

—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)/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/ Hight efficiency,hight 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/ MCU solution, The dimming resolution can



产品参数/Specification

Model		LKAD066V-T	备注
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	0.999/120VAC	
	输入电流 Input current (mA)	2500MA/120VAC	
	待机功耗 stand_by power	≅3.5W	
	浪涌电流 Inrush Current (Max.)	≤68A@277VAC	
输出 Output	漏电流 Leakage Current	<1MA/277VAC	
	额定电压/Rated voltage	24V	
	空载电压/No-load Voltage	≅24.5V	
	工作电压范围/working voltage range	23.5-24.2V	
	可选择电压规格/selectable voltage specs	12V/24V/48V	
	电压精度/Current tolerance	(+/-)1%	
	额定功率/Rated power	60W	
	开机延时/Setup Time	≤0.5s/120VAC	
	输出线性调整率Output Line Regulation	±3%	
温度漂移temperature drift	±3%		
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 Requirement	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		
	耐压 withstand voltage	3750Vac/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		
	质保说明Warranty instructions	5年/5 years	
	尺寸/Size	155 x 50 x 28mm	
	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	580	70.10	0.996	23.92	2500	59.80	85.3%
	470	56.54	0.996	23.81	2000	47.62	84.2%
	360	43.40	0.996	23.82	1500	35.73	82.3%
240V	300	68.04	0.961	23.80	2500	59.50	87.4%
	260	55.71	0.931	23.81	2000	47.62	85.5%
	200	42.50	0.914	23.83	1500	35.75	84.1%
277V	270	68.01	0.915	23.78	2500	59.45	87.4%
	210	55.10	0.983	23.80	2000	47.60	86.4%
	160	42.56	0.974	23.82	1500	35.73	84.0%

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	最小瓦数 Minimum wattage(W)	最大瓦数 Maximum wattage (W)	调光比 Dimming ratio	调光器种类 The type of dimmer	备注 remarks
1	T&J 25-1000W	8.25	57.81	14.26%	Leading	p
2	Lautrupvang DK-275D	10.10	50.00	20.20%	Trailing	p
3	European-No 2	8.90	56.70	15.70%	Trailing	p
4	TENGEN V5-TG/G	10.24	59.95	17.08%	Leading	p
5	Nader	11.47	59.90	19.15%	Leading	p

6	CLIPSAL 500VA	0.12	52.00	0.23%	Leading	p
7	Midea 220V 630W	9.60	60.16	15.96%	Leading	p
8	European-No 1	3.30	59.95	5.50%	Trailing	p
9	TCL 630W 220V	0.17	59.95	0.28%	Leading	p
10	SHYUSLC UK-PRD400VA	5.82	47.40	12.28%	Trailing	p

