

—产品特性/Feature—

- 200-240VAC (50/60Hz) 输入 / 200-240VAC (50/60Hz) Input
- 隔离高PF无频闪方案, 2.4G射频遥控控制。
Isolated high PF no stroboscopic scheme, 2.4G RF remote control
- 高效率、高功率因素, 高稳定性, 高调光比
High efficiency, high power factor, high stability, high light ratio
- 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;
- 遥控控制性能稳定, 任何角度方向都可以控制。控制距离在空旷场地可以达35米, 在有障碍物的地方可以达到15-20米。
Remote control performance is stable, any angle direction can be controlled. The control distance can be up to 35 meters in open field and 15-20 meters in places with obstacles.
- 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;
- 采用自主知识产权单片机控制方案, 可以做到0.1%调光解晰度 / By adopting the control scheme of single chip microcomputer with independent intellectual property rights, 0.1% dimming resolution can be



产品参数/Specification

| Model | | LKAD055D-A | 备注 |
|--------------|------------------------------------|--------------|----|
| 输入 Input | 输入电压范围/Input Voltage range | 200-240V | |
| | 频率/Frequency | 50/60hz | |
| | 谐波/THD | ≤15% | |
| | 功率因数/Power factor | 0.95/240VAC | |
| | 输入电流 Input current (mA) | 360MA | |
| | 待机功耗 stand_by power | ≅0.8W | |
| | 浪涌电流 Inrush Current (Max.) | ≤30A@230VAC | |
| | 漏电流 Leakage Current | <1MA/240V | |
| 输出 Output | 额定电压/Rated voltage | 40V | |
| | 空载电压/No-load Voltage | ≅46V | |
| | 工作电压范围/working voltage | 10-40V | |
| | 额定电流规格/Rated current specification | 1600MA | |
| | 电流精度/Current precision | (+/-)3% | |
| | 额定功率/Rated power | 64W | |
| | 开机延时/Setup Time | ≤0.5s/230VAC | |
| | 输出线性调整率Output Line Regulation | ±5% | |
| | 温度漂移temperature drift | ±10% | |

| | | | |
|---|---|---|--|
| 保护特性 | 开路保护Output open circuit p | 有/Enable | |
| | 短路保护Short Circuit Protect | 打嗝模式/Hiccup mode | |
| 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 Safety & EMC | 认证编号/Certificate | 符合CE/ meet CE | |
| | 耐压 withstand voltage | 3750Vac/60S | |
| | 绝缘阻抗insulation resistance | 500V>100M | |
| | 浪涌等级EMS immunity | IEC6100-4-5 (L-N:1KV) | |
| | 安规标准Safety standard | EN61347, GB19510 | |
| | 电磁干扰electromagnetic inter | EN55015, EN61000-3-2 | |
| | 电磁抗干扰Electromagnetic Sus | EN61000-4-2. 3. 4. 5. 6. 8. 11. EN61547 | |
| 其他 Others | IP等级说明 IP level descripti | IP20 | |
| | 质保说明Warranty instructions | 3年/3 years | |
| | 尺寸/Size | 115*45*25MM | |
| | 重量/Netweight | 100g | |
| 注意事项 matters needing attention | <p>1. 建议客户在灯具供电回路中安装过欠压保护与浪涌保护装置, 以确保用电安全 1. pls suggest the client to instal the unde voltage protection device and surge protection device to ensure Electricity safety</p> <p>2. 电源作为整灯灯具中的一个零部件与终端设备结合使用, 因EMC性能受LED灯具及走线的影响, 终端设备制造商需对整套装置重新进行EMC确认。 2. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p> <p>3. 客户在使用电源时, 注意电源通风散热和环境温度, 超过TA时要做降额使用 3. Becareful of ambient temperature and heat dissipation during the client use this unit, When exceeding TA, the power supply shall be derated</p> | | |

W-通道测试数据/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 (%) |
|---------------------------------|--------------------------------|-----------------------------|------------|-------------------------------------|------------------------------------|-------------------------------|---------------------------|
| 200V | 351.40 | 70.28 | 0.986 | 40.00 | 1561 | 62.44 | 88.8% |
| | 264.80 | 52.68 | 0.976 | 30.00 | 1548 | 46.44 | 88.2% |
| | 183.50 | 35.88 | 0.966 | 20.00 | 1548 | 30.96 | 86.3% |
| | 104.20 | 19.27 | 0.909 | 10.00 | 1556 | 15.56 | 80.7% |
| 240V | 296.20 | 69.56 | 0.976 | 40.00 | 1549 | 61.96 | 89.1% |
| | 225.80 | 52.44 | 0.964 | 30.00 | 1540 | 46.20 | 88.1% |
| | 158.70 | 35.87 | 0.938 | 20.00 | 1543 | 30.86 | 86.0% |
| | 94.28 | 19.37 | 0.852 | 10.00 | 1551 | 15.51 | 80.1% |

