



# )-10V Dimmable LED Drivers—LKAD045V-C

朝冠电源



### —产品特性/Feature—

- 220VAC (50/60Hz)输入 / 220VAC (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 strobeoscopic 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

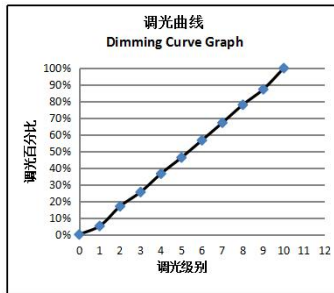
Model		LKAD045V-C	备注
输入 Input	输入电压范围/Input Voltage range	220V	
	频率/Frequency	50/60hz	
	谐波/THD	≤8%/230VAC	
	功率因数/Power factor	0.95/230VAC	
	输入电流 Input current (mA)	250mA	
	待机功耗 stand_by power	≅0.8W	
	浪涌电流 Inrush Current(Max.)	≤30A@230VAC	
	漏电流 Leakage Current	<1mA/220V	
输出 Output	额定电压/Rated voltage	24V	
	空载电压/No-load Voltage	24V	
	工作电压范围/working voltage range	24V	
	可选择电流规格/selectable current	500-2000mA	
	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%	
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 Requirement	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	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	EN61347, GB19510	
	电磁干扰Electromagnetic Interference	EN55015, EN61000-3-2	
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	0.4*243*30*21	
	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 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>		

测试数据/Test data

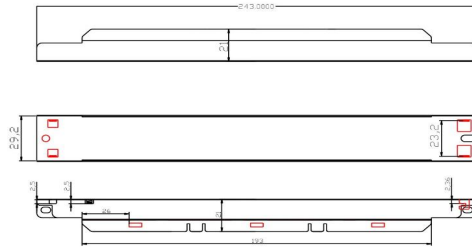
输入电压 Input voltage (Vac)	输入电流 Input current (mA)	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (mA)	输出功率 Output Power (W)	转换效率 Efficiency (%)
220V	239.10	55.07	0.991	24.00	2000	48.00	87%
	126.10	28.12	0.969	24.00	1000	24.00	85%
	118.70	14.17	0.519	24.00	500	12.00	85%

调光测试数据Dimming test data

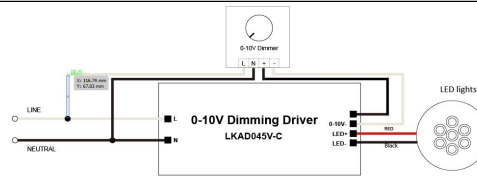
输入电压 Input voltage	输入电流 Input current	输入功率 Input power (W)	功率因数 PF	输出电压 Output voltage (Vdc)	输出电流 Output current (A)	输出功率 Output Power (W)	调光电压 Dimming voltage (V)	百分比	
120V	9.22	0.56	0.262	24.000	0.01	0.24	0.027V	0.00%	0
120V	32.60	3.32	0.437	24.000	97.00	2.33	1V	5.11%	1
120V	60.11	9.25	0.497	24.000	321.00	7.70	2V	16.91%	2
120V	70.69	15.97	0.97/230VA	24.000	484.00	11.62	3V	25.50%	3
120V	92.63	19.91	0.931	24.000	694.00	16.66	4V	36.56%	4
120V	118.70	24.64	0.957	24.000	878.00	21.07	5V	46.26%	5
120V	133.10	31.43	0.974	24.000	1075.00	25.80	6V	56.64%	6
120V	154.20	34.84	0.982	24.000	1275.00	30.60	7V	67.18%	7
120V	179.30	40.63	0.980	24.000	1480.00	35.52	8V	77.98%	8
120V	207.20	47.19	0.980	24.000	1657.00	39.77	9V	87.30%	9
120V	228.10	52.16	0.984	24.000	1898.00	45.55	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:

- 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 20VAC input, rated load and 25 of ambient temperature;
- 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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