

EUP24T-1H24V-0

Summary

EUP24T-1H24V-0 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, Dalitek etc.) to achieve a smooth dimming effect.



Product Feature

- Single channel constant voltage output,1A Max
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Dimming range from 40VAC to 240VAC
- Class 2 power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- Suitable for constant voltage LED lighting application, such as LED strip, wall washer, in-Ground lamps, flood light, and so on



Application



Wall Washer



LED Strip Light



LED Tube



Underground Light

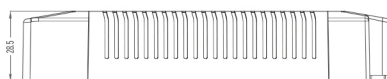
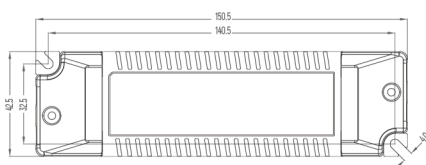


AR111 Venture Light

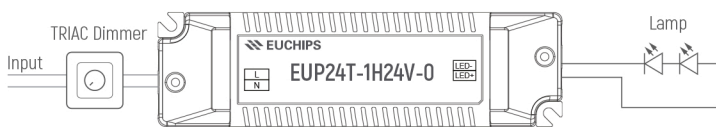
Technical Parameters

| Model | EUP24T-1H24V-0 | |
|------------|-------------------------|---|
| Input | Efficiency | 83%@230VAC, Full load |
| | Voltage | 220VAC-240VAC |
| | Frequency | 50/60Hz |
| | Power Factor | ≥0.95@230VAC, Full load |
| | THD | <20%@230VAC, Full load |
| | Current | 0.15Amax@230VAC, Full load |
| | Inrush Current | Cold start, 15A(twidth=60us measured at 50% Ipeak@230VAC) |
| Output | Current/Voltage/Power | 1A/24VDC/24W |
| | Channel | 1 |
| | Voltage Tolerance | ±3% |
| Function | Dimming Mode | Triac ELV |
| Protection | Over temperature | Shut down the output, recovers automatically when temp. back to normal. |
| | Short Circuit | Close output, recovers automatically after fault removed |
| | Over Load | Close output, recovers automatically after fault removed |
| Others | Working Temp. | -20°C~50°C |
| | Storage Temp.; Humidity | -40°C~85°C, 20-90%RH |
| | Tc | 75°C |
| | Material | PC |
| | IP Rating | IP20 |
| | Lifetime | 30,000h@tc:75°C |
| | Warranty Condition | 3 years |
| | Switch Cycle | >15,000 times |
| | Packing Size | Net weight: 150g±5%/PCS; 50PCS/Carton; 8kg±5%/Carton; Carton Size: 374*314*166mm[L*W*H] |
| Dimension | 150*43*29mm[L*W*H] | |

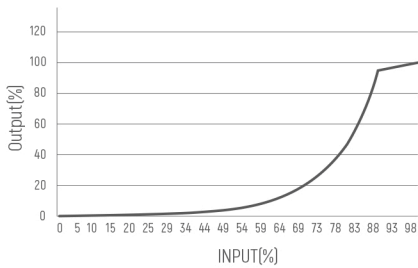
Dimension(mm)



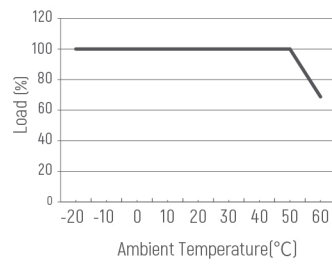
Wiring Diagram



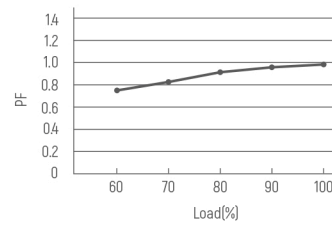
Dimming Curve



Derating Curve



PF vs Load



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.

Cautions

- 1.The product shall be installed and serviced by a qualified person.
- 2.This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4.Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
- 5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.For safety consideration, PVC or rubber cord of 0.75-1.5mm² is recommended for input and output terminal(s) . Flat power cord is not suitable. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.