

—产品特性/Feature—



- 120-240VAC (50/60Hz) 输入 / 120-240VAC (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 achieved
- lighting, ceiling light, down light and panel light;
- 3年质保期 / 3 years warranty.



产品参数/Specification

| Model | | LKAD041D-A | 备注 |
|--------------|------------------------------------|--------------|----|
| 输入 Input | 输入电压范围/Input Voltage range | 120-240V | |
| | 频率/Frequency | 50/60hz | |
| | 谐波/THD | ≤10% | |
| | 功率因数/Power factor | 0.95/240VAC | |
| | 输入电流 Input current (mA) | 450MA/120VAC | |
| | 待机功耗 stand_by power | ≤0.8W | |
| | 浪涌电流 Inrush Current (Max.) | ≤30A@240VAC | |
| | 漏电流 Leakage Current | <1MA/240VAC | |
| 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 range | 10-42V | |
| | 额定电流规格/Rated current specification | 1000MA | |
| | 电流精度/Current precision | (+/-)3% | |
| | 额定功率/Rated power | 40W | |
| | 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 protection | 有/Enable | |
| | 短路保护Short Circuit Protection | 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℃/20~95% | |
| | 储存温度,湿度要求 Storage Temp./RH | -40~+80℃/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 interference | EN55015, EN61000-3-2 | |
| | 电磁抗干扰Electromagnetic Susceptibility | EN61000-4-2. 3. 4. 5. 6. 8. 11. EN61547 | |
| 其他 Others | IP等级说明 IP level description | IP20 | |
| | 质保说明Warranty instructions | 3年/3 years | |
| | 尺寸/Size | 135*45*25MM | |
| | 重量/Netweight | | |
| 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. Be careful of ambient temperature and heat dissipation during the client use this</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 (%) |
|--------------------------------|-------------------------------|----------------------------|------------|---------------------------------|--------------------------------|-----------------------------|---------------------------|
| 120V | 405.30 | 47.61 | 0.990 | 40.00 | 978 | 39.12 | 82.2% |
| | 300.20 | 35.30 | 0.997 | 30.00 | 976 | 29.28 | 82.9% |
| | 202.50 | 23.79 | 0.996 | 20.00 | 980 | 19.60 | 82.4% |
| | 108.50 | 12.62 | 0.990 | 10.00 | 988 | 9.88 | 78.3% |
| 200V | 223.40 | 45.20 | 0.993 | 40.00 | 981 | 39.24 | 86.8% |
| | 169.50 | 33.89 | 0.986 | 30.00 | 977 | 29.31 | 86.5% |
| | 117.20 | 23.21 | 0.977 | 20.00 | 981 | 19.62 | 84.5% |
| | 66.01 | 12.57 | 0.940 | 10.00 | 988 | 9.88 | 78.6% |
| 240V | 188.70 | 44.85 | 0.987 | 40.00 | 983 | 39.32 | 87.7% |
| | 143.80 | 33.91 | 0.979 | 30.00 | 979 | 29.37 | 86.6% |
| | 100.60 | 23.26 | 0.960 | 20.00 | 982 | 19.64 | 84.4% |
| | 58.79 | 12.65 | 0.893 | 10.00 | 988 | 9.88 | 78.1% |

