

### —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 I恒流类型/ independent, Class I 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



### 产品参数/Specification

Model		LKAD047D-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	≤15%	
	功率因数/Power factor	0.95/240VAC	
	输入电流 Input current (mA)	400MA/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	48W	
	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	284*30*21MM	
	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 install the under 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 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 (%)
240V	185.60	43.47	0.974	40.00	973	38.92	89.5%
	143.00	33.01	0.959	30.00	972	29.16	88.3%
	102.20	22.73	0.924	20.00	978	19.56	86.1%
	63.00	12.34	0.814	10.00	988	9.88	80.1%
200V	219.30	43.49	0.985	40.00	973	38.92	89.5%
	167.30	32.95	0.978	30.00	970	29.10	88.3%
	117.30	22.65	0.959	20.00	977	19.54	86.3%
	68.70	12.26	0.886	10.00	988	9.88	80.6%
120V	378.00	44.55	0.993	40.00	969	38.76	87.0%
	284.30	33.56	0.994	30.00	969	29.07	86.6%
	194.00	22.90	0.993	20.00	975	19.50	85.2%
	105.30	12.21	0.981	10.00	986	9.86	80.8%

C-通道测试数据/Test data

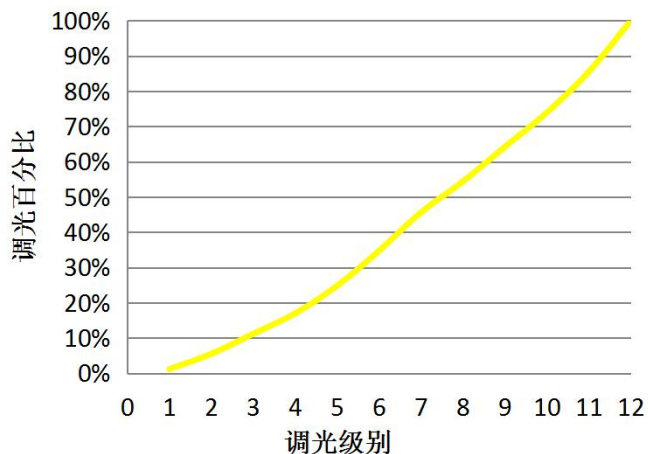
输入电压 Input voltage ( Vac)	输入电流 Input current ( mA)	输入功率 Input power ( W)	功率因数 PF	输出电压 Output voltage	输出电流 Output current	输出功率 Output Power ( W )	转换效率 Efficiency (%)
240V	185.60	43.47	0.974	40.00	973	38.92	89.5%
	143.00	33.01	0.959	30.00	972	29.16	88.3%
	102.20	22.73	0.924	20.00	978	19.56	86.1%
	63.00	12.34	0.814	10.00	988	9.88	80.1%
200V	219.30	43.49	0.985	40.00	973	38.92	89.5%
	167.30	32.95	0.978	30.00	970	29.10	88.3%
	117.30	22.65	0.959	20.00	977	19.54	86.3%
	68.70	12.26	0.886	10.00	988	9.88	80.6%
120V	378.00	44.55	0.993	40.00	969	38.76	87.0%
	284.30	33.56	0.994	30.00	969	29.07	86.6%
	194.00	22.90	0.993	20.00	975	19.50	85.2%
	105.30	12.21	0.981	10.00	986	9.86	80.8%

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	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	11.00	1.14%	240V	40.00	11.00	1.14%	1
240V	40.00	53.00	5.48%	240V	40.00	53.00	5.48%	2
240V	40.00	108.00	11.17%	240V	40.00	108.00	11.17%	3
240V	40.00	164.00	16.96%	240V	40.00	164.00	16.96%	4
240V	40.00	240.00	24.82%	240V	40.00	240.00	24.82%	5
240V	40.00	336.00	34.75%	240V	40.00	336.00	34.75%	6
240V	40.00	441.00	45.60%	240V	40.00	441.00	45.60%	7
240V	40.00	526.00	54.40%	240V	40.00	526.00	54.40%	8
240V	40.00	621.00	64.22%	240V	40.00	621.00	64.22%	9
240V	40.00	715.00	73.94%	240V	40.00	715.00	73.94%	10
240V	40.00	827.00	85.52%	240V	40.00	827.00	85.52%	11
240V	40.00	967.00	100.00%	240V	40.00	967.00	100.00%	12

