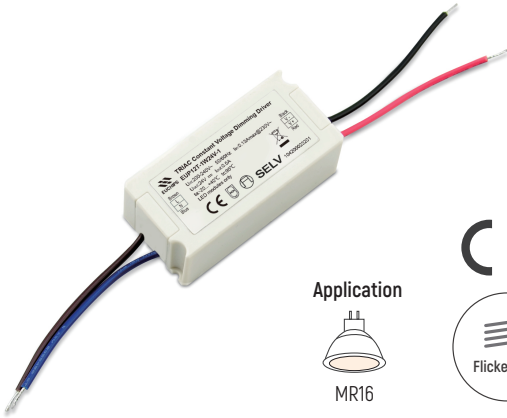


EUP12T-1W24V-1

Product Feature

- Single-channel constant voltage output,24ADC
- Support Leading edge (Triac) and Trailing edge (ELV) Dimmer
- Dimming range from 40VAC to 240V AC
- Dimming effect smooth, no flicker
- Over power protection; Over voltage protection
- Suitable for indoor LED lighting application



Application



MR16



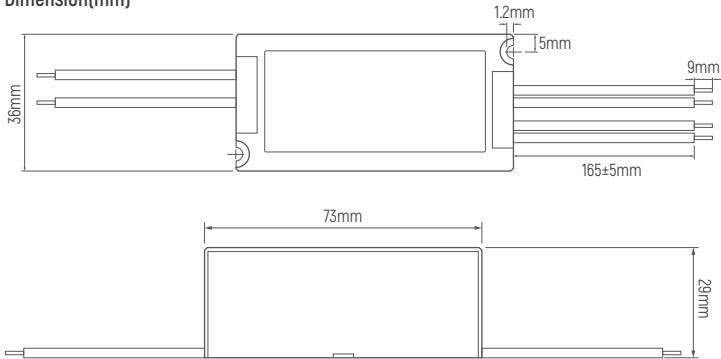
SELV



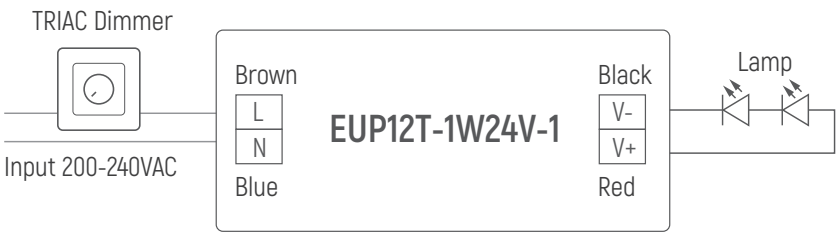
Technical Parameters

Model	EUP12T-1W24V-1		
Input	Efficiency	75%@230VAC, Full load	
	Voltage	200VAC-240VAC	
	Frequency	50/60Hz	
	Current	0.13Amax@230VAC, Full load	
	Dimming voltage range	40-240VAC	
	Inrush Current	12A @230VAC	
Output	Current	0.5A	
	Voltage	24VDC	
	Power	12W	
	Ripple Current	120mVp-p	
	Channel	1	
	Voltage Tolerance	±3%	
	Turn On Delay Time	<1s, @230Vac	
Function	Dimming Mode	Triac	ELV
Protection	Over Power	Hiccup mode, recovers after fault condition is removed	
	Over voltage	Close output, recovers after fault condition is removed	
Safety	Surge	L-N: 1kV	
	Withstand Voltage	I/P-O/P:1500V,5mA,60s	
	Safety Standards	EN61347-1 EN61347-2-13	
	Performance	EN62384	
Others	Working Temp.	-20°C~40°C	
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH	
	Tc	85°C	
	Material	PC	
	IP Rating	IP20	
	Lifetime	30,000h@tc:85°C	
	Warranty Condition	3 years	
	Switch Cycle	>15,000 times	
	Packing Size	Net weight: 60g±5%/PCS; 100PCS/Carton; 6.5kg±5%/Carton; Carton Size: 388*265*219mm[L*W*H]	
	Dimension	73*36*29mm[L*W*H]	

