



領冠電源

# 0V Dimmable LED Drivers—LKAD064D

## —产品特性/Feature—



- 100-277VAC (50/60Hz) 输入 / 100-277VAC (50/60Hz) Input
- 隔离高PF无频闪方案，。采用最新的调光信号与主输出的隔离调光认证方案 No stroboscopic scheme for high PF isolation, . Using the latest dimming signal and main output isolation dimming certification scheme
- 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;
- 独立外置, Class II 恒流类型 / independent, Class II constant current type;
- 防护等级 IP65 / degree of protection IP65;
- 实现了真正的0-10V调光, 全程无频闪, 兼容市场上所有的调光控制系统。 It realizes true 0-10V dimming, no flicker in the whole process, and is compatible with all dimming control systems in the market.
- 3年质保期 / 3 years warranty.



## 产品参数/Specification

| Model        |                            | LKAD064D-C   | 备注 |
|--------------|----------------------------|--------------|----|
| 输入<br>Input  | 输入电压范围/Input Voltage       | 100-277V     |    |
|              | 频率/Frequency               | 50/60hz      |    |
|              | 谐波/THD                     | ≤10%/230VAC  |    |
|              | 功率因数/Power factor          | 0.95/230VAC  |    |
|              | 输入电流 Input current (mA)    | 600MA        |    |
|              | 待机功耗 stand_by power        | ≤0.8W        |    |
|              | 浪涌电流 Inrush Current (mA)   | ≤30A@230VAC  |    |
|              | 漏电流 Leakage Current        | <1MA/240V    |    |
| 输出<br>Output | 额定电压/Rated voltage         | 55V          |    |
|              | 空载电压/No-load Voltage       | 55V          |    |
|              | 工作电压范围/working voltage     | 22-55V       |    |
|              | 可选择电流规格/selectable current | 650-1100MA   |    |
|              | 电流精度/Current precision     | (+/-) 3%     |    |
|              | 额定功率/Rated power           | 60W          |    |
|              | 开机延时/Setup Time            | ≤0.5s/230VAC |    |
|              | 输出线性调整率Output Linearity    | ±5%          |    |
|              | 温度漂移temperature drift      | ±10%         |    |

|   |  |                           |  |
|---|--|---------------------------|--|
| 保护特性                                    | 开路保护Output open circu  | 有/Enable                  |  |
|   | 短路保护Short Circuit Pro  | 打嗝模式/Hiccup mode          |  |
| 使用环境<br>Environment<br>Requirement      | 工作温度/湿度要求<br>Operating Temp./RH  | -30~+45℃/20~95%           |  |
|   | 储存温度,湿度要求<br>Storage Temp./RH  | -40~+80℃/10~95%           |  |
| 安全和电磁<br>兼容<br>Safety &<br>EMC          | 认证编号/Certificate   | 符合CE/ meet CE             |  |
|   | 耐压 withstand voltage   | 3750VAC/60S               |  |
|   | 绝缘阻抗insulation resist  | 500V>100M                 |  |
|   | 浪涌等级EMS immunity   | IEC6100-4-5 (L-N:1KV)     |  |
|   | 安规标准Safety standard  | IEC61347-2-13 EN6147-2-13 |  |
|   | 电磁干扰electromagnetic i  | Fcc Part15B               |  |
|   | 电磁抗干扰Electromagnetic   | Fcc Part15B               |  |
| 其他<br>Others                            | IP等级说明 IP level descr  | IP65                      |  |
|   | 质保说明Warranty instruct  | 3年/3 years                |  |
|   | 尺寸/Size  | 138*44*26                 |  |
|   | 重量/Netweight   | 100g                      |  |
| 注意事项<br>matters<br>needing<br>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<br/>1.pls suggest the client to instalt 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。<br/>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<br/>3.Becareful of ambient temperature and heat dissipation during the client use this unit, When exceeding TA, the power supply shall be derated</p> |                           |  |

