

# Dimmable LED Driver—LKAD045D

## —产品特性/Feature—



- 90-132VAC (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 and PF, good stability;
- 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 IP67 / degree of protection IP67;
- 通过UL和FCC认证 / UL and FCC certification passed;
- 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.



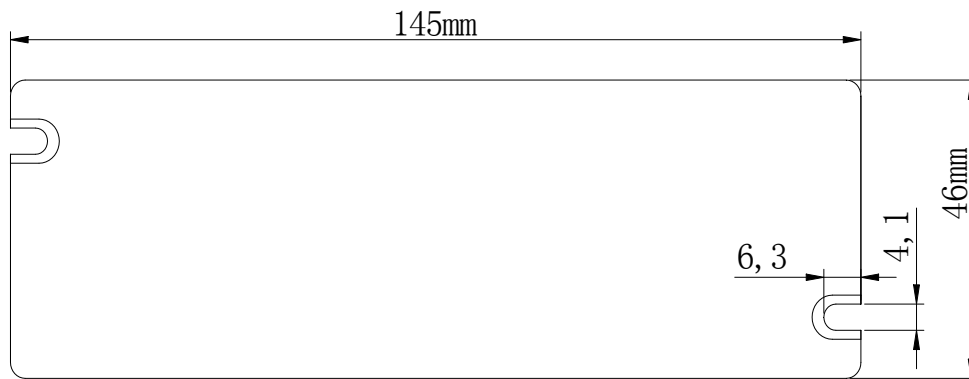
## 产品参数/Specification

Model		LKAD045D	
输入 Input	AC电压范围/AC Voltage range	90-132V	
	频率/Frequency	50/60hz	
	谐波/THD		
	功率因数/Power factor	0.99/110VAC	
输出 Output	额定电压/Rated voltage	42V	
	空载电压/No-load Voltage	45V	
	DC电压范围/DC voltage range	36-42V	
	DC电流范围/DC current range	1450-1530mA	
	电流精度/Current precision	(+/-)3%	
	额定功率/Rated power	63W	
	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 容	认证编号/Certificate	UL:E478938	
		FCC:WTD14S1120212E	
其他	尺寸/Size	L145mm * W46mm * H32mm	
	重量/Net weight	---	

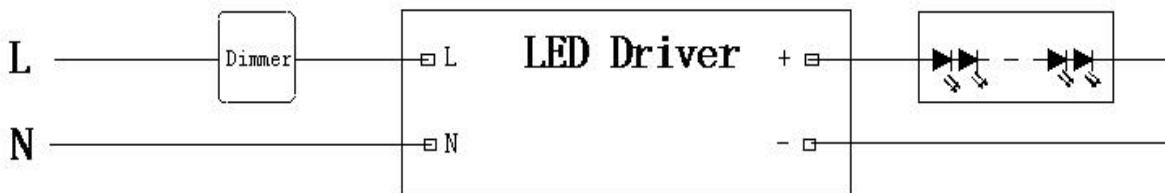
测试数据/Test data

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
90	753.70	66.61	0.995	36.00	1513	54.47	81.8%	
	853.80	74.91	0.990	42.00	1451	60.94	81.4%	
110	594.80	64.37	0.996	36.00	1508	54.29	84.3%	
	686.60	74.18	0.996	42.00	1483	62.29	84.0%	
132	499.60	64.25	0.990	36.00	1521	54.76	85.2%	
	572.00	73.48	0.990	42.00	1488	62.50	85.1%	

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120V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 120VAC 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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