

EUP20M-1HMC-0(Product No.:101100002101)

Summary

EUP20M-1HMC-0 is a constant output mode LED driver. The output current can be easily set via DIP switch, and the driver can be adjusted by DMX512/RDM to achieve the smooth dimming effect.



Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support DMX512/RDM
- Wide range of input voltage 200VAC ~ 240VAC
- Built-in active PFC function
- Class 2 power supply. Full protective plastic housing
- 100% output when no dimming signal input, can be used as normal power supply
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- Suitable for indoor LED lighting application, such as down light, spotlights, panel light, and so on



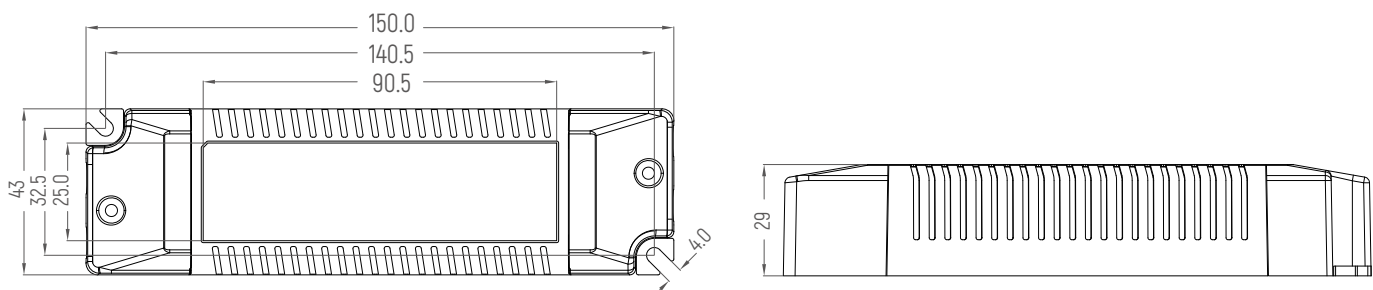
Application



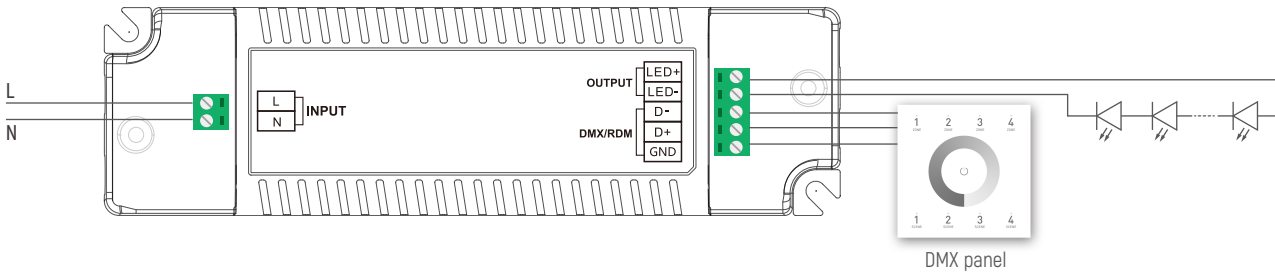
Technical Parameters

Model	EUP20M-1HMC-0				
Input	Efficiency	82%@230VAC,Full load			
	Voltage	200VAC-240VAC			
	Frequency Range(Hz)	50/60Hz			
	Power Factor	≥0.95@230VAC,Full load			
	AC Current(max)	0.12Amax@230VAC			
	Inrush Current(max)	Cold start,15A(twidth=22us measured at 50% Ipeak) @230VAC			
Output	Current(mA)/Voltage (VDC) Power(W)	350mA/3-40VDC/14W	500mA/3-40VDC/20W	550mA/3-36VDC/19.8W	700mA/3-28VDC/19.6W
	Output LF current ripple(< 120 Hz)	<3%			
	Channel	1			
	Current Tolerance	±7%			
	No load output voltage	50V Max			
Function	Dimming Type	DMX512/RDM			
Protection	Short Circuit	Shut down the output, recovers automatically when temp. back to normal.			
	Over Load	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.			
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			
	Packing(weight)	Net weight: 120g±5%/PCS; 50PCS/Carton; 6.5kg±5%/Carton; Carton Size: 319*254*136mm(L*W*H)			
	Dimension	150*43*29mm (L*W*H)			

Dimension(mm)



Wiring

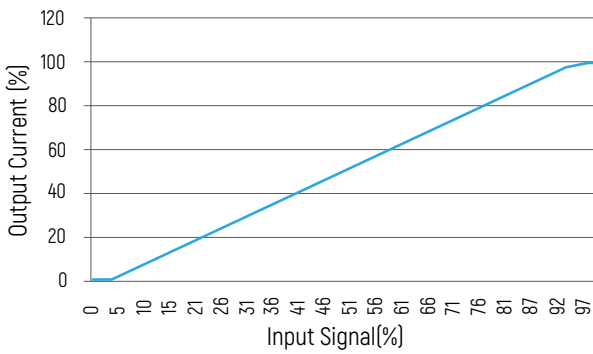


Current Selection Table

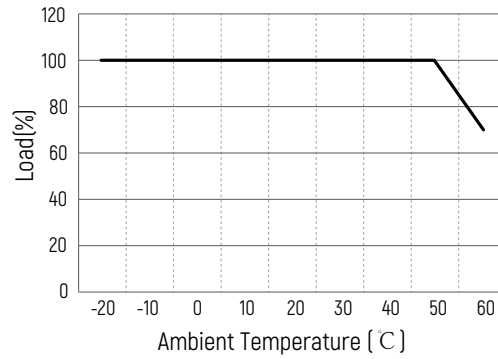
Current	DIP-1	DIP-2
350mA	OFF	OFF
500mA	ON	OFF
550mA	OFF	ON
700mA	ON	ON

Remark: Function default setting is: 350mA (@switch are all OFF state)

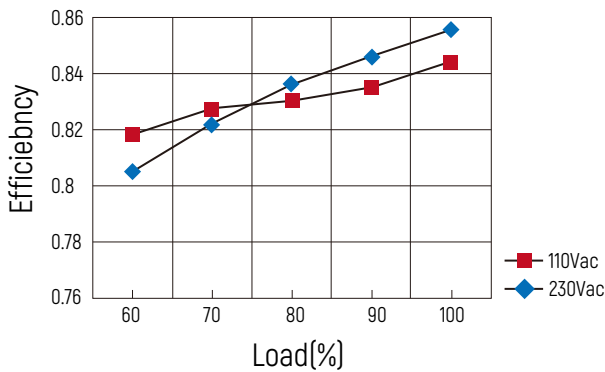
Dimming Curve



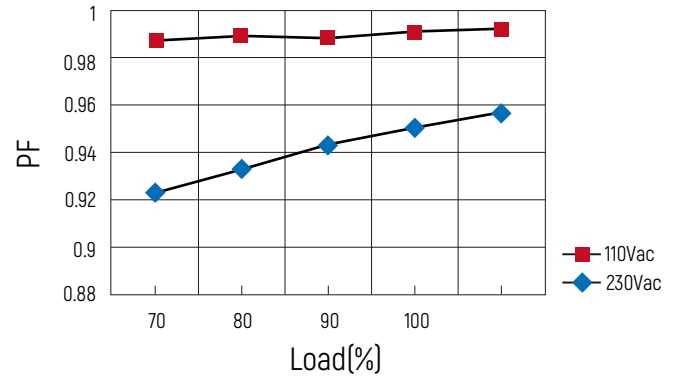
Derating Curve



Efficiency vs load



PF 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.

※ 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 .