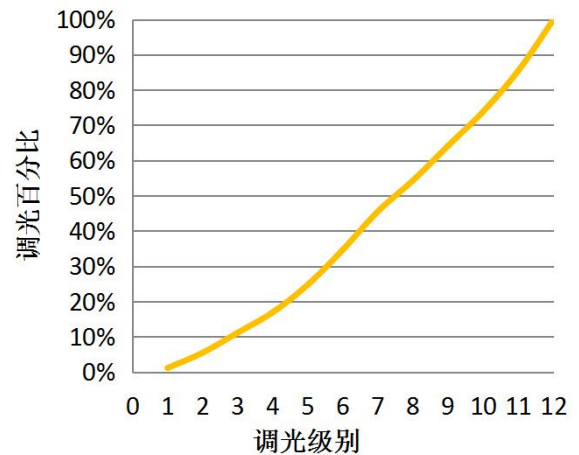
C-通道调光曲线

C channel Dimming Curve Graph



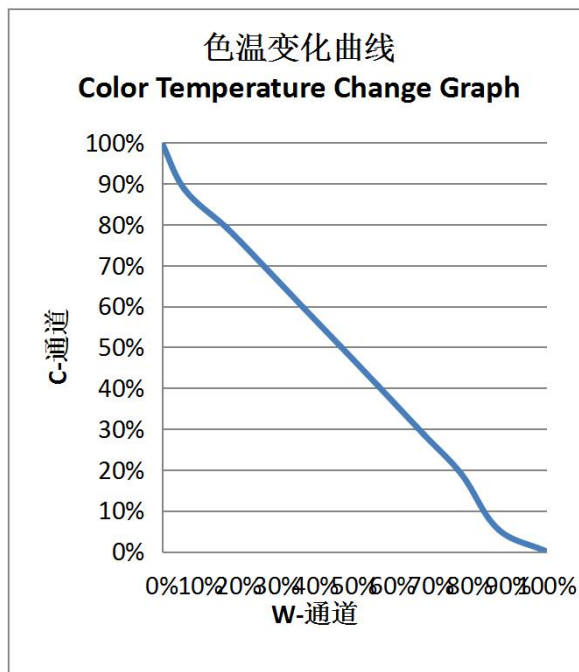
W-通道调光曲线

W channel Dimming Curve Graph

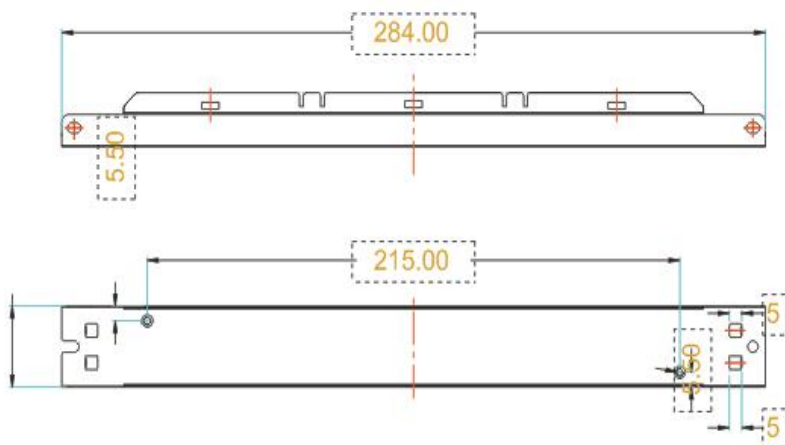


## 调色测试数据Dimming test data

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	967.00	100.00%
240V	40.00	52.00	5.38%	240V	40.00	846.00	87.49%
240V	40.00	184.00	19.05%	240V	40.00	752.00	77.77%
240V	40.00	277.00	28.67%	240V	40.00	658.00	68.05%
240V	40.00	296.00	30.64%	240V	40.00	639.00	66.08%
240V	40.00	391.00	40.48%	240V	40.00	544.00	56.26%
240V	40.00	484.00	50.10%	240V	40.00	450.00	46.54%
240V	40.00	577.00	59.73%	240V	40.00	355.00	36.71%
240V	40.00	671.00	69.46%	240V	40.00	260.00	26.89%
240V	40.00	763.00	78.99%	240V	40.00	165.00	17.06%
240V	40.00	856.00	88.61%	240V	40.00	57.00	5.89%
240V	40.00	966.00	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.

## 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