

MWP200T-1H24V(104200410101)
Summary

MWP200T-1H24V is a constant voltage mode output LED driver. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB, Siemens etc.) to achieve a smooth dimming effect.


Product Feature

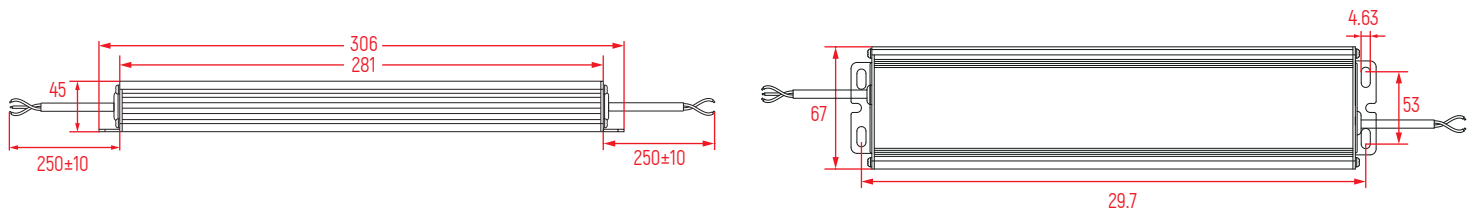
- Single-channel constant voltage output, 8.33A Max.
- Support Leading edge (Triac) and Trailing edge (ELV) Dimmer.
- Dimming range from 40VAC to 240V AC.
- Dimming effect smooth, no flicker
- High efficiency: up to 88%.
- Over current protection; Over voltage protection; Short circuit protection; Over temperature Protection
- Suitable for indoor and outdoor various LED lighting application

CE RoHS SELV

Application

Technical Parameters

Model	MWP200T-1H24V	
Input	Efficiency	88%@230VAC, Full load
	Voltage	200VAC-240VAC
	Frequency	50/60Hz
	Power Factor	>0.95@230VAC, Full load
	Current	1.2Amax@230VAC, Full load
	Dimming voltage range	40-240VAC
	Inrush Current	Cold start, 50A@230VAC
Output	Current/Voltage/Power	8.33A/24VDC/200W
	Ripple Current	240mVp-p
	Channel	1
	Voltage Tolerance	±2%
	Turn On Delay Time	<2s, at 230Vac
Function	Dimming Mode	Triac ELV
	Dimming Range	1-100% Dimming to off
Protection	Over temperature	Shut down and auto-restart after normal temperature
	Over current	Hiccup, recovers after fault condition is removed
	Short Circuit	Close the output, restart to recover since fault condition is removed for 10s
	Over voltage	Hiccup, recovers after fault condition is removed
Others	Working Temp.	-25°C~50°C
	Storage Temp.; Humidity	-25°C~75°C, 5-95%RH
	Tc	85°C
	Material	PC
	IP Rating	IP67
	Lifetime	50,000h@tc:75°C
	Warranty Condition	5 years
	Switch Cycle	>100,000 times
	Packing Size	Net weight: 1600g±5%/PCS; 10PCS/Carton; 16.5kg±5%/Carton; Carton Size: 356*264*182mm(L*W*H)
Dimension	306*67*45mm(L*W*H)	

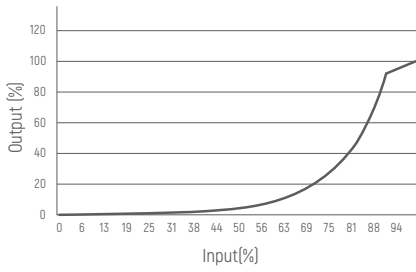
Dimension(mm)


Wiring Diagram

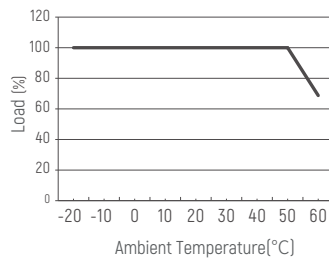
TRIAC Dimmer



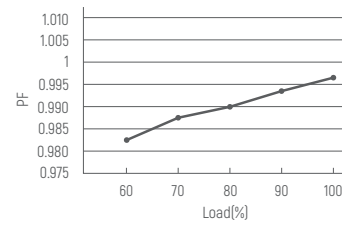
Dimming Curve



Derating Curve



PF vs Load



Cautions

- 1 This product should cut off the input voltage and installed by a professional.
- 2 Before installation, cut off the power supply and confirm that the voltage and current output by the power supply meet the specification requirements of the lamp.
- 3 It is waterproof IP67, do not soak in water for a long time when using.
- 4 The driver should be installed in a well space and environment.
- 5 The sectional area of the conductor wire which connect to the driver and lamp should be enough (Recommended less than 4A/mm²).
- 6 Make sure all connections are correct and secure before powering up.
- 7 If break down during use, it must be repaired by a professional or contact the supplier.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.