Dimension(mm)

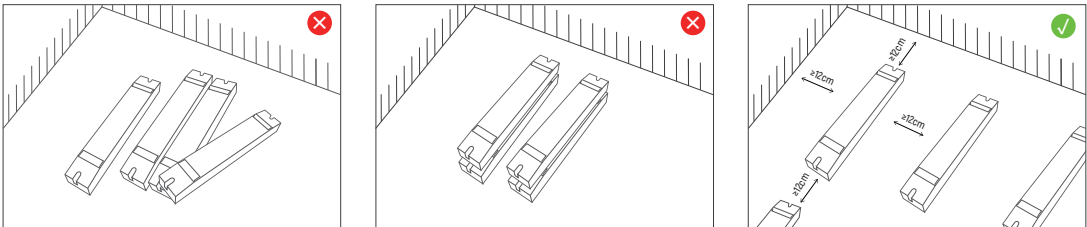


Wiring Diagram



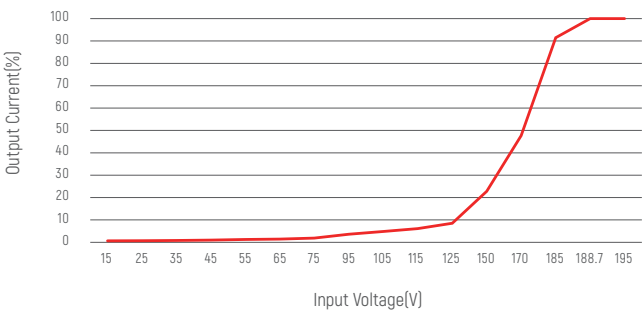
Note: For capacitive load, the larger inrush current will reduce the service life of the electrolytic capacitor. Before using this product, please contact the relevant technical personnel to match and verify.

Installation Precautions



Please do not stack the products. The distance between two products should be $\geq 12\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.

Dimming curve



Cautions

This product must be installed and adjusted by a qualified professional.		
1	Confirmation of installation conditions	· Waterproof and Protection: Install in a suitable location according to the waterproof and protection requirements of the power supply. Products without waterproof function should be protected from direct sunlight and rain. When installing outdoors, please use a waterproof box for protection. · Heat dissipation requirements: The drive power supply should avoid exposure to high temperature environments. Please ensure that the working environment temperature is within the recommended range. To ensure proper heat dissipation of the drive power supply, a well ventilated area should be selected for installation. Good heat dissipation conditions can help extend product lifespan.
2	Power check	· Before use, check the product parameters and confirm that the output voltage and current of the LED power supply meet the requirements
3	Safe wiring	· Use cables that meet the specifications to ensure that the cross-section of the wire matches the requirements of the driving power supply. Solid cables typically measuring $0.75\text{-}2.5\text{ mm}^2$, (Please refer to the silk screen printing or wiring diagram in the instruction manual for specific wire diameter requirements). · If the power supply (metal casing) is installed on a grounded lighting component or equipment, the power supply needs to be grounded. · To avoid hot swapping, power off and restart the driver before connecting the LED load.
4	Wiring confirmation	· Before power on debugging, ensure that the wiring is secure and avoid poor contact to prevent unstable current or equipment damage.
5	Repair suggestions	· If the product malfunctions, please do not repair it without authorization. If you have any questions, please contact the supplier or sales team for assistance.

※ 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 .

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

The following situations are not covered by the free warranty or replacement service:

1. Exceeding the warranty period.
2. Damage caused by human factors such as high voltage, overload, and improper operation.
3. The appearance of the product is severely damaged or deformed.
4. Normal wear and tear or aging during regular product use.
5. Damage caused by natural disasters or force majeure factors.
6. The quality inspection label of the product is damaged (QC PASS).
7. No contract or valid invoice proof signed with EUCHIPS has been provided.

