



- 120-277VAC(50/60Hz)输入/ 120-277VAC(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
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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 2恒流类型  
independent, Class 2 constant current type;
- 防护等级 IP20/ degree of protection IP20;
- 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		LKAD021DC050042C	备注
输入 Input	输入电压范围/Input Voltage range	120-277Vac	
	频率/Frequency	50/60hz	
	谐波/THD	≤15%	
	功率因数/Power factor	0.99/120VAC	
	输入电流 Input current (mA)	208MA/120VAC	
	待机功耗 stand_by power	≤1.5W	
	浪涌电流 Inrush Current (Max.)	≤50A@120VAC	
	漏电流 Leakage Current	<1MA/120VAC	

输出 Output	额定电压/Rated voltage	42V	
	空载电压/No-load Voltage	≅49V	
	工作电压范围/working voltage range	5-42V	
	额定电流规格/Rated current specification	500MA±15MA	
	电流精度/Current precision	(+/-)3%	
	额定功率/Rated power	21W	
	开机延时/Setup Time	≤0.5s/120VAC	
	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°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	E478938	
	耐压 withstand voltage	1500VAC/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	IEC61347-2-13 EN61	
	电磁干扰electromagnetic interference	EN55015	
	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		
	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>		

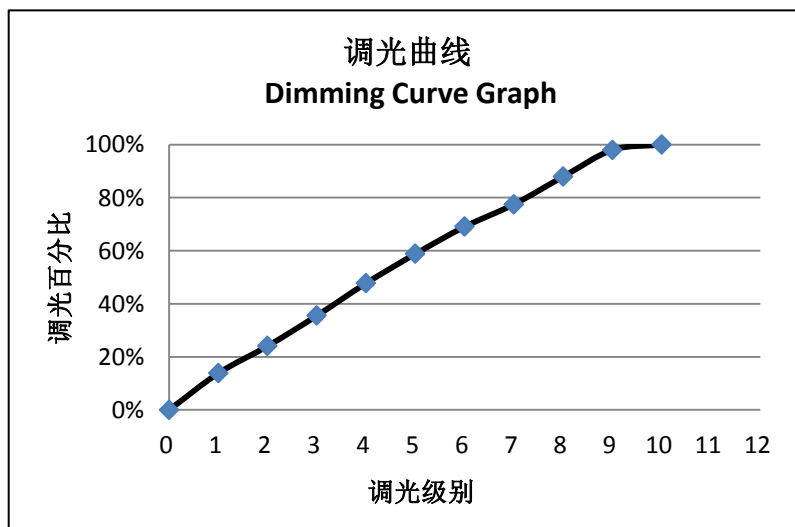
### 测试数据/Test data

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 (%)
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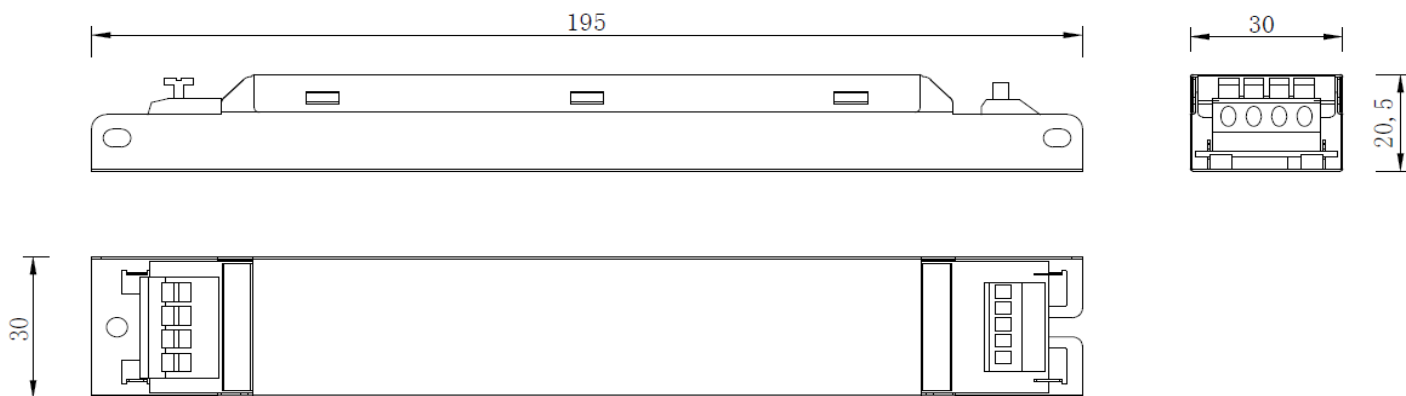
120	208.3	24.36	0.989	42	497	20.874	85.69%
	186.8	21.81	0.989	37	502	18.574	85.16%
	153.3	17.88	0.986	30	503	15.09	84.40%
	96.68	11.17	0.978	18	509	9.162	82.02%
240	108.30	23.81	0.930	42	495	20.79	87.32%
	98.64	21.44	0.919	37	500	18.5	86.29%
	84.04	17.74	0.900	30	501	15.03	84.72%
	59.76	11.35	0.800	18	507	9.126	80.41%
277	97.17	23.84	0.910	42	494	20.748	87.03%
	89.40	21.48	0.890	37	499	18.463	85.95%
	77.38	17.84	0.863	30	500	15	84.08%
	57.53	11.51	0.800	18	507	9.126	79.29%

### 调光测试数据Dimming test data

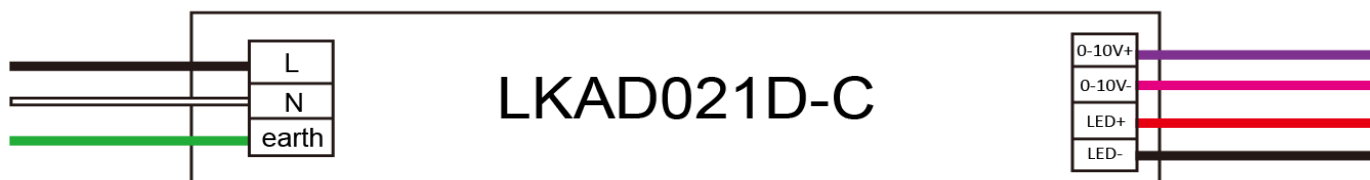
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (MA)	输出功率 Output Power (W)	调光电压 Dimming voltage (V)	百分比	
120	10.30	0.32	0.250	37.000	0.00	0.00	0.5	0.00%	0
120	45.00	3.47	0.628	37.000	69.00	2.55	1V	13.86%	1
120	49.30	5.57	0.921	37.000	120.00	4.44	2V	24.10%	2
120	67.77	7.92	0.954	37.000	177.00	6.55	3V	35.54%	3
120	87.44	10.43	0.974	37.000	238.00	8.81	4V	47.79%	4
120	105.50	12.67	0.979	37.000	293.00	10.84	5V	58.84%	5
120	123.00	14.84	0.982	37.000	344.00	12.73	6V	69.08%	6
120	138.00	16.67	0.984	37.000	386.00	14.28	7V	77.51%	7
120	156.50	18.91	0.984	37.000	438.00	16.21	8V	87.95%	8
120	174.70	21.14	0.986	37.000	488.00	18.06	9V	97.99%	9
120	178.7	21.63	0.990	37.000	498.00	18.43	10V	100.00%	10



## 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120V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,

## 联系方式/Contact

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