



# Waterproof LED Drivers—LKAD090P



## —产品特性/Feature—

- 100-277AC (50/60Hz) 输入/ 100-277VAC (50/60Hz) Input;
- 隔离方案/Isolated topology;
- 高效率, 高功率因素, 高压绝缘 4KV, 抗雷击>6KV(可升至 10000V), 稳定性好/ High efficiency and PF,Hipot 4KV, Surge test>6KV (can be up to 10KV), good stability;
- 变压器铜丝F级, 耐高温155℃ (同行120℃) /The copper wire of transformer is Grade F, resist high-temperature 155℃ (usually 120℃);
- 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;
- 独立外置, Class I 恒流类型/ independent, Class I constant current type;
- 防护等级 IP67防水/ degree of protection IP67 waterproof;
- 适用LED户外照明等照明应用/ Used for outdoor LED lighting and so on;
- 3年质保期/ 3 years warranty.



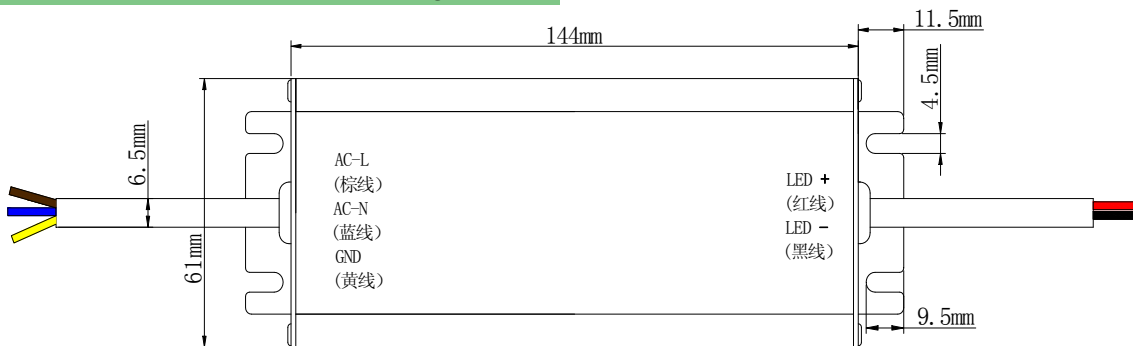
## 产品参数/Specification

Model	LKAD090P	
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	0.94/230VAC
输出 Output	额定电压/Rated voltage	40V
	空载电压/No-load Voltage	45
	DC电压范围/DC voltage range	25-42V
	DC电流范围/DC current range	2660-2720mA
	电流精度/Current precision	(+/-) 3%
	额定功率/Rated power	108W
	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~+65℃/20~95%
	储存温度, 湿度要求 Storage Temp./RH	-40~+80℃/10~95%
安全和电磁兼容 认证标识/Certificate	UL:E478938	
	FCC:EM201500163	
	SAA:SF201501543	
	CCC:2016011002838544	
其他	尺寸/Size	L144+23mm*W61mm*H36mm
	重量/Net weight	---

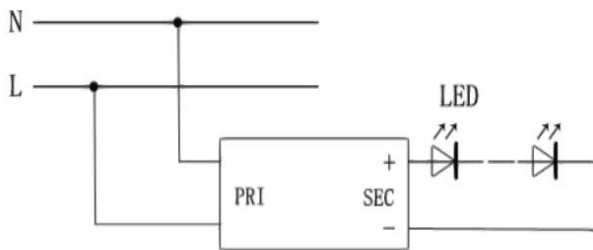
测试数据/Test data

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
100	840.20	81.74	0.985	25.00	2690	67.25	82%	
	1199.00	116.20	0.991	36.00	2686	96.70	83%	
	1402.00	136.20	0.993	42.00	2667	112.01	82%	
120	698.90	81.06	0.978	25.00	2668	66.70	82%	
	988.50	115.50	0.986	36.00	2674	96.26	83%	
	1145.00	133.80	0.989	42.00	2673	112.27	84%	
230	381.20	80.12	0.911	25.00	2685	67.13	84%	
	526.80	114.00	0.938	36.00	2713	97.67	86%	
	605.40	131.60	0.948	42.00	2706	113.65	86%	
277	338.10	80.67	0.862	25.00	2695	67.38	84%	
	456.10	114.00	0.904	36.00	2712	97.63	86%	
	516.60	130.20	0.914	42.00	2676	112.39	86%	

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 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;
- 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.

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