※ Remedies: Repair or replacement is the only remedy provided by EUCHIPS to the customer, and EUCHIPS shall not be liable for incidental damages arising from repair or replacement, unless within the scope of applicable law.

※ Adjustment of Warranty Terms: EUCHIPS reserves the right to modify or adjust the warranty terms, which shall be published in writing.

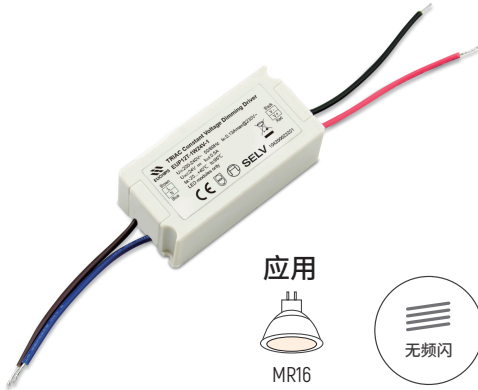
EUP12T-1W24V-1

产品特点

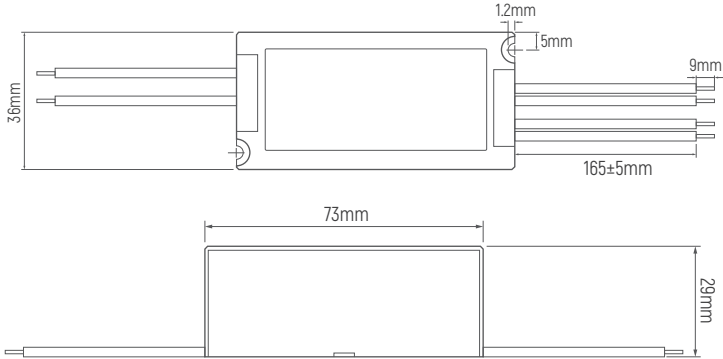
- 单通道恒压输出，输出电压为 24VDC
- 支持前沿 (Triac) 和后沿(ELV)调光
- 调光电压范围 40VAC- 240VAC
- 调光曲线平滑，无抖动
- 过功率保护；过压保护
- 适用于室内 LED 灯具

技术参数

型号	EUP12T-1W24V-1		
输入	效率	75%@230VAC, 满载	
	电压	200VAC-240VAC	
	频率	50/60Hz	
	电流	0.13Amax@230VAC, 满载	
	调光电压范围	40-240VAC	
	浪涌电流	12A @230VAC	
输出	电流	0.5A	
	电压	24VDC	
	功率	12W	
	纹波	120mVp-p	
	通道	1	
	电压精度	±3%	
	开机延时	<1s, @230Vac	
功能	调光方式	前沿	后沿可控硅
保护	过功率	打嗝, 去除故障后自恢复	
	过压	关断输出，去除故障后重启，恢复正常	
安规	雷击浪涌	L-N: 1kV	
	耐压	I/P-O/P:1500V,5mA,60s	
	安全标准	EN61347-1 EN61347-2-13	
	性能	EN62384	
其它	工作温度	-20°C~40°C	
	储存温度及湿度	-40°C~85°C, 20-90%RH	
	Tc	85°C	
	材质	PC	
	防水等级	IP20	
	寿命	30,000h@tc:85°C	
	质保	3 years	
	开关次数	>15,000 times	
	箱重尺寸	净重: 60g±5%/个; 100个/箱; 6.5 kg±5%/箱; 外箱尺寸: 388*265*219毫米[长*宽*高]	
	产品尺寸	73*36*29毫米[长*宽*高]	