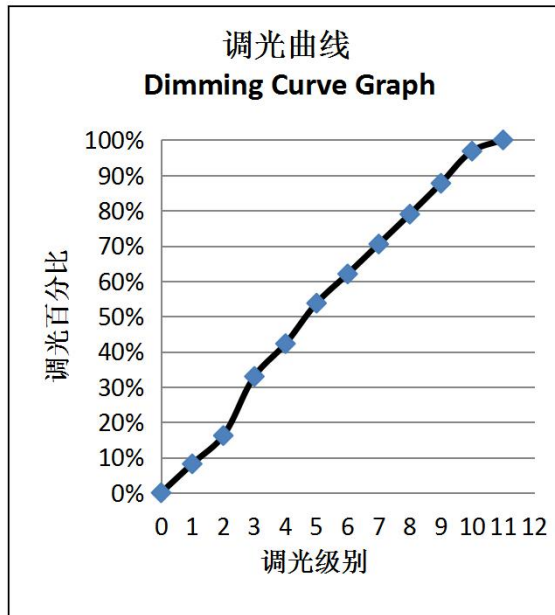
### 测试数据/Test data

| 输入电压<br>Input<br>voltage<br>( Vac) | 输入电流<br>Input<br>current<br>( mA) | 输入功率<br>Input<br>power<br>( W) | 功率因数<br>PF | 输出电压<br>Output<br>voltage<br>( Vdc) | 输出电流<br>Output<br>current<br>( mA) | 输出功率<br>Output<br>Power<br>( W) | 转换效率<br>Efficiency<br>(%) |
|------------------------------------|-----------------------------------|--------------------------------|------------|-------------------------------------|------------------------------------|---------------------------------|---------------------------|
| 120V                               | 582.20                            | 70.77                          | 0.995      | 55.00                               | 1103                               | 60.67                           | 86%                       |
|                                    | 370.20                            | 45.07                          | 0.995      | 35.00                               | 1106                               | 38.71                           | 86%                       |
|                                    | 240.50                            | 29.29                          | 0.991      | 22.00                               | 1114                               | 24.51                           | 84%                       |
| 200V                               | 344.50                            | 68.42                          | 0.988      | 55.00                               | 1100                               | 60.50                           | 88%                       |
|                                    | 225.70                            | 44.44                          | 0.978      | 35.00                               | 1104                               | 38.64                           | 87%                       |
|                                    | 149.90                            | 29.02                          | 0.962      | 22.00                               | 1113                               | 24.49                           | 84%                       |
| 240V                               | 296.50                            | 68.95                          | 0.980      | 55.00                               | 1107                               | 60.89                           | 88%                       |
|                                    | 195.80                            | 45.00                          | 0.964      | 35.00                               | 1113                               | 38.96                           | 87%                       |
|                                    | 131.70                            | 29.36                          | 0.934      | 22.00                               | 1119                               | 24.62                           | 84%                       |

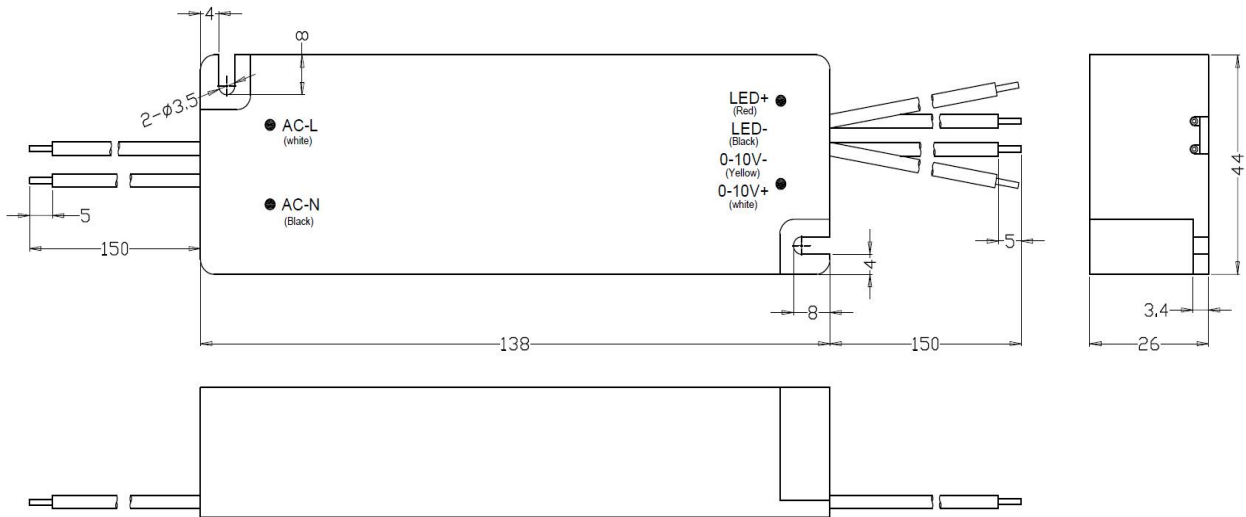
|      |        |       |       |       |      |       |     |
|------|--------|-------|-------|-------|------|-------|-----|
| 277V | 257.30 | 68.72 | 0.966 | 55.00 | 1103 | 60.67 | 88% |
|      | 172.00 | 44.83 | 0.942 | 35.00 | 1107 | 38.75 | 86% |
|      | 118.40 | 29.45 | 0.899 | 22.00 | 1115 | 24.53 | 83% |

