

0/1-10V Constant Current LED Driver

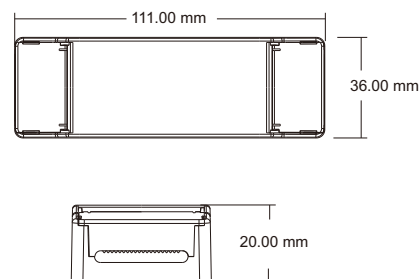
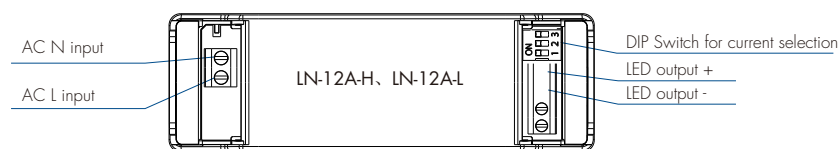
Model No.: LN-12A-H, LN-12A-L

Features

- Dimming interface: 0-10V, 1-10V, 10V PWM, Resistor
- Universal AC input / Full range
- Flicker - Free
- 1 channel constant current output, configurable current via DIP switch
- Synchronize on multiple number of LED drivers
- Over-heat / Over-load / Short circuit protection, recover automatically
- Full protective plastic case
- Suitable for indoor LED lighting application
- 5 Year, 50,000hr warranty



Mechanical Structures and Installations

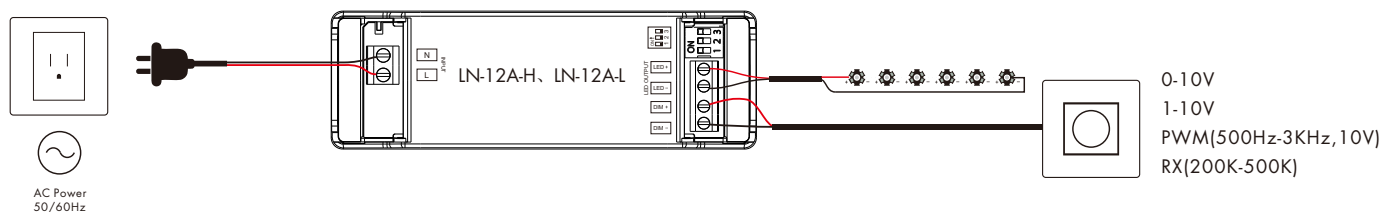


Technical Parameters

Applications

- Suitable for downlight, spotlight and decorative applications.
- Office / Commercial / Domestic Lighting, Hotels, Classrooms, Warehouse, Health care, Retail and Display.
- Use for retrofit upgrades & new luminaire designs.

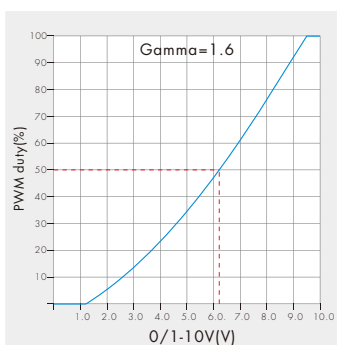
Wiring Diagram



- The 0/1-10V input is operable via commercially available simple rotary wall switches designed for 0/1-10V dimming equipment or from dedicated system central dimming controllers.
- Compliant with 0-10V, 1-10V, 10V PWM, RX(4 in 1).
- We recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 50 pieces, The maximum length of the wires from dimmer to LED driver should be no more than 50 meters.

Dimming Curve

0/1-10V dimming

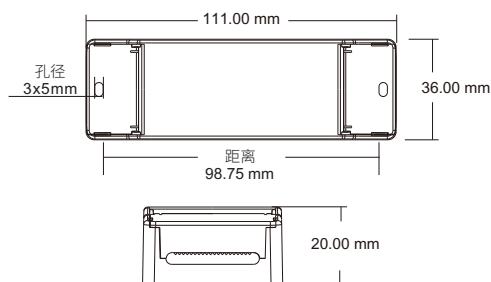
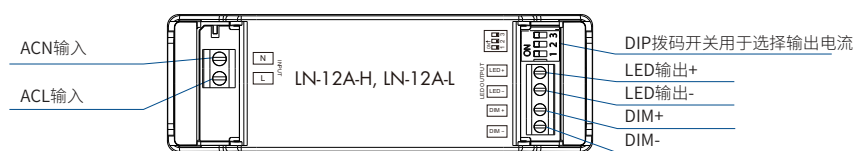


