

—产品特性/Feature—

- 208-240VAC (50/60Hz) 输入 / 208-240VAC (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;
- 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;
- 通过CE认证 / CE approved;
- 独立外置, Class II 恒流类型 / independent, Class II constant current type;
- 防护等级 IP20 / degree of protection IP20;
- 适用于面板灯/天花板/筒灯等照明应用 / suitable for LED lighting, ceiling light, down light and panel light;



产品参数/Specification

| Model | LKAD049DC100042 | |
|-------------------------------------|---------------------------------|---------------------------|
| 输入 Input | AC电压范围/AC Voltage range | 208-265V |
| | 频率/Frequency | 50/60hz |
| | 谐波/THD | |
| | 功率因数/Power factor | 0.95/230VAC |
| 输出 Output | 额定电压/Rated voltage | 40 |
| | 空载电压/No-load Voltage | 48V |
| | DC电压范围/DC voltage range | 25-42 |
| | DC电流范围/DC current range | 700-1000mA |
| | 电流精度/Current precision | (+/-) 3% |
| | 额定功率/Rated power | 40W |
| | 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 | IEC61347-2-13 EN6147-2-13 |
| | | EMC EN55015 |
| 其他 | 尺寸/Size | L155mmxW45mmxH29mm |
| | 重量/Net weight | 120g |

测试数据/Test data

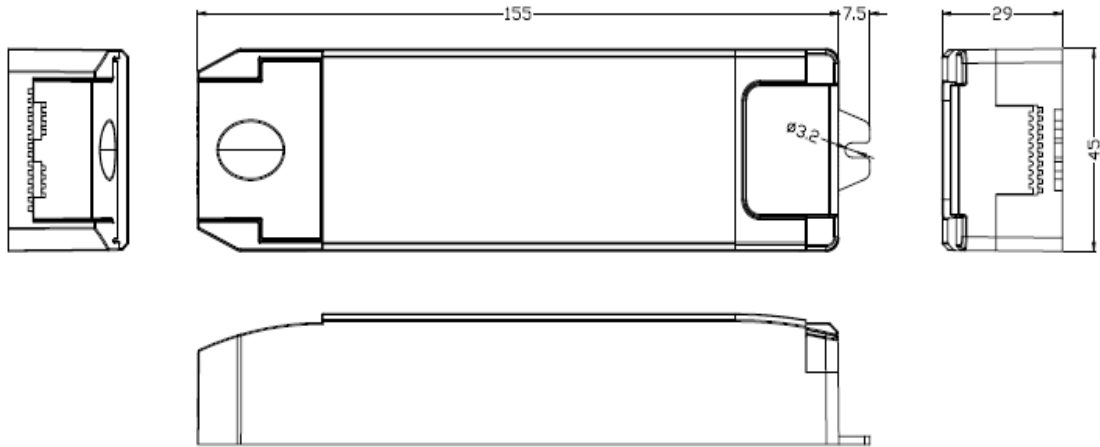
| 输入电压 Input voltage (Vac) | 输入电流 Input current (mA) | 输入功率 Input power (W) | 功率因数 PF | 输出电压 Output voltage (Vdc) | 输出电流 Output current (mA) | 输出功率 Output Power (W) | 转换效率 Efficiency (%) | 谐波系数 THD |
|---------------------------------|--------------------------------|-----------------------------|------------|-------------------------------------|---------------------------------|-------------------------------|---------------------------|-------------|
| 208 | 140.00 | 29.00 | 0.99 | 25.00 | 1000 | 25.00 | 86.2% | |
| | 226.00 | 45.70 | 0.99 | 40.00 | 987 | 39.48 | 86.4% | |
| | 236.00 | 48.00 | 0.99 | 42.00 | 985 | 41.37 | 86.2% | |
| 240 | 124.000 | 29.38 | 0.980 | 25.00 | 1016 | 25.40 | 86.5% | |
| | 197.000 | 45.60 | 0.970 | 40.00 | 1000 | 40.00 | 87.7% | |
| | 204.000 | 47.80 | 0.978 | 42.00 | 1000 | 42.00 | 87.9% | |
| 265 | 114.000 | 29.62 | 0.976 | 25.00 | 1020 | 25.50 | 86.1% | |
| | 192.000 | 45.61 | 0.980 | 40.00 | 1000 | 40.00 | 87.7% | |
| | 184.000 | 47.86 | 0.975 | 42.00 | 1000 | 42.00 | 87.8% | |