C-通道测试数据/Test data

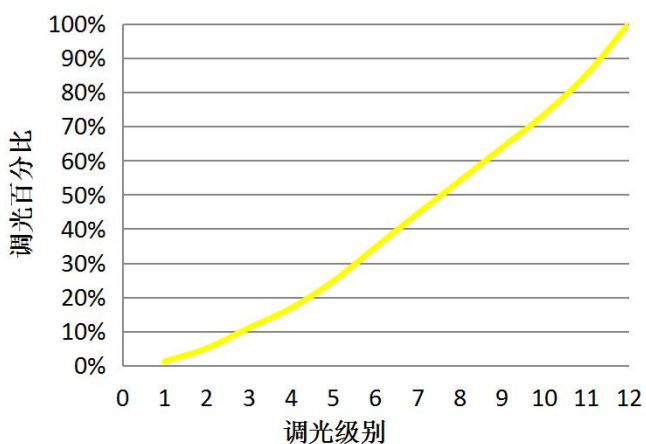
| 输入电压 Input voltage (Vac) | 输入电流 Input current (mA) | 输入功率 Input power (W) | 功率因数 PF | 输出电压 Output voltage | 输出电流 Output current | 输出功率 Output Power | 转换效率 Efficiency (%) |
|---------------------------------|--------------------------------|-----------------------------|---------|---------------------------|---------------------------|-------------------------|---------------------------|
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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 current | W-通道百分 比 | 调光级别 Level |
|--------------------------------------|--------------------------------|--------------------------------------|-------------|-------------------------------|--------------------------------|--------------------------------|-------------|---------------|
| 240V | 40.00 | 11.00 | 1.13% | 240V | 40.00 | 11.00 | 1.13% | 1 |
| 240V | 40.00 | 49.00 | 5.02% | 240V | 40.00 | 49.00 | 5.02% | 2 |
| 240V | 40.00 | 107.00 | 10.95% | 240V | 40.00 | 107.00 | 10.95% | 3 |
| 240V | 40.00 | 164.00 | 16.79% | 240V | 40.00 | 164.00 | 16.79% | 4 |
| 240V | 40.00 | 241.00 | 24.67% | 240V | 40.00 | 241.00 | 24.67% | 5 |
| 240V | 40.00 | 338.00 | 34.60% | 240V | 40.00 | 338.00 | 34.60% | 6 |
| 240V | 40.00 | 434.00 | 44.42% | 240V | 40.00 | 434.00 | 44.42% | 7 |
| 240V | 40.00 | 528.00 | 54.04% | 240V | 40.00 | 528.00 | 54.04% | 8 |
| 240V | 40.00 | 623.00 | 63.77% | 240V | 40.00 | 623.00 | 63.77% | 9 |
| 240V | 40.00 | 718.00 | 73.49% | 240V | 40.00 | 718.00 | 73.49% | 10 |
| 240V | 40.00 | 832.00 | 85.16% | 240V | 40.00 | 832.00 | 85.16% | 11 |
| 240V | 40.00 | 977.00 | 100.00% | 240V | 40.00 | 977.00 | 100.00% | 12 |