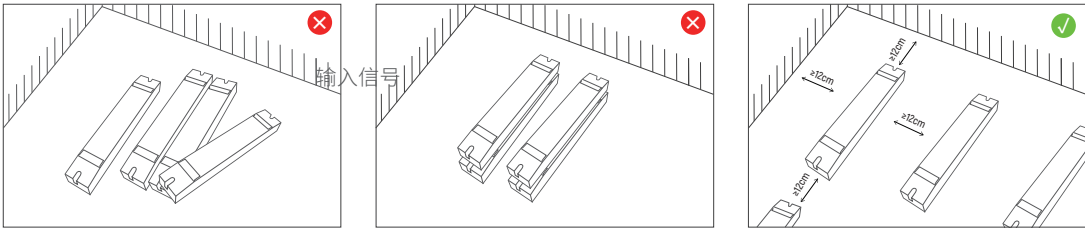
尺寸(mm)



应用接线图

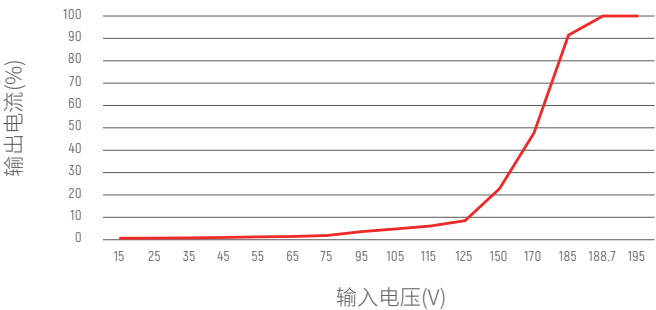


安装规范要求



请勿将产品堆叠摆放，产品与产品间隔距离应 $\geq 12\text{cm}$ ，避免影响产品散热和使用寿命。

调光曲线



注意事项

本产品应由具备专业资格的人员进行调试与安装		
1	安装条件确认	·防水与防护：根据电源的防水和防护要求，选择合适的位置安装。无防水功能的产品应避免日晒雨淋，户外安装时请使用防水箱保护。 ·散热要求：驱动电源应避免暴露在高温环境中。请确保工作环境温度在推荐范围内。为确保驱动电源正常散热，安装时应选择通风良好的地方。良好的散热条件有助于延长产品寿命。
2	电源检查	·使用前，检查产品参数，确认LED电源的输出电压、电流符合要求
3	安全接线	·需使用符合规格的线缆，确保导线的截面与驱动电源要求匹配。通常为 0.75 - 2.5 mm² 的实心线缆， [具体线径要求请参阅丝印或说明书接线图]。 ·若电源(金属外壳)安装在已接地的灯具部件或设备上，需要对电源进行接地处理。 ·避免热插拔，连接 LED 负载前应断电并重启驱动。
4	接线确认	·通电调试前，确保接线牢固，避免接触不良，以防电流不稳或设备损坏。
5	维修建议	·如产品发生故障，请勿私自维修。如有疑问，请联系供应商或销售处理。

※本说明书如有更新，恕不另行通知。如产品功能与说明书不符，以实际产品为准。

保修条例

1. **保修期**: 自产品出厂之日起, 享有 **5年保修期**。
2. **保修服务**: 在保修期内, 如因产品质量问题, 欧切斯将提供**免费修理或更换**服务。

非保修条例

以下情况不在免费保修或更换服务范围内:

1. 超出保修期。
2. 由于过高电压、超负载、操作不当等人为原因造成的损坏。
3. 产品外观严重损坏或变形。
4. 产品正常使用过程中产生的磨损或老化。
5. 自然灾害或不可抗力因素造成的损坏。
6. 产品的质量检验标签损坏 (QC PASS)。
7. 未提供与欧切斯签订的合同或有效发票凭证。

※补救措施: 修理或更换是欧切斯对客户的最唯一补救方式, 且欧切斯不承担因修理或更换产生的附带损害赔偿赔偿责任, 除非在适用法律范围内。

※保修条款的调整: 欧切斯保留修改或调整保修条款的权利, 并以书面形式发布为准。