调光测试数据Dimming test data

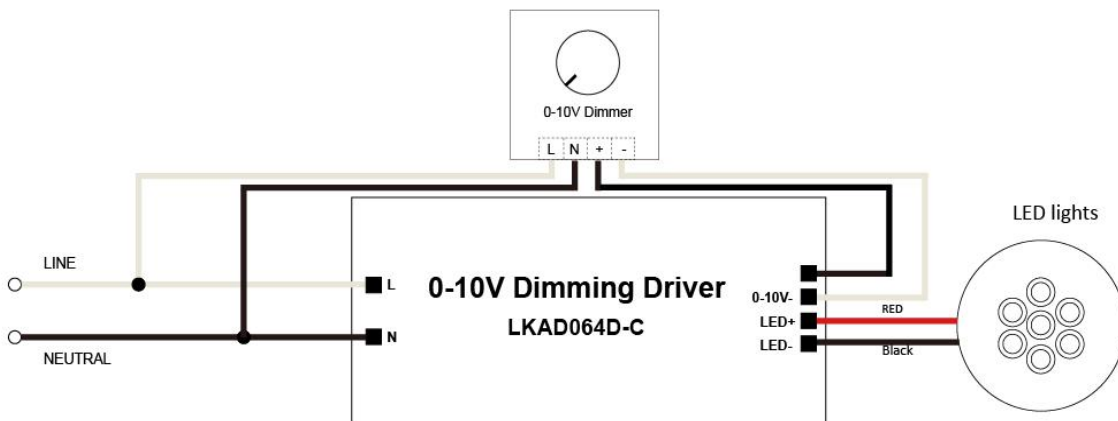
| 输入电压<br>Input<br>voltage<br>( Vac) | 输入电流<br>Input<br>current<br>( mA) | 输入功率<br>Input<br>power<br>( W) | 功率因数<br>PF   | 输出电压<br>Output<br>voltage<br>( Vdc) | 输出电流<br>Output<br>current ( A) | 输出功率<br>Output<br>Power<br>( W ) | 调光电压<br>Dimming<br>voltage ( V) | 百公比     |    |
|------------------------------------|-----------------------------------|--------------------------------|--------------|-------------------------------------|--------------------------------|----------------------------------|---------------------------------|---------|----|
| <b>120V</b>                        | 11.31                             | 0.68                           | 0.496        | 55.000                              | 0.00                           | 0.00                             | 0V                              | 0.00%   | 0  |
| 120V                               | 60.20                             | 6.8                            | 0.932        | 55.000                              | 90.00                          | 4.95                             | 0.5V                            | 8.20%   | 1  |
| 120V                               | 103.40                            | 12.17                          | 0.973        | 55.000                              | 178.00                         | 9.79                             | 1V                              | 16.21%  | 2  |
| 120V                               | 197.50                            | 23.64                          | 0.989        | 55.000                              | 362.00                         | 19.91                            | 2V                              | 32.97%  | 3  |
| 120V                               | 250.50                            | 30.34                          | 0.991        | 55.000                              | 464.00                         | 25.52                            | 3V                              | 42.26%  | 4  |
| 120V                               | 315.10                            | 38.05                          | 0.993        | 55.000                              | 590.00                         | 32.45                            | 4V                              | 53.73%  | 5  |
| 120V                               | 362.00                            | 43.83                          | 0.995        | 55.000                              | 681.00                         | 37.46                            | 5V                              | 62.02%  | 6  |
| 120V                               | 410.00                            | 49.61                          | 0.995        | 55.000                              | 774.00                         | 42.57                            | 6V                              | 70.49%  | 7  |
| 120V                               | 457.90                            | 55.45                          | 0.995        | 55.000                              | 867.00                         | 47.69                            | 7V                              | 78.96%  | 8  |
| 120V                               | 507.90                            | 61.42                          | 0.994        | 55.000                              | 963.00                         | 52.97                            | 8V                              | 87.70%  | 9  |
| 120V                               | 562.90                            | 68.12                          | 0.994        | 55.000                              | 1063.00                        | 58.47                            | 9V                              | 96.81%  | 10 |
| 120V                               | <b>581</b>                        | <b>70.4</b>                    | <b>0.998</b> | <b>55.000</b>                       | <b>1098</b>                    | 60.39                            | 10V                             | 100.00% | 11 |



## 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°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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