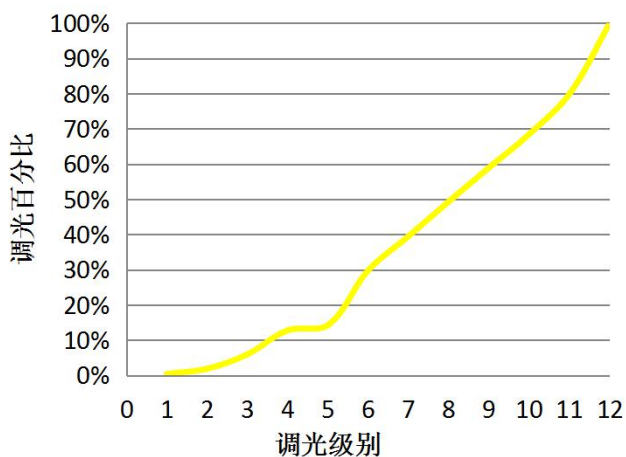
C-通道测试数据/Test data

| 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 | 输出电流 Output current | 输出功率 Output Power (W) | 转换效率 Efficiency (%) |
|---------------------------------|--------------------------------|-----------------------------|------------|---------------------------|---------------------------|-------------------------------|---------------------------|
| 200V | 351.40 | 70.28 | 0.986 | 40.00 | 1561 | 62.44 | 88.8% |
| | 264.80 | 52.68 | 0.976 | 30.00 | 1548 | 46.44 | 88.2% |
| | 183.50 | 35.88 | 0.966 | 20.00 | 1548 | 30.96 | 86.3% |
| | 104.20 | 19.27 | 0.909 | 10.00 | 1556 | 15.56 | 80.7% |
| 240V | 296.20 | 69.56 | 0.976 | 40.00 | 1549 | 61.96 | 89.1% |
| | 225.80 | 52.44 | 0.964 | 30.00 | 1540 | 46.20 | 88.1% |
| | 158.70 | 35.87 | 0.938 | 20.00 | 1543 | 30.86 | 86.0% |
| | 94.28 | 19.37 | 0.852 | 10.00 | 1551 | 15.51 | 80.1% |

