



# 0-10V Dimmable LED Drivers—LKAD040D-C

## —产品特性/Feature—

- 200-240VAC (50/60Hz) 输入 / 200-240VAC (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		LKAD040D-C	备注
输入 Input	输入电压范围/Input Voltage	200-240V	
	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)	203MA/240V	
	待机功耗 stand_by power	≅ 1W	
	浪涌电流 Inrush Current (mA)	≤48A@230VAC	
	漏电流 Leakage Current	<1MA/230V	
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	2-42V	
	可选择电流规格/selectable current	1000MA ± 30MA	
	电流精度/Current precision	(+/-) 3%	
	额定功率/Rated power	<42W	
	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 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	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 Others	IP等级说明 IP level descr	IP65	
	质保说明Warranty instruct	3年/3 years	
	尺寸/Size	135*45*25MM	
	重量/Netweight	100g	
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. Becareful of ambient temperature and heat dissipation during the client use this unit, When exceeding TA, the power supply shall be derated</p>		

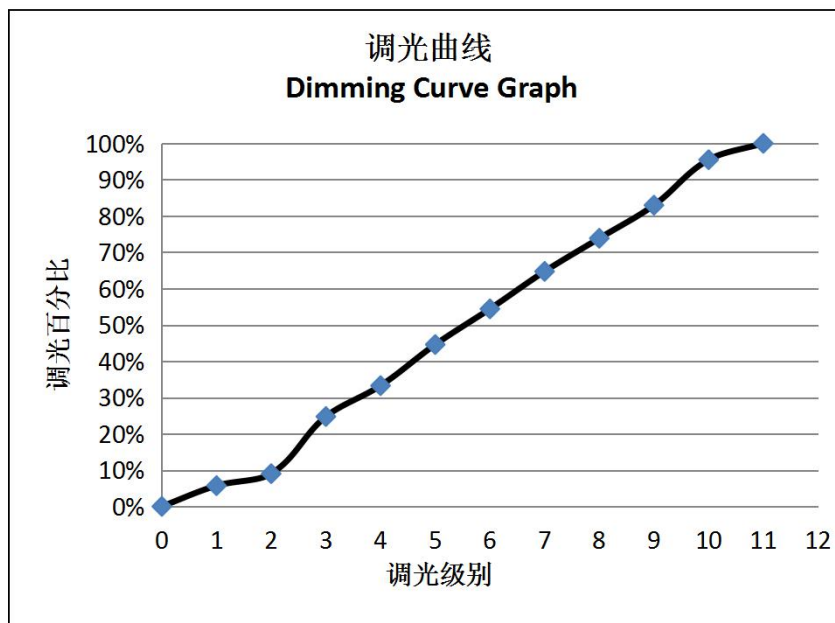
### 测试数据/Test data

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 (%)
240V	203.50	46.75	0.956	42.00	995	41.79	89%
	186.50	42.61	0.951	38.00	998	37.92	89%
	152.70	34.23	0.933	30.00	1002	30.06	88%
	131.80	28.96	0.915	25.00	1005	25.13	87%
	110.80	23.52	0.883	20.00	1002	20.04	85%
	106.20	12.92	0.504	10.00	1011	10.11	78%
	76.32	7.20	0.397	5.00	995	4.98	69%
	36.54	3.73	0.428	2.00	966	1.93	52%

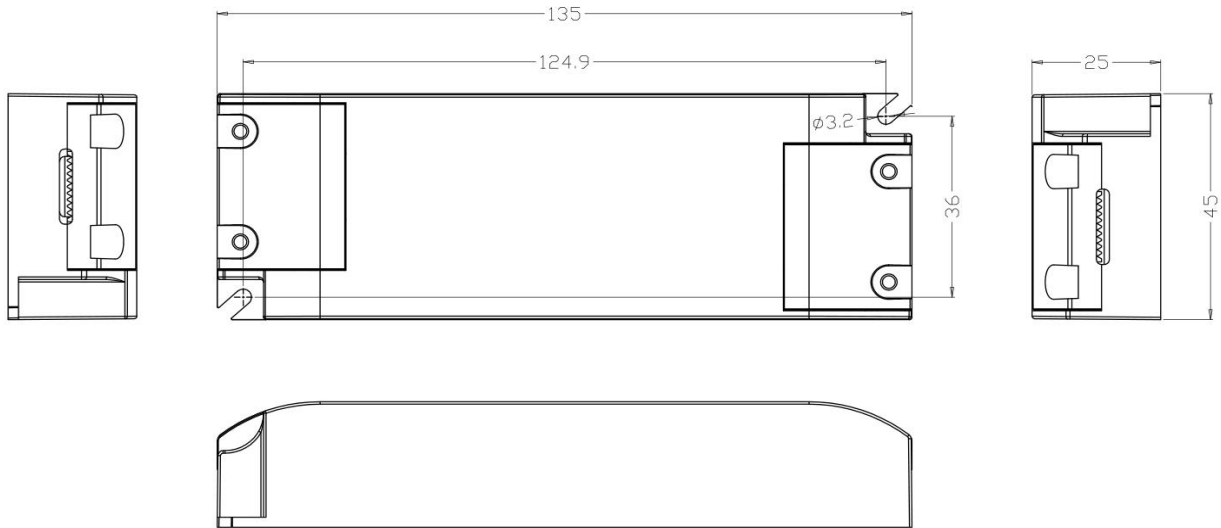
200V	237.70	46.85	0.982	42.00	999	41.96	90%
	216.30	42.44	0.979	38.00	996	37.85	89%
	174.70	34.06	0.972	30.00	1000	30.00	88%
	122.80	23.39	0.950	20.00	1002	20.04	86%
	109.30	12.80	0.583	10.00	1008	10.08	79%
	72.41	7.26	0.500	5.00	1013	5.07	70%
	42.58	3.70	0.415	2.00	965	1.93	52%

