



0-10V Dimmable LED Drivers—LKAD019D-C



- 产品特性/Feature—**
- 100-277VAC(50/60Hz)输入/ 100-277VAC(50/60Hz) Input
 - 隔离方案,0-10V调光无闪烁 Isolated,0-10V dimming, no flicker
 - 高效率、高功率因素,稳定性好/ Hight efficiency,high PF, good steady;
 - 短路保护,过流保护,过压保护/ short circuit/over load/over current/ ;
 - 调光兼容性好 smooth dimming, good compatibility
 - 自然风冷/ cooling by free air convection;
 - 100%满载老化测试/ 100% full load burn-in test;
 - 独立外置, Class II恒流类型/ independent, Class II constant current type;
 - 防护等级 IP20/ degree of protection IP20;
 - 适用于面板灯/天花灯/筒灯等照明应用/ suitable for LED lighting, ceiling light, down light and panel light;
 - 3年质保期/ 3 years warranty.



产品参数/Specification

Model	LKAD019D-C	
输入 Input	AC电压范围/AC Voltage range	100-277V
	频率/Frequency	50/60hz
	谐波/THD	≤8%/230VAC
	功率因数/Power factor	0.96
输出 Output	额定电压/Rated voltage	40V
	空载电压/No-load Voltage	48V
	DC电压范围/DC voltage range	5-40V
	DC电流范围/DC current range	600mA
	电流精度/Current precision	
	额定功率/Rated power	24W
	输入纹波/Output ripple	<200mV
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	认证编号/Certificate	UL1310 UL8750 Fcc Part15B
	尺寸/Size	L88xW37xH24
其他	重量/Net weight	/

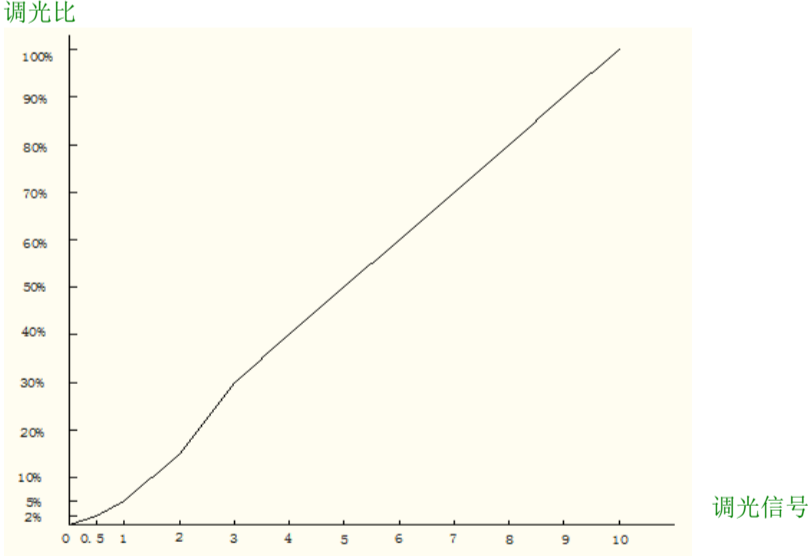
测试数据/Test data

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 (%)
110V	41.650	4.52	0.983	5.00	606	3.03	67.04%
	131.100	14.40	0.976	20.00	607	12.14	84.31%
	252.100	27.80	0.998	40.00	607	24.28	87.34%
220V	249.000	4.71	0.856	5.00	607	3.04	64.44%
	67.300	14.54	0.977	20.00	607	12.14	83.49%
	125.700	27.55	0.991	40.00	607	24.28	88.13%
240V	23.980	4.75	0.818	5.00	606	3.03	63.79%
	62.158	14.60	0.969	20.00	608	12.16	83.29%
	115.200	27.60	0.988	40.00	607	24.28	87.97%
265V	23.550	4.82	0.767	5.00	606	3.03	62.86%
	57.430	14.67	0.956	20.00	608	12.16	82.89%
	105.300	26.68	0.983	40.00	607	24.28	91.01%

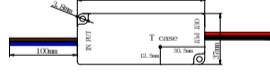
调光测试数据Dimming test data

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)	0-10V电压(V)
230	8.490	0.37	0.189	0.50	0.00	0.00	0
230	16.400	2.44	0.644	39.31	36.00	1.42	0.5
230	16.400	2.45	0.644	39.31	36.00	1.42	1
230	24.390	4.76	0.842	39.66	89	3.53	2
230	35.800	7.67	0.922	39.92	155	6.19	3
230	47.100	10.43	0.954	40.10	217	8.70	4
230	58.900	13.24	0.968	40.27	281	11.32	5
230	71.270	16.13	0.976	40.40	344	13.90	6
230	83.300	18.97	0.981	40.53	408	16.54	7
230	96.560	22.08	0.986	40.67	476	19.36	8
230	109.500	25.08	0.988	40.78	541	22.06	9
230	121.900	27.97	0.990	40.90	603	24.66	10

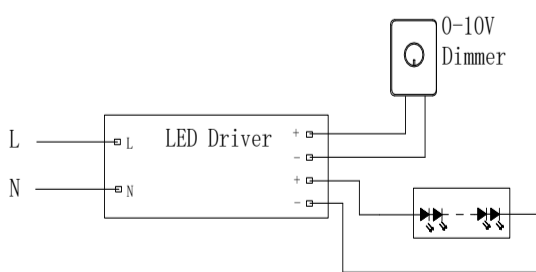
调光曲线图



产品尺寸图/ Product Size Diagram



产品接线示意图/ Product Connection Diagram



DIMMER为0-10V输入, 蓝色线接调光正极, 绿色线接调光负极。
红色线接负载正极, 黑色线接负载负极。

备注/Note:

- 所有提到的参数都是在环境温度25°C的情况下测量的。
All parameters not specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature;
- 本产品的一部分量测给定的因EMC的性能在安装后受影响, 因此最终产品在安装前应重新EMC指定。
The LED driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
- 可直接LEDs连接但非额外的驱动电源使用。
Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.
- 为满足最新的ErP要求, 本产品只能在不是直接连接到主线的开关后面使用。
To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanent connect to the mains.