特点

- 调光接口:0-10V,1-10V,10VPWM;电阻
- 全范围交流输入
- 无频闪
- 1通道恒流输出,可通过DIP拨码开关设置电流
- 同步控制多个LED电源
- 过热/过载/短路保护,自动恢复
- 全保护塑料外壳
- 适用于室内LED照明应用
- 5年,50,000小时保修



机械结构和安装



技术参数

型号	LN-12A-H	LN-12A-L	
输出	输出电压	3-24VDC	9-45VDC
	最大输出电压	33VDC	48VDC
	输出电流	350-700mA	100-450mA
	输出功率	Max.12W	
	调光范围	0~100%,调光深度:0.01%	
	PWM频率	4000Hz	
	输出电流精准	±5%	
	波纹和噪音	<100mV	
输入	输入电压范围	100~240VAC	
	频率范围	50/60Hz	
	效率	>79%/230VAC	>80%/230VAC
	输入电流	0.3A/115VAC,0.15A/230VAC	
	防涌浪电压	L-N:1KV	
	涌浪电流	冷启动27A/230VAC	
	漏电流	<0.5mA/230VAC	
	待机功率	<2W	
保护	过载保护	当输入电压超出范围时关闭输出,可自动恢复	
	短路保护	输出短路时关闭输出,可自动恢复	
	过温保护	当PCB温度大于100°C时降低输出电流或关闭输出,可自动恢复	
环境	工作温度	-20°C~50°C	
	外壳最大温度	80°C	
	工作湿度	20%~90%RH,无冷凝	
	储存温度/湿度	-40°C~80°C,10%~95%RH	
	温度系数	±0.03%/°C(0-50%)	
	抗振性	10-500Hz,2G,6分钟/c周期,X,Y,Z轴/2分钟	
	防水等级	IP20	
安全&EMC	安全规范	IEC/EN61347-1,IEC/EN61347-2-13	
	耐压	I/P-O/P:3750VAC	
	绝缘电阻	I/P-O/P:100MΩ/500VDC/25°C/70%RH	
	EMC电磁兼容发射	EN61000-3-2ClassC,IEC61000-3-2	
	EMC电磁兼容抗扰度	EN61000-4-2.3.4.5.6.8.11,EN61347	
	认证	CE	

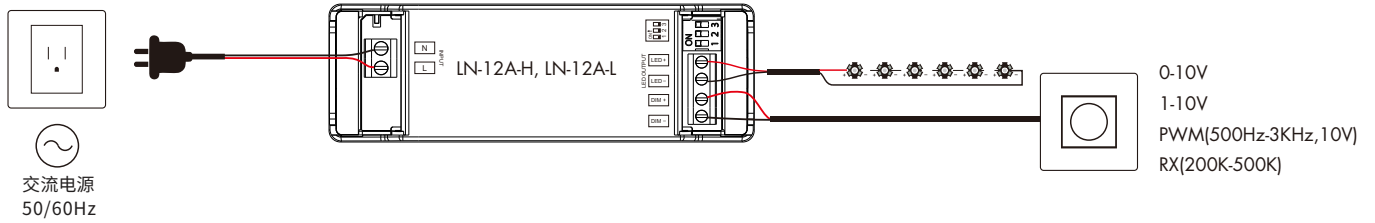
LED输出电流选择:

型号		1	2	3						
LN-12A-H	输出电压	3-24V	3-24V	3-24V	3-24V	3-22V	3-20V	3-18V	3-17V	
	输出电流	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	
LN-12A-L	输出电压	9-45V	9-45V	9-45V	9-45V	9-40V	9-34V	9-30V	9-26V	
	输出电流	100mA	150mA	200mA	250mA	300mA	350mA	400mA	450mA	

应用

- 适用于筒灯, 聚光灯和装饰应用。
- 办公室/商业/家庭照明, 酒店, 教室, 仓库, 医疗保健, 零售和展示。
- 用于改造升级和新灯具设计。

接线图



- 0/1-10V输入可连接墙壁开关0-10V旋钮调光器, 或0/1-10V调光系统的0/1-10V信号输出接口。
- 兼容0-10V, 1-10V, 10VPWM, RX(4合1)信号输入
- 建议连接到0/1-10V调光器的LED电源数量不超过50个, 从调光器LED电源的最大导线长度不应超过50米。

调光曲线

0/1-10V调光