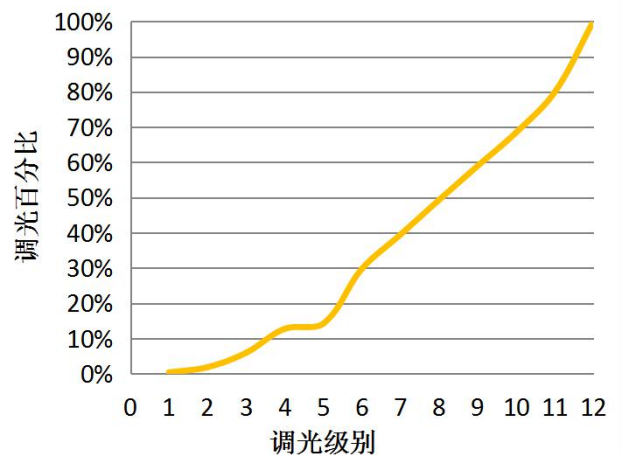
调光测试数据Dimming test data

| C-通道输入电 压 Input voltage (Vac) | C-通道输出电 压 Output voltage | C-通道输出电 流 Output current (mA) | C-通道百 分比 | W-通道输入电 压 Input voltage | W-通道输出电 压 Output voltage | W-通道输出电 流 Output | W-通道百分 比 | 调光级别 Level |
|--------------------------------------|--------------------------------|--------------------------------------|-------------|-------------------------------|--------------------------------|---------------------|-------------|---------------|
| 240V | 40.00 | 6.00 | 0.39% | 240V | 40.00 | 6.00 | 0.39% | 1 |
| 240V | 40.00 | 29.00 | 1.88% | 240V | 40.00 | 29.00 | 1.88% | 2 |
| 240V | 40.00 | 92.00 | 5.95% | 240V | 40.00 | 92.00 | 5.95% | 3 |
| 240V | 40.00 | 197.00 | 12.75% | 240V | 40.00 | 197.00 | 12.75% | 4 |
| 240V | 40.00 | 220.00 | 14.24% | 240V | 40.00 | 220.00 | 14.24% | 5 |
| 240V | 40.00 | 460.00 | 29.77% | 240V | 40.00 | 460.00 | 29.77% | 6 |
| 240V | 40.00 | 610.00 | 39.48% | 240V | 40.00 | 610.00 | 39.48% | 7 |
| 240V | 40.00 | 762.00 | 49.32% | 240V | 40.00 | 762.00 | 49.32% | 8 |
| 240V | 40.00 | 911.00 | 58.96% | 240V | 40.00 | 911.00 | 58.96% | 9 |
| 240V | 40.00 | 1058.00 | 68.48% | 240V | 40.00 | 1058.00 | 68.48% | 10 |
| 240V | 40.00 | 1235.00 | 79.94% | 240V | 40.00 | 1235.00 | 79.94% | 11 |
| 240V | 40.00 | 1545.00 | 100.00% | 240V | 40.00 | 1545.00 | 100.00% | 12 |

