



Dimmable LED Drivers—LKAD054D



—产品特性/Feature—

- 100-132VAC (50/60Hz) 输入 / 100-132VAC (50/60Hz) Input
- 隔离方案, 兼容市面上主流的可控硅调光系统, 无频闪 / Isolation scheme, compatible with the mainstream SCR dimming system on the market, no stroboscopic
- 高效率, 稳定性好 / High efficiency, good steady;
- 短路保护, 过流保护, 过压保护 / short circuit/over load/over current/ ;
调光流畅, 兼容性好 / smooth dimming, good compatibility
- 100% 满载老化测试 / 100% full load burn-in test;
- 独立外置, Class I 恒流类型 / independent, Class I constant current type;
- 防护等级 IP65 导热硅胶散热 / Protection grade IP65 heat conduction silica gel heat dissipation .



产品参数/Specification

Model		LKAD054D	
输入 Input	输入电压范围/Input Voltage range	108-132V	
	频率/Frequency	50/60hz	
	谐波/THD	≤15%	
	功率因数/Power factor	0.9/110VAC	
	输入电流 Input current (mA)	500MA	
	待机功耗 stand_by power	≅0.5W	
	浪涌电流 Inrush Current (Max.)	≤30A@230VAC	
	漏电流 Leakage Current	<1MA/120V	
输出 Output	额定电压/Rated voltage	24V	
	空载电压/No-load Voltage	24V	
	工作电压范围/working voltage range	24V	
	可选择电流规格/selectable current	2000MA	
	电流精度/Current precision	(+/-)3%	
	额定功率/Rated power	48W	
	开机延时/Setup Time	≤0.5s/230VAC	
	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	E478938	
	耐压 withstand voltage	1500VAC/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	IEC61347-2-13 EN6147-2-13	
	电磁干扰electromagnetic interference	Fcc Part15B	
	电磁抗干扰Electromagnetic Susceptibility	Fcc Part15B	
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	155*43*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 install the under 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. Be careful 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

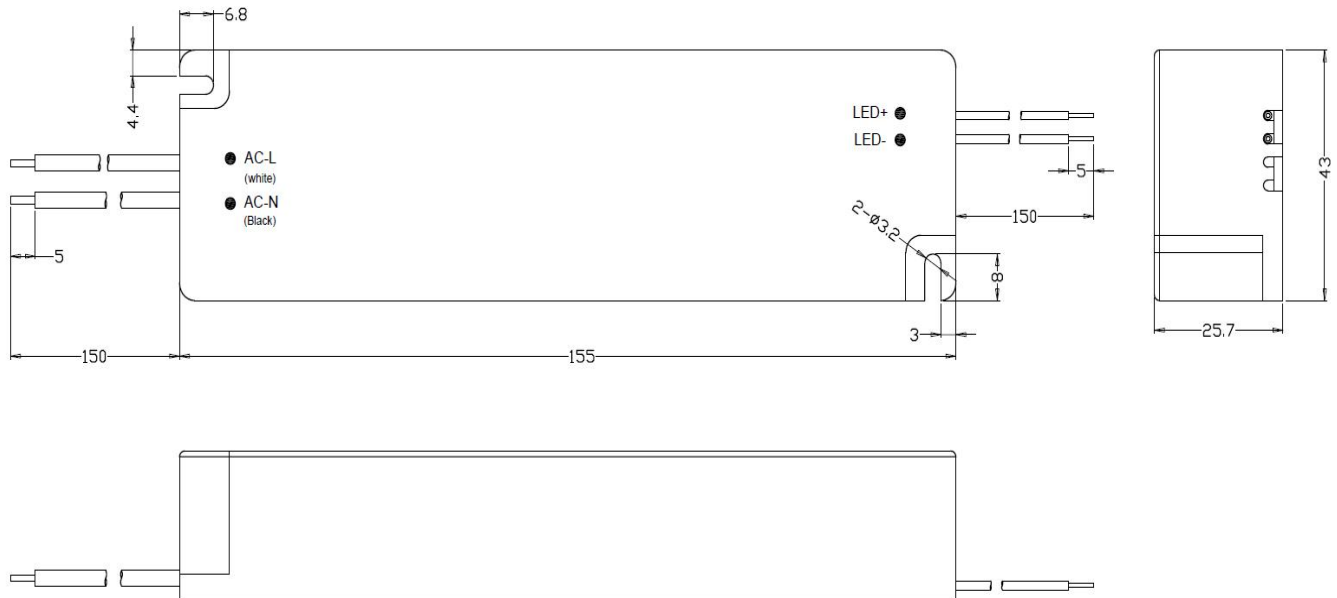
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)
130V	420.00	54.79	0.996	13.980	2000	27.96	51.0%
	231.50	27.44	0.907	24.030	1000	24.03	87.6%
	135.40	13.69	0.900	24.100	500	12.05	88.0%
120V	457.00	55.12	0.996	23.980	2000	47.96	87.0%
	233.80	27.30	0.968	24.010	1000	24.01	87.9%
	141.50	13.84	0.900	24.050	500	12.03	86.9%
110V	498.70	55.59	0.994	23.980	2000	47.96	86.3%
	248.10	27.30	0.988	24.030	1000	24.03	88.0%
	130.80	14.04	0.963	24.100	500	12.05	85.8%

