

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



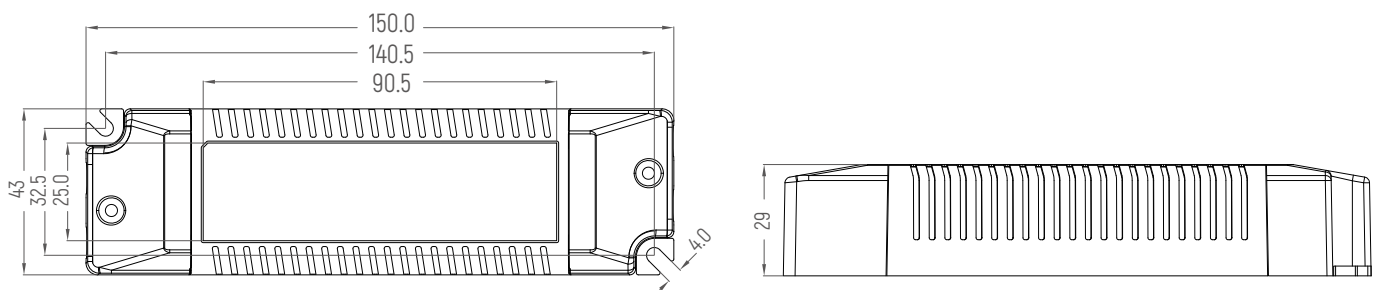
Application



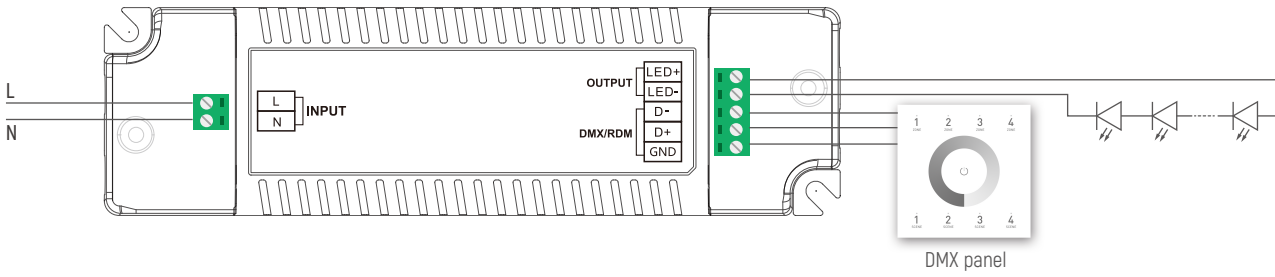
Technical Parameters

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)	0.15Amax@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

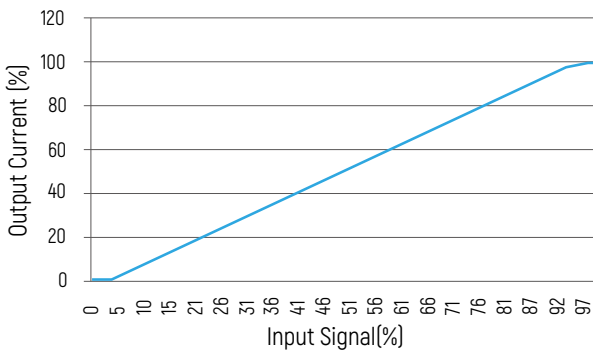


Current Selection Table

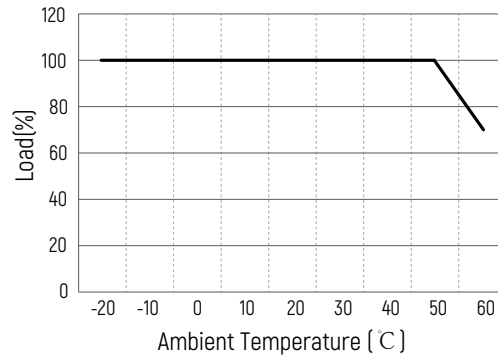
Current	DIP-1	DIP-2
350mA	OFF	OFF
500mA	ON	OFF
550mA	OFF	ON
700mA	ON	ON

