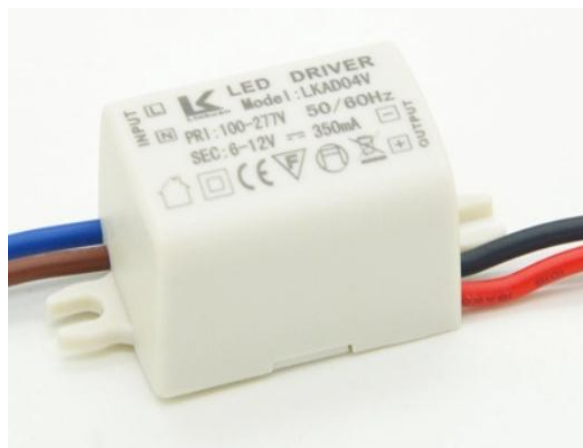


# Dimmable LED Driver—LKAD04V



## —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.



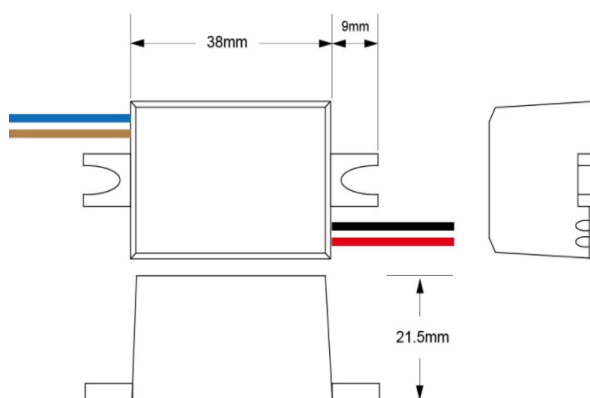
## 产品参数/Specification

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	12V
	DC电压范围/DC voltage range	12V
	DC电流范围/DC current range	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

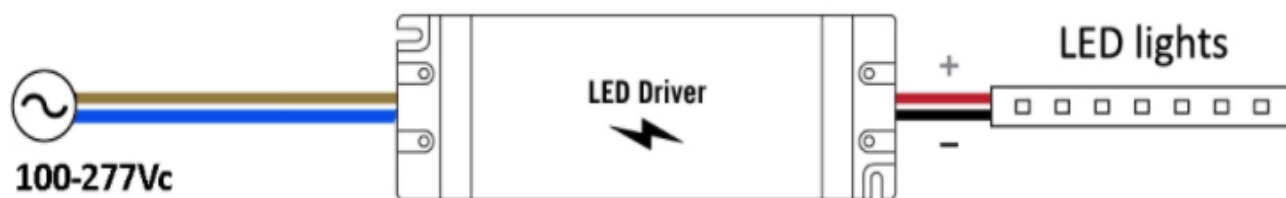
测试数据/Test data

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	90.51	6.11	0.660	12.060	350	4.22	69.1%	
	51.70	3.17	0.601	11.898	200	2.38	75.1%	
	28.40	1.54	0.534	11.836	100	1.18	76.9%	
180V	58.25	5.94	0.552	12.040	350	4.21	70.9%	
	33.52	3.12	0.502	11.900	200	2.38	76.3%	
	19.15	1.58	0.446	11.833	100	1.18	74.9%	
240V	48.52	6.03	0.510	12.040	350	4.21	69.9%	
	28.58	3.19	0.457	11.900	200	2.38	74.6%	
	17.48	1.67	0.932	11.820	100	1.18	70.8%	
277V	44.83	6.07	0.489	12.000	350	4.20	69.2%	
	27.06	3.28	0.436	12.000	200	2.40	73.2%	
	17.23	1.75	0.364	11.820	100	1.18	67.5%	

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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