

EUP40A-1H24V-1 (Product No.:103200130101)

Summary

EUP40A-1H24V-1 is a constant voltage mode output LED driver. This driver can be controlled by external signal (0/1-10V active signal, adjustable resistance and PWM signal) to achieve a smooth dimming effect.

Product Features

- Single channel constant voltage output,1.7A Max
- Support 3-in-1 dimming mode(0/1-10V active signal, adjustable resistance, PWM)
- Built-in active PFC function
- Dimming range of 0-100%, and dimming effect smooth, no flicker
- 100% output when no dimming signal input, can be used as normal power supply
- Over load protection; Over temperature protection; Short circuit protection
- Suitable for indoor LED lighting application, such as LED strips, spot light, wall washer, and so on



Application



Wall Washer



LED Strip Light



LED Tube



Underground Light



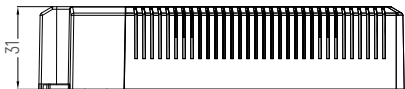
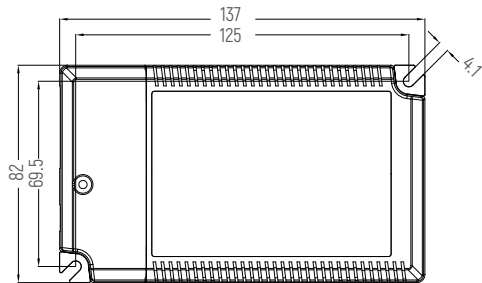
AR111 Venture Light



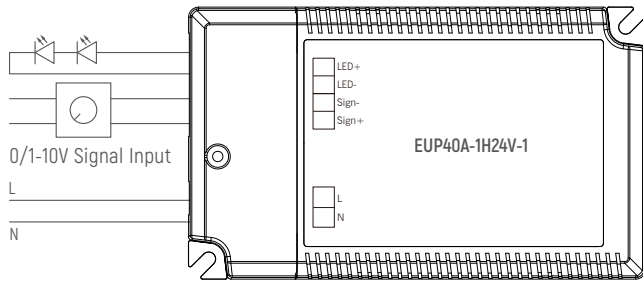
Technical Paramaters

Model	EUP40A-1H24V-1	
Input	Efficiency	>88%@230VAC, Full load
	Voltage	220VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.95@230VAC, Full load
	THD(full load)	<10%@230VAC, Full load
	AC Current(max)	0.23Amax@230VAC
	Inrush Current(max)	Cold start,30A(twidth=650us measured at 50% Ipeak) @230VAC
Output	Current / Voltage / Power	1.7A/24VDC/40.8W
	R & N (Max)	400mVp-p
	Channel	1
	Voltage Accuracy	±3%
	Turn on delay Time	<1.5s, at230Vac
Function	Dimming Type	0/1-10V active signal, adjustable resistance, PWM
	Dimming Range	1%-100% Dimming to off
Protection	Short Circuit	Close output , recovers automatically after fault removed
	Over Load	Close output , recovers automatically after fault removed
	Over temperature	SClose the output, automatically restore the normal temperature
Others	Working Temp.	-20°C~50°C
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH
	tc	90°C
	Material	PC
	IP Rating	IP20
	Lifetime	30,000h@tc:80°C
	Warranty Condition	3 years
	Switch Cycle	>15,000 times
	Packing(weight)	Net weight: 222g±5%/PCS; 50PCS/Carton;11.6kg±5%/Carton; Carton Size: 516*337*179mm(L*W*H)
	Dimension	137*82*31mm (L*W*H)

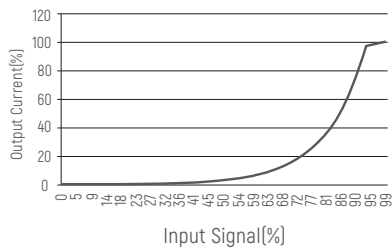
Dimension(mm)



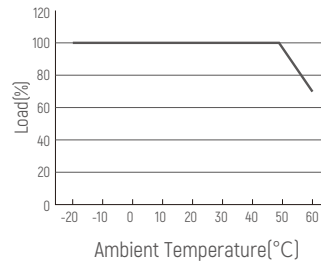
0/1-10V Wiring



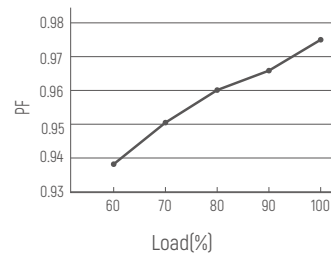
Dimming Curve



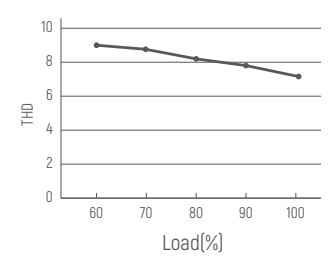
Derating Curve



PF vs Load



THD vs Load



Cautions

- 1.This product should be installed by qualified personnel.
- 2.This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 4.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 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.Due to safety concerns, PVC or rubber cord of 0.75- 1.5mm² is recommended for input and output terminal(s)(excluding signal terminals). 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.In case of malfunction, do not repair it yourself.