C-通道调光曲线
C channel Dimming Curve Graph

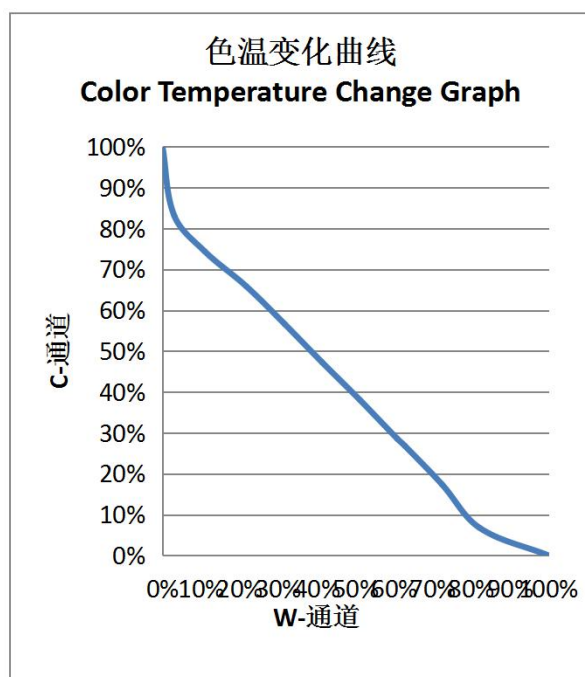


W-通道调光曲线
W channel Dimming Curve Graph

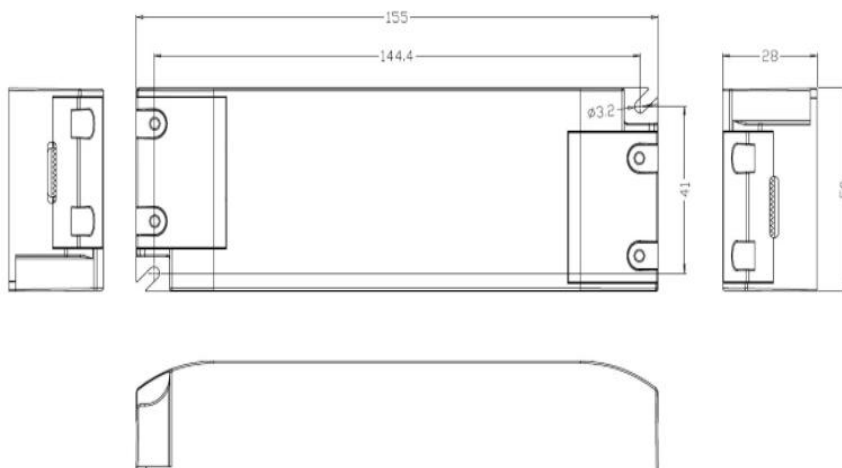


调色测试数据Dimming test data

| C-通道输入电压 Input voltage (Vac) | C-通道输出电压 Output voltage (Vdc) | C-通道输出电流 Output current (mA) | C-通道百分比 | W-通道输入电压 Input voltage (Vac) | W-通道输出电压 Output voltage (Vdc) | W-通道输出电流 Output current (mA) | W-通道百分比 |
|----------------------------------|-----------------------------------|----------------------------------|---------|----------------------------------|-----------------------------------|----------------------------------|---------|
| 240V | 40.00 | 0.00 | 0.00% | 240V | 40.00 | 1542.00 | 100.00% |
| 240V | 40.00 | 103.00 | 6.82% | 240V | 40.00 | 1265.00 | 82.04% |
| 240V | 40.00 | 263.00 | 17.42% | 240V | 40.00 | 1116.00 | 72.37% |
| 240V | 40.00 | 405.00 | 26.82% | 240V | 40.00 | 968.00 | 62.78% |
| 240V | 40.00 | 432.00 | 28.61% | 240V | 40.00 | 937.00 | 60.77% |
| 240V | 40.00 | 575.00 | 38.08% | 240V | 40.00 | 788.00 | 51.10% |
| 240V | 40.00 | 714.00 | 47.28% | 240V | 40.00 | 637.00 | 41.31% |
| 240V | 40.00 | 855.00 | 56.62% | 240V | 40.00 | 488.00 | 31.65% |
| 240V | 40.00 | 995.00 | 65.89% | 240V | 40.00 | 334.00 | 21.66% |
| 240V | 40.00 | 1124.00 | 74.44% | 240V | 40.00 | 168.00 | 10.89% |
| 240V | 40.00 | 1255.00 | 83.11% | 240V | 40.00 | 47.00 | 3.05% |
| 240V | 40.00 | 1510.00 | 100.00% | 240V | 40.00 | 0.00 | 0.00% |



产品尺寸图/ Product Size 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°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.注意接线的方向，不要搞反输入和输出端，以及拨码开关的位置。
Pay attention to the direction of wiring, do not reverse the input and output terminals, and the position of the dip switch."

广东领冠智能科技有限公司

Guangdong Linkuan Smart Tech Co.,Ltd.

地 址：广东省东莞市万江区大莲塘工业区3号
Address: NO.3 Building, Daliantang Industrial Park,
Wanjiang
District,Dongguan,Guangdong,China
Tel:+86-769-23129651 Fax:+86-23129652

| LED驱动型号:LKAD055D-A | | 输入电压/频率：220V | | | | | | 起始时间： | |
|---------------------|-----------|---------------------|---------------------|---------------------------|-----|-------|-------|-------|----------------|
| 测试参数:40V 1550MA | | 起始参数 | | PF: 输出电压/电流： | | | | 效率： | |
| NO | 环境 | 时间 | 1小时 | 2小时 | 3小时 | 4小时 | 5小时 | 6小时 | 备注 |
| | 位置 | 电压 | AC: 220V/60HZ TA:45 | | | | | | (无灌胶) |
| 1 | 恒温 45度 | NO.1 变压器 40V 400UH | | 101 | | 101 | 102.6 | 102.7 | 变压器, IC贴硅胶片 |
| | | NO.2 MOS 士兰微10N65 | | 107.9 | | 106.8 | 107.7 | 107.8 | |
| | | NO.3 肖特基 MUR1640 | | 111.5 | | 109.1 | 109.6 | 109.7 | |
| | | NO.4 KBP310 | | 47.9 | | 48 | 48.4 | 48.8 | |
| | | NO.5 IC | | 101 | | 101 | 101.5 | 101.7 | |
| | | NO.6 电解电容 50V 470UF | | 95.6 | | 97.9 | 98.2 | 98.4 | |
| | | NO.7 L7 电感160UH | | 78 | | 87.5 | 88 | 88.2 | |
| LED驱动型号: LKAD055D-A | | 输入电压/频率：220VF | | | | | | 起始时间： | |
| 测试参数:40V 1550MA | | 起始参数 | | PF:0.98输出电压/电流：40V 1550MA | | | | 效率： | |
| NO | 环境 | 时间 | 1小时 | 2小时 | 3小时 | 4小时 | 5小时 | 6小时 | 备注 |
| | 位置 | 电压 | AC: 230V/50HZ TA:45 | | | | | | (灌胶情况) |
| 2 | 恒温 45度 | NO.1 变压器 40V 400UH | | 82.2 | | 85.7 | 85.7 | 85.5 | 变压器, ic灌胶 |
| | | NO.2 MOS 士兰微10N65 | | 78.7 | | 81.7 | 81.8 | 81.6 | |
| | | NO.3 肖特基 MUR1640 | | 83.52 | | 86 | 86.1 | 85.9 | |
| | | NO.4 KBP310 | | 45.9 | | 45.9 | 46 | 45.8 | |
| | | NO.5 IC | | 89.5 | | 91.9 | 91.9 | 91.7 | |
| | | NO.6 电解电容 50V 470UF | | 81.4 | | 84.3 | 84.32 | 84.1 | |
| | | NO.7 L7 电感160UH | | 75.2 | | 77.6 | 77.8 | 77.3 | |