

Hight PF External LED Driver—LKAD028F



—产品特性/Feature—

- 90-264VAC (50/60Hz) 宽电压输入, 符合国际通用交流输入范围/ 90-264VAC (50/60Hz) Input, comply with alternating current input range all over the world;
- 隔离方案, 不调光/ Isolated, non-dimmable driver;
- 高效率、高功率因素, 无频闪, 稳定性好 / Hight efficiency, hight PF, no-flicker, good steady;
- 短路保护, 过流保护, 过压保护, 过温保护/ short circuit/over load/over current/ over temperature protection;
- 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;
- 5年质保期/ 5 years warranty.



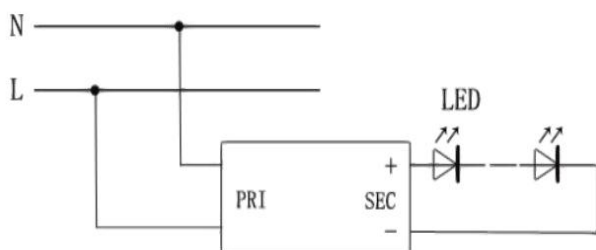
产品参数/Specification

Model		LKAD028FC600	LKAD028FC1500	LKAD028FC1000
输出 Output	电压/Rated voltage	50V	20V	33V
	空载电压/No-load Voltage	57V	25V	42V
	DC电压范围/DC voltage range	45-55V	18-22V	24-40V
	DC电流范围/DC current range	770-800mA	1400-1500mA	950-1000
	电流精度/Current precision	(±) 5%		
	额定功率/Rated power	44W	33W	40W
	开机延时/Setup Time	≤0.5s/230VAC		
输入 Input	AC电压范围/AC Voltage range	90-264V		
	频率/Frequency	50/60hz		
	谐波/THD	≤15%	≤15%	≤15%
	功率因数/Power factor	0.996/230VAC	0.919/230VAC	0.939/230VAC
使用环境 Environment Requirements	工作温度/湿度要求 Operating Temp./RH	-30~+50℃/20~95%		
	储存温度, 湿度要求 Storage Temp./RH	-40~+80℃/10~95%		
安全和电磁兼容	认证标识/Certificate	CCC:2016011002843534, TUV:085-130324901-000		
	安全规范/Safety standard	EN 61347-2-13:2006 EN 61347-1/A2:2013		
	电磁兼容/EMC compliance	EN55015		
	耐压/Withstand voltage	3750VAC		
其他	尺寸/Size	132x45x24mm		
	重量/Net weight	142g		

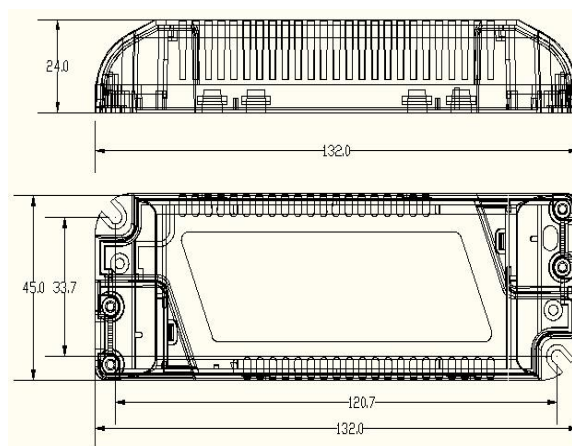
测试数据/Test data

输入电压 Input voltage (Vac)	输入功率 Input power (W)	输入电流 Input current (mA)	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 (%)
90	46.00	513.68	0.995	50.00	790	39.50	86%
	36.10	403.94	0.993	20.00	1440	28.80	80%
	41.30	462.12	0.993	36.00	971	34.96	85%
180	45.00	264.83	0.944	50.00	792	39.60	88%
	35.28	205.88	0.952	20.00	1459	29.18	83%
	40.78	242.56	0.934	36.00	984	35.42	87%
230	44.80	195.56	0.996	50.00	793	39.65	89%
	35.00	165.59	0.919	20.00	1452	29.04	83%
	40.00	185.21	0.939	36.00	994	35.78	89%
264	45.20	202.38	0.846	50.00	796	39.80	88%
	35.50	153.33	0.877	20.00	1451	29.02	82%
	41.00	176.08	0.882	36.00	990	35.64	87%

产品接线示意图/ Product Connection Diagram



安装尺寸图/Install Size 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 230VAC input, rated load and 25 of ambient temperature;
- 本驱动电源是作为一个部件与最终的设备结合进行操作的。因为 EMC的性能在电源完全安装后会受到影响，因此最终设备制造商在完成安装后必须重新获取 EMC指示认定。
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.
- 可以直接与LEDs连接，但不适宜与额外的驱动电源使用；
Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.
- 为了满足在灯具安装中最后的Erp校准要求，本驱动电源只能在一个不是永久地连接在交流干线的开关后面使用。
To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connect to the mains.

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