dimmer Type	最小瓦数 Minimum wattage(W)	最大瓦数 Maximum wattage (W)	调光比 Dimming ratio	调光效果 Dimming effect	备注 remarks
1	Snaider 300W	0.17W	37.73W	0-100%	Perfect	全暗
2	JUNON 300W	2.61W	38.25W	7-100%	Perfect	微暗
3	美尚 1000W	3.36W	39.26W	8-100%	Perfect	微暗
4	TENGEN V5-TG/G	3.21W	37.72W	9-100%	Perfect	微暗
5	Nader	3.35W	37.75W	9-100%	Perfect	微暗
6	CLIPSAL 500VA	0.13W	29.57W	0-100%	Perfect	全暗
7	Midea	2.89W	38.42W	8-100%	Perfect	微暗
8	松本电工	0.14W	38W	0-100%	Perfect	全暗
9	TCL	0.18W	37.94W	0-100%	Perfect	全暗
10	SHYUSLC	2.78W	38.22W	7-100%	Perfect	微暗

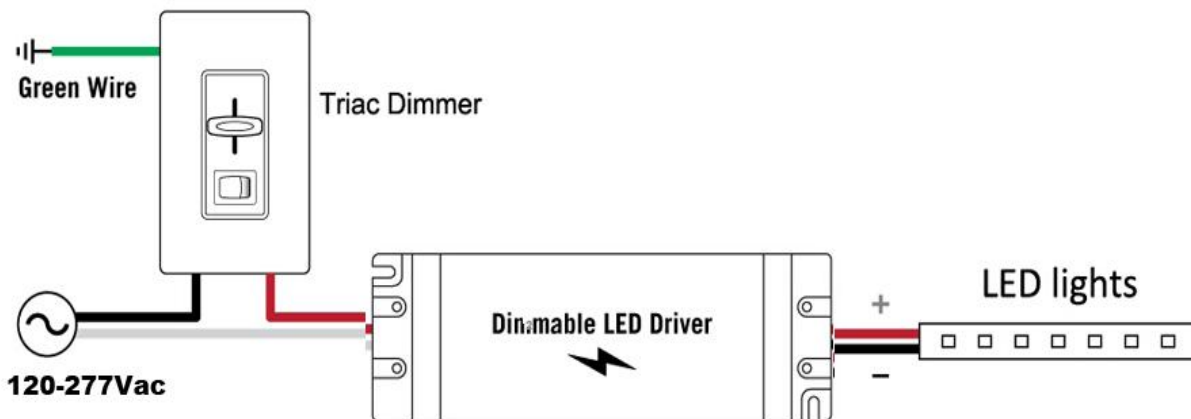
调光测试效果Dimming effect	(美规120V品牌调光器测试/Testing of American Standard 120V dimmer)
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编号 NO	调光器型号 Dimmer Type	最小瓦数 Minimum wattage(W)	最大瓦数 Maximum wattage (W)	调光比 Dimming ratio	调光效果 Dimming effect	备注 remarks
1	Lutron SB-1 600W	1.58W	42.1W	4-100%	Perfect	微暗
2	LC211	1.24W	42.33W	0-100%	Perfect	全暗
3	Lutron SCL-153P	0.7W	42.77W	0-100%	Perfect	全暗
4	TLC-0005	0.86W	40.89W	0-100%	Perfect	全暗
5	TLC-004	1.48W	43.7W	3-100%	Perfect	微暗
6	TLC-0003	1.37W	42.36W	3-100%	Perfect	微暗
7	LEVLTON 150W	0.06W	40.5W	0-100%	Perfect	全暗
8	PanaSonic Wn3020	1.03W	41.53W	2-100%	Perfect	微暗

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240V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 240VAC 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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