调光测试效果Dimming effect

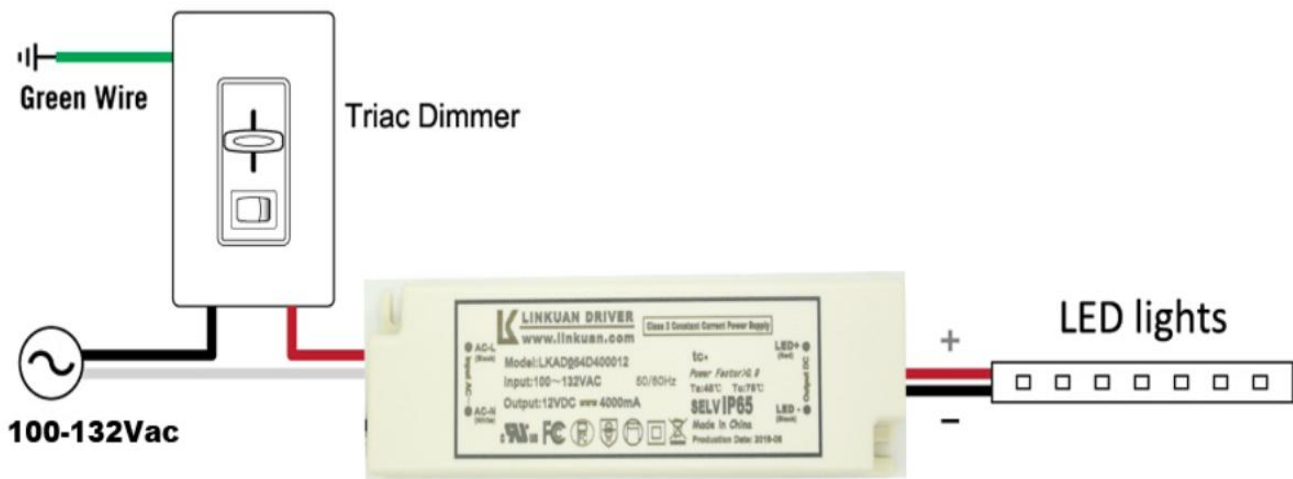
(负载50V测试/Test load voltage 50V)

编号 NO	调光器型号 Dimmer Type	最小电流 Min current	最大电流 Max current(mA)	调光比 Dimming ratio	调光效果 Dimming effect
1	LEVITON 666 150W	80MA	2000MA	4-100%	OK
2	TCL-004 800W	237MA	2000MA	12-100%	OK
3	LC211 300W	112MA	2000MA	6-100%	OK
4	TLC-003 300W	240MA	2000MA	12-100%	OK
5	LUTRON-TTCL-100 250W	345MA	2000MA	17-100%	OK
6	DINNER SB-1 600W	44MA	2000MA	3-100%	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.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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