

领冠电源 调光专家 随“芯”所调 客户至上



LED External Driver—LKAD046V



—产品特性/Feature—

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- 200-277VAC(50/60Hz)输入/ 200-277VAC(50/60Hz) Input
- 隔离方案, 不调光/Isolated,non-dimmable driver;
- 高效率、稳定性好/ High efficiency,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;
- 自然风冷/ cooling by free air convection;
- 100%满载老化测试/ 100% full load burn-in test;
- 独立外置, Class II恒压类型/Independent, Class II constant voltage type;
- 防护等级 IP20/ degree of protection IP20;
- 适用于灯条、灯带等照明应用/ Suitable for LED strip lighting and so on;



产品参数/Specification

Model	LKAD046V		
输入 Input	AC电压范围/AC Voltage range	200-277V (恒流)	200-277V (恒压)
	频率/Frequency	50/60hz	
	谐波/THD	≤8%/230VAC	
	功率因数/Power factor	0.99	0.94
输出 Output	额定电压/Rated voltage	11V	12V
	空载电压/No-load Voltage	15V	12.39
	DC电压范围/DC voltage range	7-11V	12V
	DC电流范围/DC current range	4300-4400mA	2000-4000mA
	额定功率/Rated power	40W	48W
	输入纹波/Output ripple	<200mV	
	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℃/20~95%	
	储存温度,湿度要求 Storage Temp./RH	-40~+80℃/10~95%	
安全和电磁兼容	认证编号/Certificate	IEC61347-2-13 EN6147-2-13	
		EN55015	
其他	尺寸/Size		
	重量/Net weight	/	

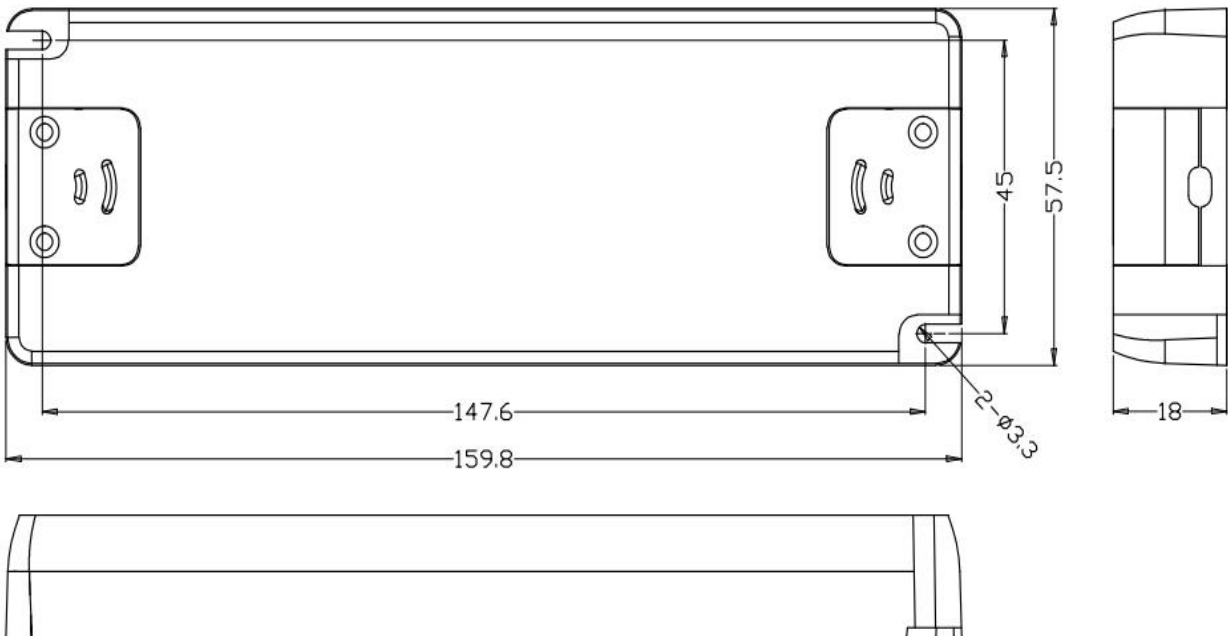
恒流测试数据/Test data

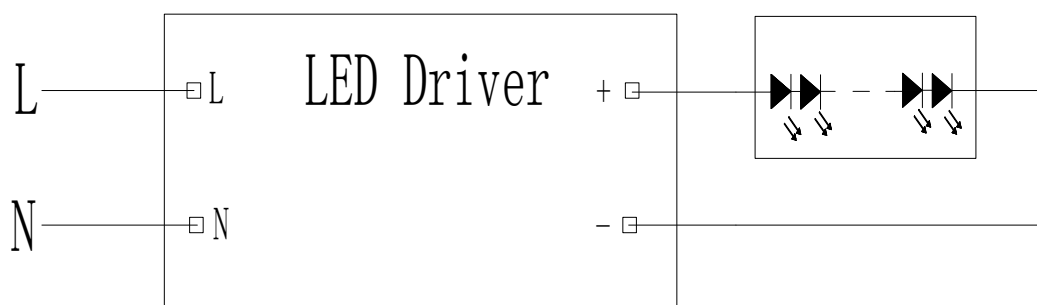
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)
220V	189.100	41.29	0.988	7.00	4488	31.42	76.09%
	223.400	48.89	0.990	9.00	4442	39.98	81.77%
	265.500	58.14	0.991	11.00	4400	48.40	83.25%
240V	172.900	41.24	0.983	7.00	4490	31.43	76.21%
	202.500	48.50	0.987	9.00	4448	40.03	82.54%
	240.100	57.70	0.990	11.00	4398	48.38	83.84%
265V	157.800	40.97	0.974	7.00	4477	31.34	76.50%
	183.800	48.19	0.983	9.00	4436	39.92	82.85%
	218.100	57.45	0.987	11.00	4396	48.36	84.18%

恒压测试数据/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 (%)
220	3.860	0.26	0.203	12.39	0.00	0.00	0.00%
	184.600	29.19	0.979	12.31	2000.00	24.62	84.34%
	258.700	56.68	0.990	12.15	4000.00	48.60	85.74%
230	4.040	0.29	0.296	12.38	0.00	0.00	0.00%
	123.700	28.85	0.963	12.10	2000.00	24.20	83.88%
	235.100	56.28	0.990	12.15	4000.00	48.60	86.35%
265	4.180	0.32	0.262	12.39	0.00	0.00	0.00%
	116.500	28.80	0.948	12.31	2000.00	24.62	85.49%
	218.200	56.26	0.957	12.15	4000.00	48.60	86.39%

产品尺寸图/ Product Size Diagram





DIMMER为0-10V输入，蓝色线接调光正极，绿色线接调光负极。
红色线接负载正极，黑色线接负载负极。

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°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. 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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