



Dimmable LED Drivers—LKAD046D-T



—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/ 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	LKAD046D-T	
输入 Input	输入电压范围/Input Voltage range	200-240V
	频率/Frequency	50/60hz
	谐波/THD	
	功率因数/Power factor	0.60/220VAC
	输入电流 Input current (mA)	1250MA Max
	待机功耗 stand_by power	≤1W
	浪涌电流 Inrush Current (Max.)	≤30A@230VAC
	漏电流 Leakage Current	
输出 Output	额定电压/Rated voltage	40V
	空载电压/No-load Voltage	45V
	工作电压范围/working voltage	20-42V
	可选择电流规格/selectable current	800/900/1000/1200
	电流精度/Current precision	(+/-) 3%
	额定功率/Rated power	53W
	开机延时/Setup Time	≤0.5s/230VAC
	输出线性调整率Output Line Regulation	
	温度漂移temperature drift	

保护特性	开路保护Output open circuit p	≤55V	
	短路保护Short Circuit Protect	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 inter		
	电磁抗干扰Electromagnetic Sus		
其他 Others	IP等级说明 IP level descripti	IP20	
	质保说明Warranty instructions	3年/3 years	
	尺寸/Size	155*50*28MM	
	重量/Netweight	150g	
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

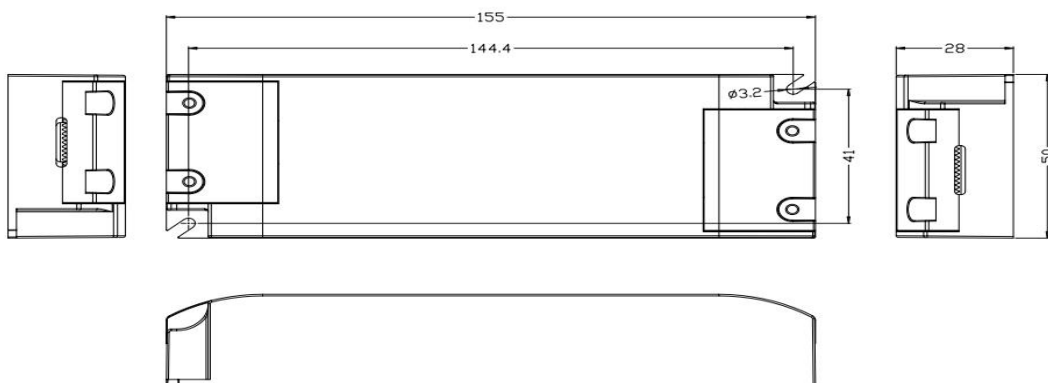
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)	谐波系数 THD
200	244.30	29.35	0.594	20.00	1182	23.64	80.5%	
	392.40	49.25	0.623	35.00	1190	41.65	84.6%	
	469.20	59.63	0.630	42.00	1209	50.78	85.2%	
230	220.70	29.05	0.574	20.00	1179	23.58	81.2%	
	355.90	49.12	0.603	35.00	1187	41.55	84.6%	
	418.00	58.72	0.612	42.00	1206	50.65	86.3%	
240	211.60	29.32	0.574	20.00	1183	23.66	80.7%	
	341.90	49.38	0.600	35.00	1190	41.65	84.3%	
	400.80	58.78	0.610	42.00	1209	50.78	86.4%	

调光测试效果Dimming effect

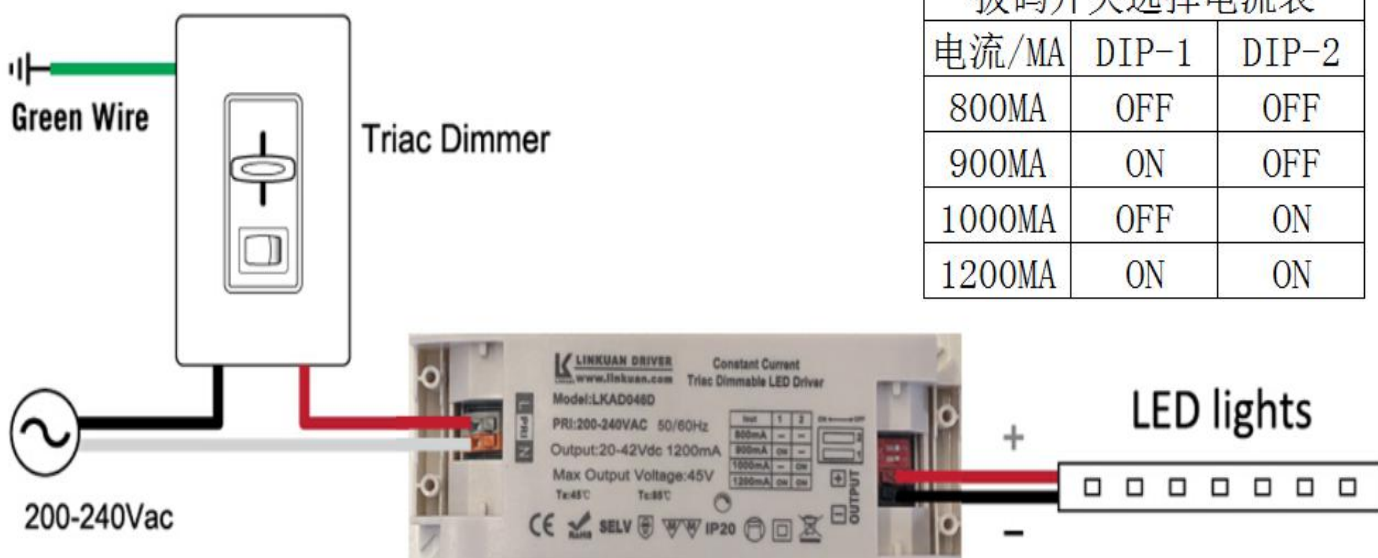
(负载50V测试/Test load voltage 50V)

编号 NO	调光器型号 Dimmer Type	最小电流 Min current(mA)	最大电流 Max current(mA)	调光比 Dimming ratio	调光效果 Dimming effect
1	KEYEY 220V~	0MA	1201	0-100%	OK
2	EUPCHIPS 500W 105EI	40MA	1200	0-100%	OK
3	TENGEN	0MA	1202	0-100%	OK
4	T & J 630W	0MA	1203	0-100%	OK
5	snaider 15-450W	46MA	1204	4-100%	OK
6	T & J 1000W	0MA	1202	0-100%	OK
7	Midea 630W	0MA	1204	0-100%	OK
8	CHNT 500W	0MA	1203	0-100%	OK
9	JUNON	0MA	1206	0-100%	OK
10	UK-PRD400VA 150W	317MA	1205	0-100%	OK
11	LTECH 300W	0MA	1207	0-100%	OK
12	LINKUN 300W	0MA	1206	0-100%	OK

产品尺寸图/ Product Size Diagram



产品接线示意图/ Product Connection Diagram



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，以及拨码开关的位置。

Pay attention to the direction of wiring, do not reverse the input and output terminals, and the position of the dip switch.

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