

### —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 IP65/ degree of protection IP65;
- 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		LKAD160V-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	0.98/240VAC	
	输入电流 Input current (mA)	699MA/240V	
	待机功耗 stand_by power	≤3.5W/240VAC	
	浪涌电流 Inrush Current (Max.)	≤20A@240VAC	
	漏电流 Leakage Current	<1MA/240V	
输出 Output	额定电压/Rated voltage	24V	
	空载电压/No-load Voltage	≤24.3V	
	工作电压范围/working voltage range	24V	
	额定电流规格/Rated current specification	6250MA	
	电流精度/Current precision	(+/-)5%	
	额定功率/Rated power	150W	
	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	IP65	
	质保说明Warranty instructions	3年/3 years	
	尺寸/Size	181*60*38mm	
	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	1450.00	172.00	0.990	24.050	6250	150.31	87.4%
180V	926.00	166.00	0.990	24.060	6250	150.38	90.6%
240V	699.00	164.90	0.980	24.070	6250	150.44	91.2%
277V	609.00	164.90	0.980	23.910	6250	149.44	90.6%

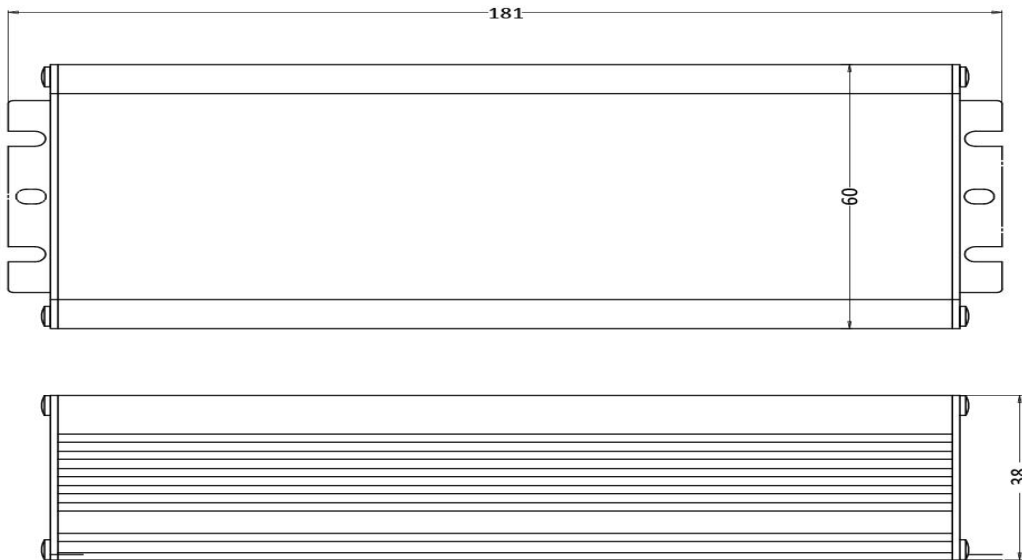
调光测试效果Dimming effect	(欧规240V品牌调光器测试/European standard 240V brand dimmer test)
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编号 NO	调光器型号 Dimmer Type	最小瓦数 Minimum wattage(W)	最大瓦数 Maximum wattage ( W)	调光比 Dimming ratio	调光效果 Dimming effect	备注 remarks
1	Snaider 300W	0.1W	168W	0-100%	OK	
2	JUNON 300W	33W	167W	20-100%	OK	
3	美尚 1000W	30W	168W	18-100%	OK	
4	TENGEN V5-TG/G	36W	166W	22-100%	OK	
5	T&J	21W	168W	13-100%	OK	
6	CLIPSAL 500VA	0.1W	168W	0-100%	OK	
7	Midea	30W	168W	18-100%	OK	
8	Scendais	17W	168W	10-100%	OK	
9	Nader	18W	168W	11-100%	OK	
10	SHYUSLC	0.1W	166W	0-100%	OK	

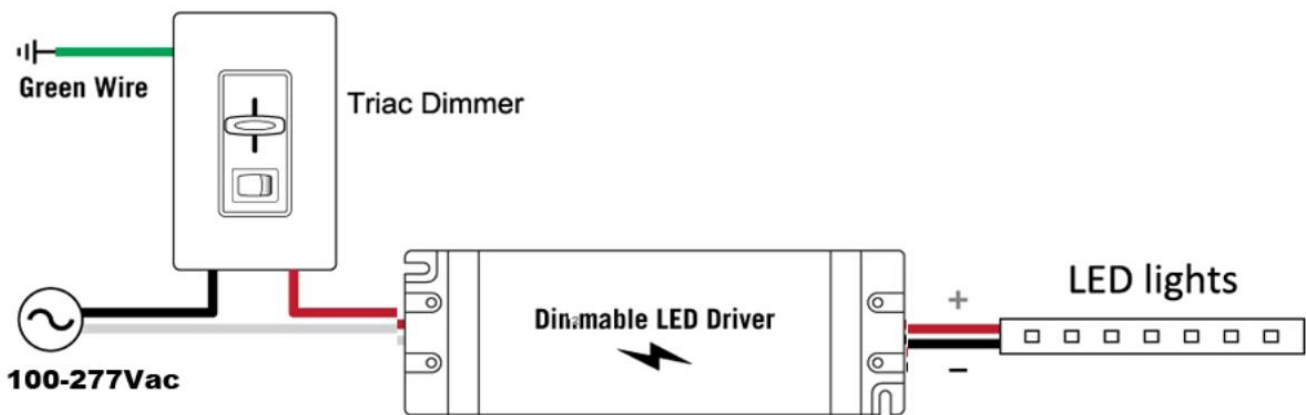
调光测试效果Dimming effect	(美规120V品牌调光器测试/Testing of American Standard 120V dimmer)
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编号 NO	调光器型号 Dimmer Type	最小瓦数 Minimum wattage(W)	最大瓦数 Maximum wattage ( W)	调光比 Dimming ratio	调光效果 Dimming effect	备注 remarks
1	Lutron SB-1 600W	4W	126W	32-100%	OK	
2	LC211	3W	126W	2-100%	OK	
3	Lutron SCL-153P	7W	116W	6-100%	OK	
4	TLC-0005					
5	TLC-004					
6	TLC-0003	0.1W	127W	0-100%	OK	
7	LEVLTON 150W					
8	PanaSonic Wn3020	7W	130W	5-100%	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 220VAC 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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