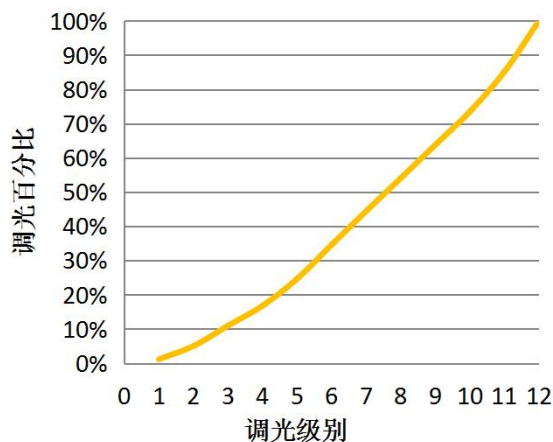
C-通道调光曲线

C channel Dimming Curve Graph



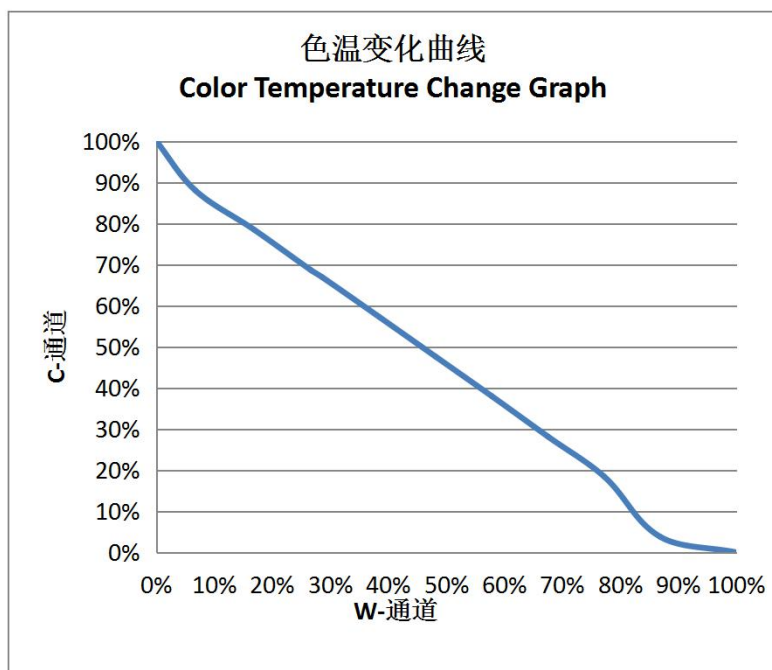
W-通道调光曲线

W channel Dimming Curve Graph

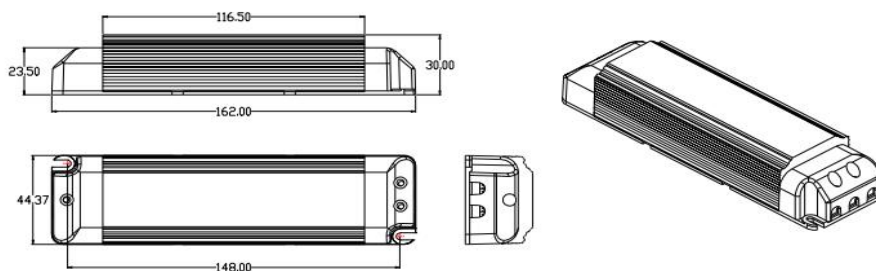


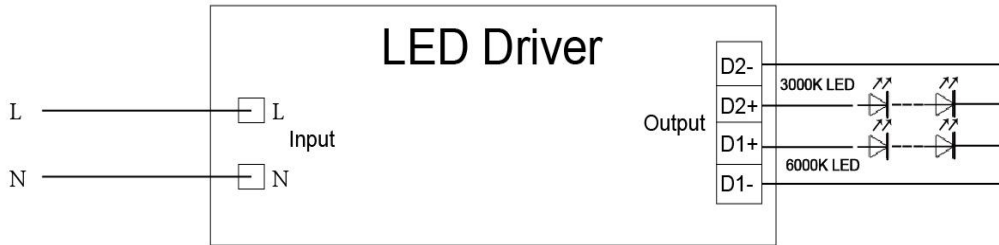
调色测试数据 Dimming test data

| 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 | 979.00 | 100.00% |
| 240V | 40.00 | 35.00 | 3.75% | 240V | 40.00 | 851.00 | 86.93% |
| 240V | 40.00 | 172.00 | 18.42% | 240V | 40.00 | 756.00 | 77.22% |
| 240V | 40.00 | 263.00 | 28.16% | 240V | 40.00 | 661.00 | 67.52% |
| 240V | 40.00 | 355.00 | 38.01% | 240V | 40.00 | 566.00 | 57.81% |
| 240V | 40.00 | 445.00 | 47.64% | 240V | 40.00 | 471.00 | 48.11% |
| 240V | 40.00 | 535.00 | 57.28% | 240V | 40.00 | 376.00 | 38.41% |
| 240V | 40.00 | 625.00 | 66.92% | 240V | 40.00 | 280.00 | 28.60% |
| 240V | 40.00 | 642.00 | 68.74% | 240V | 40.00 | 260.00 | 26.56% |
| 240V | 40.00 | 733.00 | 78.48% | 240V | 40.00 | 165.00 | 16.85% |
| 240V | 40.00 | 822.00 | 88.01% | 240V | 40.00 | 66.00 | 6.74% |
| 240V | 40.00 | 934.00 | 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
Pay attention to the direction of wiring, do not reverse the input and output terminals, .

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