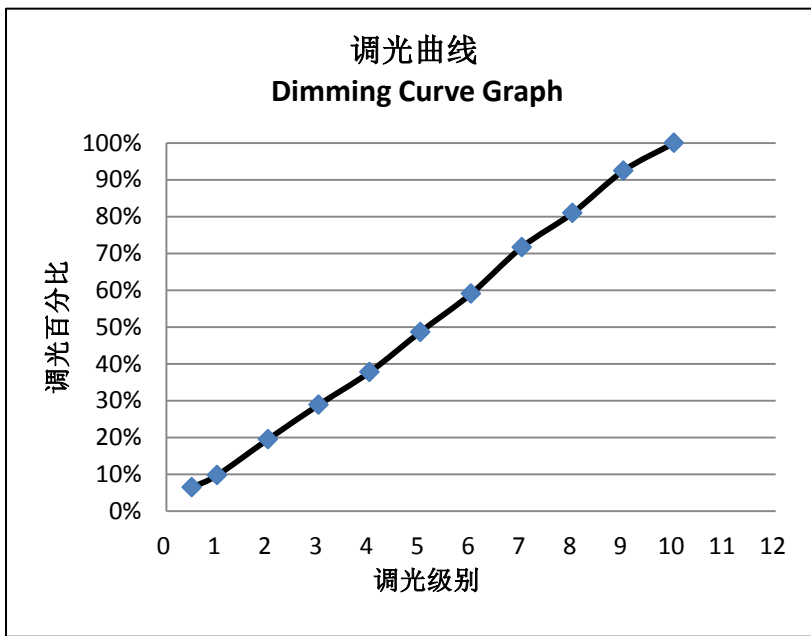
调光测试效果Dimming effect

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

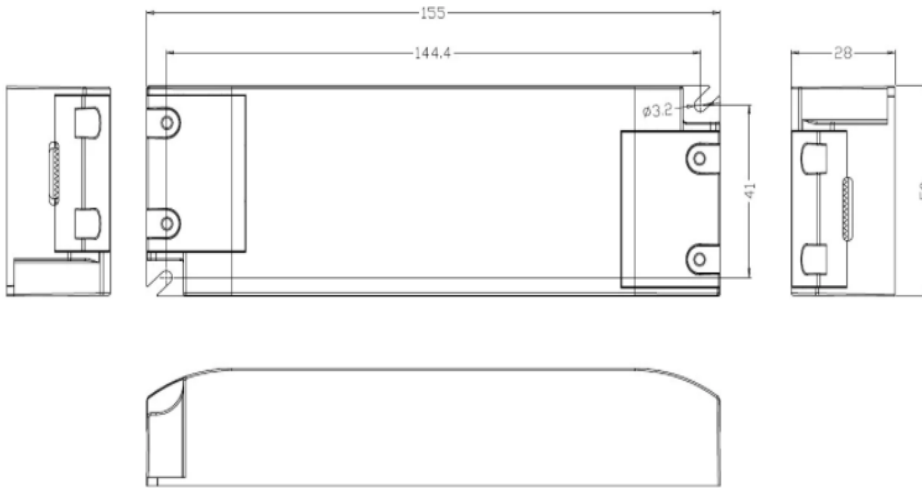
编号 NO	调光器型号 Dimmer Type	最小瓦数 Minimum wattage(W)	最大瓦数 Maximum wattage (W)	调光比 Dimming ratio	调光器种类 The type of dimmer	备注 remarks
1	Lutron SB-1 600W	1.16W	53.05W	0.6-100%	Leading	P
2	LC211	3.3W	50.58W	0.9-100%	Leading	P
3	Lutron TTCL100	4.3W	52W	5.3-100%	Leading	P
4	TLC-0005	6.30	55W	4.6-100%	Trailing	P
5	PEC-002	5.512W	54.21W	4.5-100%	Leading	P
6	TLC-0003	7.57W	55.3W	4.5-100%	Leading	P
7	LEVLTON 150W	2.0W	51.05W	5.8-100%	Leading	P
8	PanaSonic Wn3020	3.3W	53.5W	4.2-100%	Leading	P

0-10V调光测试数据Dimming test data

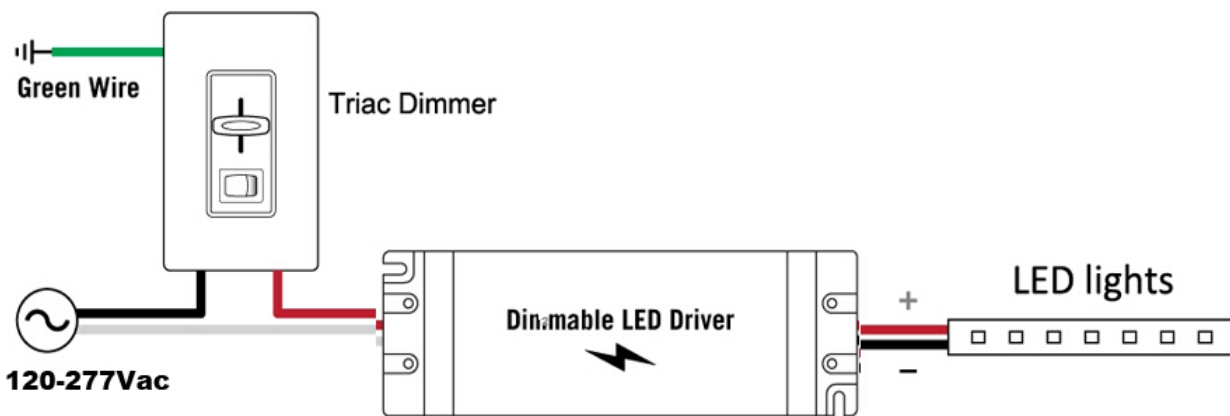
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	调光比 Dimming ratio	调光电压 Dimming voltage (V)	备注 remarks
120	38.13	3.70	0.792	18.85	6.47%	0.5	P
120	50.50	5.60	0.904	19.14	9.79%	1	P
120	93.08	11.17	0.979	19.78	19.52%	2	P
120	135.10	16.54	0.992	20.37	28.90%	3	P
120	176.50	21.61	0.996	20.90	37.76%	4	P
120	227.20	27.86	0.998	21.50	48.68%	5	P
120	276.20	33.80	0.999	22.09	59.06%	6	P
120	335.20	41.03	0.999	22.71	71.69%	7	P
120	378.80	46.34	0.999	23.13	80.97%	8	P
120	432.00	52.90	0.998	23.63	92.43%	9	P
120	469.00	57.23	0.99	23.95	100.00%	10	P



产品尺寸图/ Product Size Diagram



产品接线示意图/ Product Connection Diagram



备注/Note:

- 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;
- 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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