

# Dimmable LED Driver—LKAD04V



## —产品特性/Feature—

- 100-277VAC (50/60Hz) 输入 / 90-132VAC (50/60Hz) Input
- 隔离方案, 前切 (或后切) 可控硅调光, 调光非常流畅/Isolated, leading (or trailing) triac dimming, dimming much smoothly;
- 高效率、高功率因素, 稳定性好/ High efficiency, high PF, good steady;
- 独立外置, Class II 恒流类型/ independent, Class II constant 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;
- 防护等级 IP20/ degree of protection IP20;
- 适用于面板灯/天花灯/筒灯等照明应用/ suitable for LED lighting, ceiling light, down light and panel light;
- 3年质保期/ 3 years warranty.



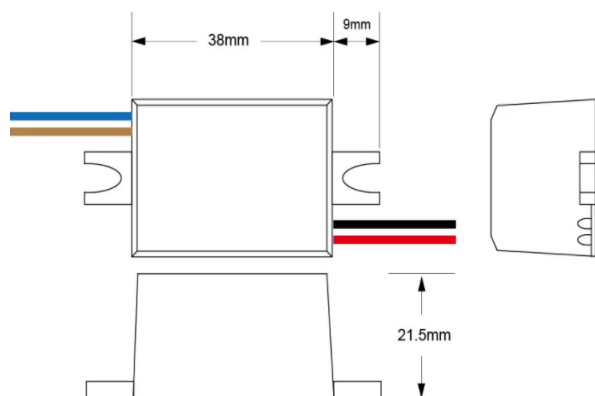
## 产品参数/Specification

Model		LKAD04V	
输入 Input	AC电压范围/AC Voltage range	100-277V	
	频率/Frequency	50/60hz	
	谐波/THD		
	功率因数/Power factor	0.5%/230VAC	
输出 Output	额定电压/Rated voltage	12V	
	空载电压/No-load Voltage	12.7V	
	DC电压范围/DC voltage range	5-12V	
	DC电流范围/DC current range	350mA/340-350MA	
	电流精度/Current precision	(+/-) 3%	
	额定功率/Rated power		
	开机延时/Setup Time	≤0.5s/230VAC	
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	认证编号/Certificate		
其他	尺寸/Size	L87.5*W36.3*H24mm	
	重量/Net weight	69g	

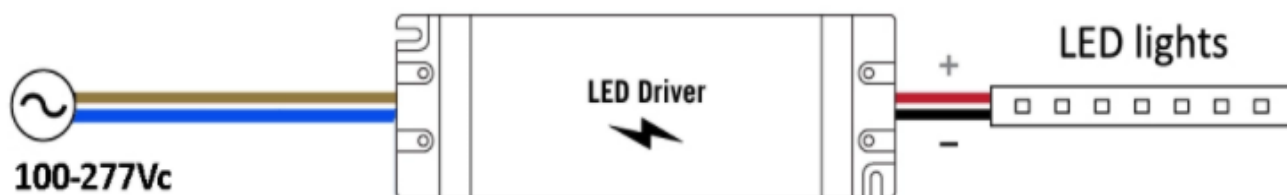
测试数据/Test data

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
100V	85.88	5.72	0.662	12.000	346	4.15	72.6%	
	67.49	4.35	0.639	9.000	351	3.16	72.6%	
	36.82	2.10	0.564	5.000	351	1.76	83.6%	
240V	46.26	5.63	0.510	12.000	352	4.22	75.0%	
	37.23	4.35	0.491	9.000	354	3.19	73.2%	
	24.45	2.59	0.443	5.000	354	1.77	68.3%	
277V	42.28	5.69	0.485	12.000	352	4.22	74.2%	
	34.20	4.42	0.463	9.000	352	3.17	71.7%	
	23.06	2.66	0.415	5.000	353	1.77	66.4%	

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120V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 120VAC input, rated load and 25 of ambient temperature;
- 本驱动电源是作为一个部件与最终的设备结合进行操作的。因为EMC的性能在电源完全安装后会受到影响，因此最终设备制造商在完成安装后必须重新获取EMC指示认定。  
The LED driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

3. 可以直接与LEDs连接，但不适宜与额外的驱动电源使用；

Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.

4. 为了满足在灯具安装中最后的Erp校准要求，本驱动电源只能在一个不是永久地连接在交流干线的开关后面使用。

To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connect to the mains.

## 东莞市领冠半导体照明有限公司

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