调光测试数据Dimming test data

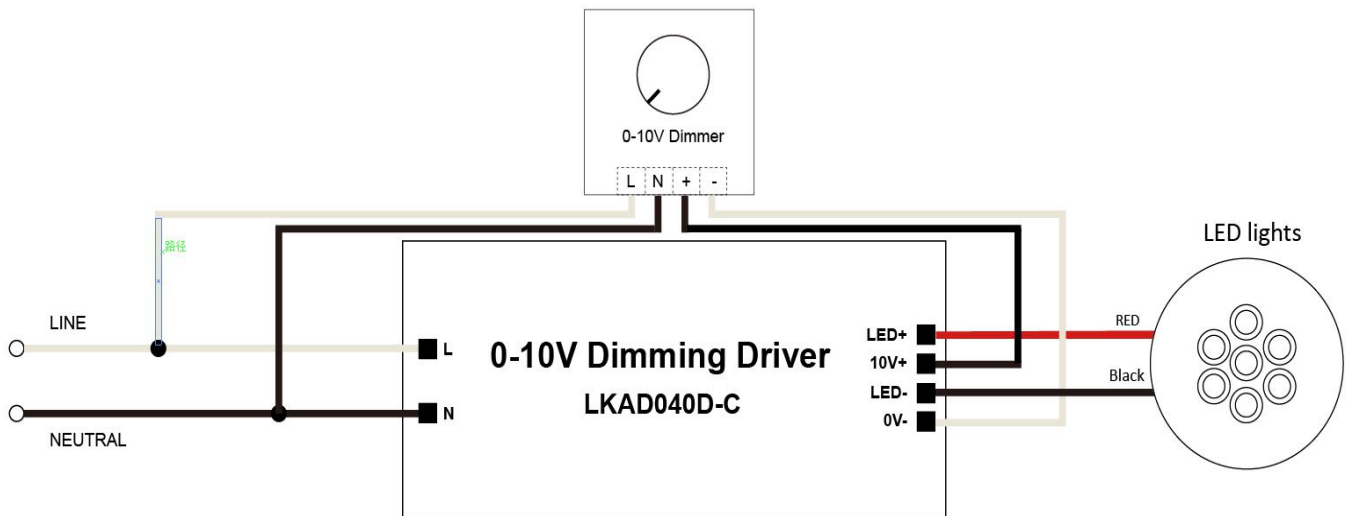
输入电压 Input voltage ( Vac)	输入电流 Input current ( mA)	输入功率 Input power ( W)	功率因数 PF	输出电压 Output voltage ( Vdc)	输出电流 Output current ( MA)	输出功率 Output Power ( W )	调光电压 Dimming voltage ( V)	百分比	
240V	17.33	0.57	0.135	40.000	0.00	0.00	0V	0.00%	0
240V	33.03	3.35	0.420	40.000	57.00	2.28	0.6V	5.71%	1
240V	47.40	4.86	0.427	40.000	90.00	3.60	1V	9.02%	2
240V	64.40	12.07	0.779	40.000	247.00	9.88	2V	24.75%	3
240V	77.85	15.75	0.840	40.000	332.00	13.28	3V	33.27%	4
240V	96.67	20.69	0.889	40.000	445.00	17.80	4V	44.59%	5
240V	115.60	24.89	0.916	40.000	543.00	21.72	5V	54.41%	6
240V	130.50	29.3	0.934	40.000	646.00	25.84	6V	64.73%	7
240V	146.30	33.3	0.946	40.000	737.00	29.48	7V	73.85%	8
240V	161.60	38.5	0.956	40.000	828.00	33.12	8V	82.97%	9
240V	184.40	42.7	0.962	40.000	953.00	38.12	9V	95.49%	10
240V	192.50	44.7	0.965	40.000	998.00	39.92	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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