Dimmable LED Drivers—LKAD019D-T

—产品特性/Feature—

■ 120-277VAC(50/60Hz)输入/120-277VAC(50/60Hz) Input

■ 业类首创兼容前切（或后切 ）宽电压输入可控硅调光，且调光非常流畅，无抖动，无频闪 /Isolated ， leading (or trailing) triac dimming,dimming much smoothly;

■ 实现高PF无频闪，实现了整个调光范围内动态无频闪。Realize high PF without stroboscopic, realize dynamic stroboscopic in the whole dimming range.

■ 高效率、高功率因素，稳定性好/ Hight efficiency,hight PF,good steady;

■ 独立外置，ClassⅡ恒流类型/ independent, ClassⅡconstant current type;

■ 短路保护,过流保护,过压保护,过温保护/ short circuit/over load/over current/ over temperature protection;

■ 100%满载老化测试/ 100% full load burn-in test;

产品参数/Specification

Model		LKAD019D-T	
输入 Input	输入电压范围/Input Voltage rang	120-277V	
	频率/Frequency	50/60hz	
	谐波/THD	≤10%	
	功率因数/Power factor	0.99/120VAC	
	输入电流 Input current (mA)	150MA	
	待机功耗 stand_by power	≤0.5W/120VAC	
	浪涌电流 Inrush Current(Max.)	≤15A@120VAC	
	漏电流 Leakage Current	<1MA/240V	
输出 Output	额定电压/Rated voltage	40V	
	空载电压/No-load Voltage	≤48V	
	工作电压范围/working voltage ra	20-42V	
	可选择电流规格/selectable curre	150-350mA	
	电流精度/Current precision	(+/-)5%	
	额定功率/Rated power	15W	
	开机延时/Setup Time	≤0.5s/230VAC	
	输出线性调整率Output Line Regul	±5%	
	温度漂移temperature drift	±10%	

保护特性	开路保护Output open circuit pro	有/Enable	
	短路保护Short Circuit Protectio	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℃/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	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 interfe	Fcc Part15B	
	电磁抗干扰Electromagnetic Susce	Fcc Part15B	
其他 Others	IP等级说明 IP level descriptior	IP20	
	质保说明Warranty instructions	3年/3 years	
	尺寸/Size	88*37*24	
	重量/Netweight	105g	
注意事项 matters needing attention	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 instalt the unde voltage protection device and surge protection device to ensure Electricity safety 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. 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		

测试数据/Test data

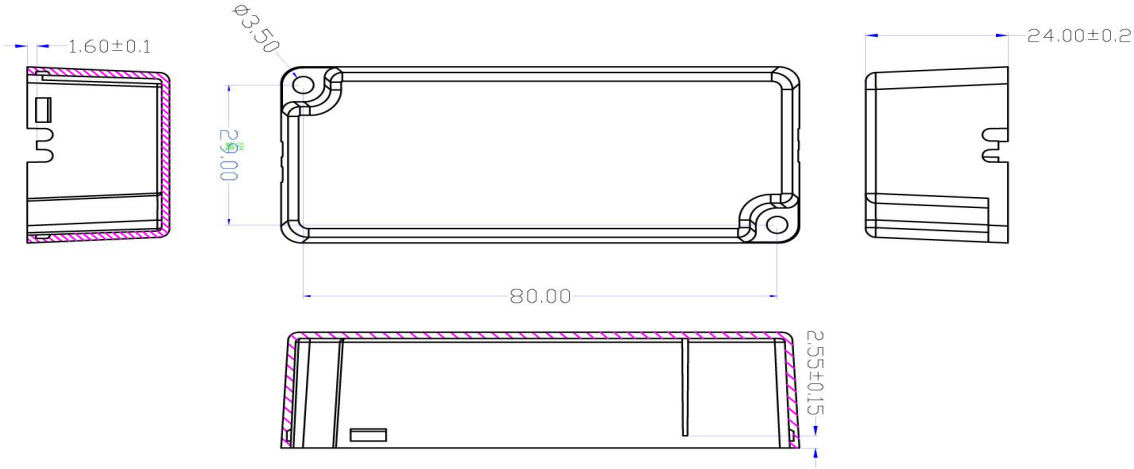
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)
277V	65.93	17.30	0.948	40.00	341	13.64	78.8%
	54.08	13.83	0.923	30.00	359	10.77	77.9%
	38.90	8.70	0.859	18.00	367	6.61	75.9%
220V	78.14	16.72	0.973	40.00	339	13.56	81.1%
	62.69	13.23	0.959	30.00	354	10.62	80.3%
	43.22	8.30	0.921	18.00	365	6.57	79.2%
120V	144.80	17.30	0.995	40.00	343	13.72	79.3%
	111.40	13.30	0.992	30.00	354	10.62	79.8%
	71.66	8.26	0.986	18.00	359	6.46	78.2%

调光测试效果Dimming effect

（负载灯带测试/Load light strip test）

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	0MA	335MA	0-100%	OK
2	TCL-004 800W	5MA	340MA	1.5-100%	OK
3	LC211 300W	0MA	339MA	0-100%	OK
4	TLC-003 300W	15MA	340MA	5-100%	OK
5	LUTRON-TTCL-100 250W	27MA	345MA	8-100%	OK
6	DINNER SB-1 600W	0MA	340MA	0-100%	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℃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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