调光测试效果Dimming effect

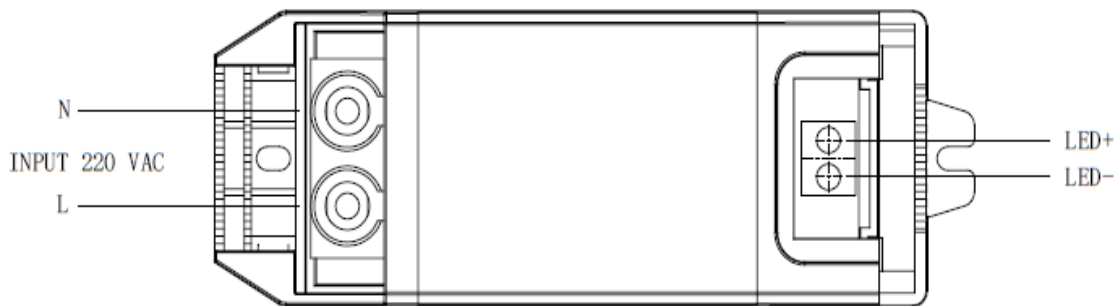
(负载14串40V测试/Test load 14S-voltage 40V)

| 编号 NO | 调光器型号 Dimmer NO | 输入功率 Input Power | 输出电压 Output Voltage | 最小电流 Min current(mA) | 最大电流 Max current(mA) | 调光比 Dimming ratio | 效果 Conclusion | |
|----------|--------------------|------------------------|---------------------------|----------------------------|----------------------------|-------------------------|------------------|---------------------|
| | | | | | | | 调光 Dimming | 无频闪 Ripple |
| 1 | SHYUSC | 45.62 | 40.50 | 21.00 | 1000 | 2.10% | OK | <3% flicker free |
| 2 | T&J25-1000W | 45.40 | 40.49 | 25.00 | 998 | 2.51% | OK | <3% flicker free |
| 3 | T&J25-630W | 45.46 | 40.52 | 20.00 | 987 | 2.03% | OK | <3% flicker free |
| 4 | LE1MOVE LMG-630V | 45.61 | 40.50 | 30.00 | 995 | 3.02% | OK | <3% flicker free |
| 5 | KEEY 220V | 45.38 | 40.52 | 15.00 | 1002 | 1.50% | OK | <3% flicker free |
| 6 | 美的 630W | 45.40 | 40.50 | 18.00 | 992 | 1.81% | OK | <3% flicker free |
| 7 | 业电500W | 45.39 | 40.51 | 30.00 | 996 | 3.01% | OK | <3% flicker free |
| 8 | TENGEN | 45.27 | 40.48 | 20.00 | 997 | 2.01% | OK | <3% flicker free |
| 9 | C12PSAL 500VA | 45.45 | 40.50 | 25.00 | 995 | 2.51% | OK | <3% flicker free |
| 10 | Snaider 450W | 45.60 | 40.50 | 20.00 | 1008 | 1.98% | OK | <3% flicker free |
| 11 | 威斯堡电气 | 45.70 | 40.42 | 20.00 | 997 | 2.01% | OK | <3% flicker free |
| 12 | 飞雕 300W | 45.40 | 40.48 | 25.00 | 989 | 2.53% | OK | <3% flicker free |

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;
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

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