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

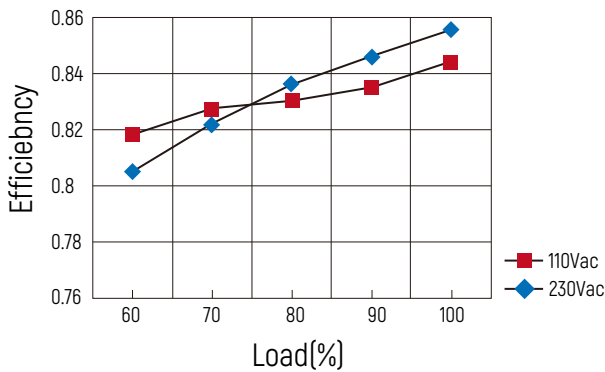
Dimming Curve



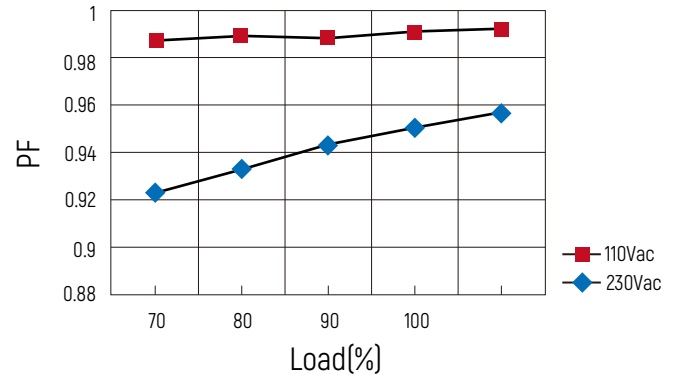
Derating Curve



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 .

EUP20M-1HMC-0 (产品代码:101100002101)

概述

EUP20M-1HMC-0 是一款可以提供350/500/550/700mA 3档电流的LED驱动器，输出电流可以通过DIP 拨码开关简易设置，可以通过DMX512/RDM 控制实现平滑的调光效果。



产品特点

- 单通道恒流输出，多级电流可选
- 标准DMX512/RDM 协议控制
- 宽电压输入：200VAC ~ 240VAC
- 内建主动式PFC
- Class 2 电源, 全防护塑胶外壳
- 信号悬空时，满载输出，可作为常规电源使用
- 调光曲线平滑，无闪烁
- 短路保护，过载保护，过温保护
- 适用于LED 室内灯具,比如筒灯, 射灯, 面板灯等