MWP200T-1H24V(104200410101)

概述

MWP200T-1H24V是一款防水恒压输出LED调光驱动器。这款驱动器支持前沿切相和后沿切相调光器，可以与多品牌系统(飞利浦, ABB, 路创, 西门子, 西蒙, 松下等) 配合使用, 实现平滑调光的效果。

产品特点

- 单通道恒压输出, 最大输出电流8.33A
- 支持前沿 (Triac) 和后沿(ELV)调光
- 调光电压范围 40VAC- 240VAC.
- 调光曲线平滑, 无抖动
- 高效率达88%
- 过流保护; 过压保护; 短路保护; 过温保护
- 适用于室内、室外各种LED灯具
- 防护等级达IP67
- 质保期5年



CE RoHS SELV

应用



洗墙灯



LED灯带



LED硬灯条



地埋灯

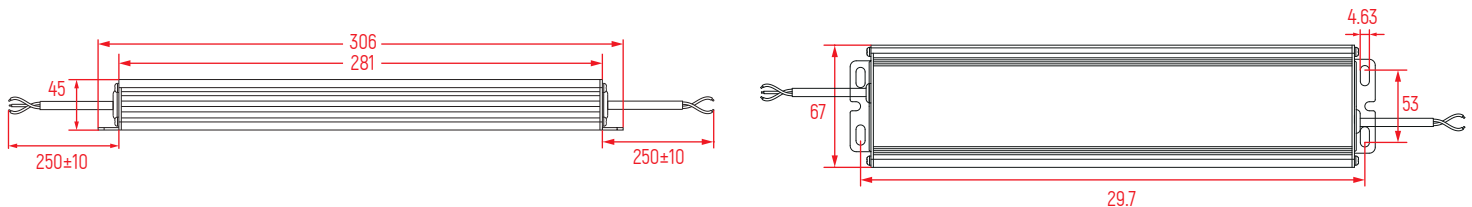


AR斗胆灯

技术参数

型号	MWP200T-1H24V	
输入	效率	88%@230VAC, 满载
	电压	200VAC-240VAC
	频率	50/60Hz
	功率因素	>0.95@230VAC, 满载
	电流	1.2Amax@230VAC, 满载
	调光电压范围	40-240VAC
	浪涌电流	冷启动50A@230VAC
输出	电流/电压/功率	8.3A/24VDC/200W
	波纹电流	240mVp-p
	通道	1
	电压公差	±2%
	启动延时	<2s, at230Vac
功能	调光方式	前沿 后沿切相调光
	调光范围	1-100% 变暗至关闭
保护	过温	关闭输出, 温度正常后自动恢复
	过流	打嗝, 去除故障后自恢复
	短路	锁死, 去除故障 10s 后重新上电可恢复
	过压	打嗝, 去除故障后自恢复
其它	工作温度	-25°C~50°C
	储存温度、湿度	-25°C~75°C, 5-95%RH
	tc	85°C
	材质	金属
	防水等级	IP67
	寿命	50,000h@tc:85°C
	质保	5年
	开关周期	>100,000次
	包装重量	净重: 1600g±5%/个; 10个/箱; 16.5kg±5%/箱; 外箱尺寸: 356*264*182mm(L*W*H)
尺寸	306*67*45(长*宽*高)	

产品尺寸

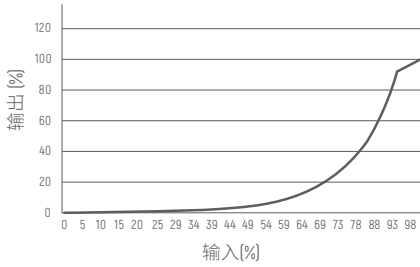


应用接线图

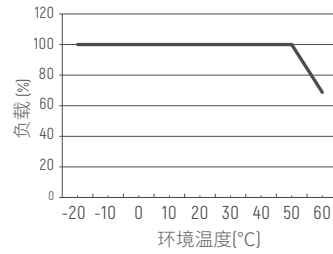
TRIAC调光旋钮



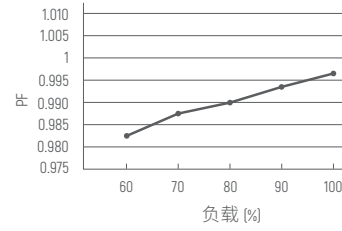
调光曲线



降额曲线



PF vs 负载



注意事项

1. 本电源应切断输入电压并由专业人员进行安装调试
2. 安装前须确认电源输出的电压电流符合灯具的规格要求
3. 本电源防水等级为IP67，不可浸泡在水中工作
4. 电源应安装在良好散热的空间与环境
5. 用于连接电源及灯具的导线面积应足够(建议小于4A/MM²)
6. 通电前，须确认所有连接正确且牢固
7. 使用过程中如发生故障，须由专业人员维修或联络供应商

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。如有疑问请与我们联系。