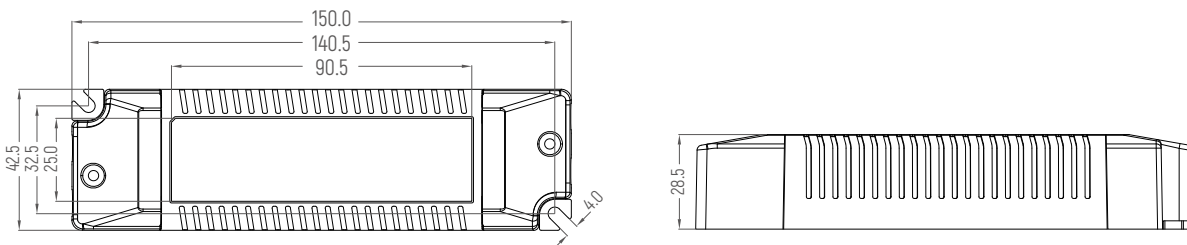
应用



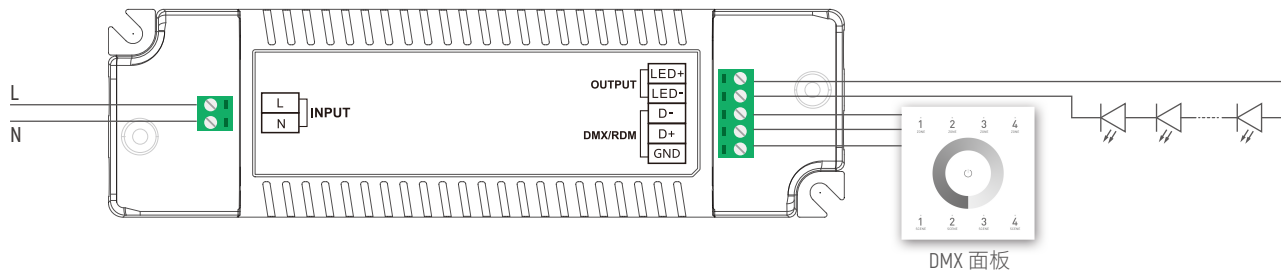
技术参数

型号	EUP20M-1HMC-0				
输入	效率	82%@230VAC, 满载			
	电压	200VAC-240VAC			
	频率	50/60Hz			
	功率因素	≥0.95@230VAC, 满载			
	电流	0.15Amax@230VAC			
	浪涌电流	冷启动15A(在50%Ipeak 下测试twidth=22us)@230VAC			
输出	电流/电压/功率	350mA/3-40VDC/14W	500mA/3-40VDC/20W	550mA/3-36VDC/19.8W	700mA/3-28VDC/19.6W
	低频电流纹波 (<120Hz)	<3%			
	通道	1			
	电流精度	±7%			
	空载输出电压	50V Max			
功能	调光方式	DMX512/RDM			
保护	短路	关断输出，移除故障后自恢复			
	过载	超过输出电压时，输出电流下降，减轻负载自动恢复			
其它	工作温度	-20°C~50°C			
	储存温度、湿度	-40°C~85°C, 20-90%RH			
	tc	90°C			
	材质	PC			
	防水等级	IP20			
	包装尺寸(重量)	净重: 120g±5%/PCS; 50PCS/Carion; 6.5kg±5%/箱; 外箱尺寸: 319*254*136cm[长*宽*高]			
	尺寸	150*43*29mm (长*宽*高)			

尺寸(mm)



接线图

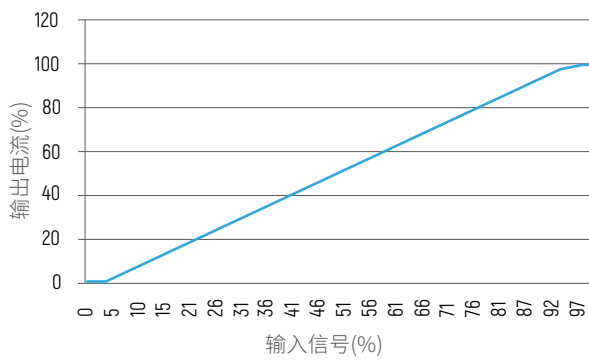


电流选择表

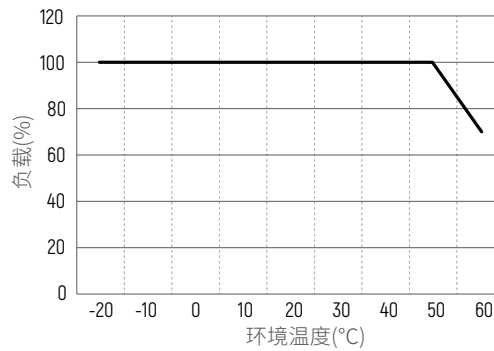
Current	DIP-1	DIP-2
350mA	OFF	OFF
500mA	ON	OFF
550mA	OFF	ON
700mA	ON	ON

备注：出厂默认设置电流为350mA（1, 2 在OFF 状态）

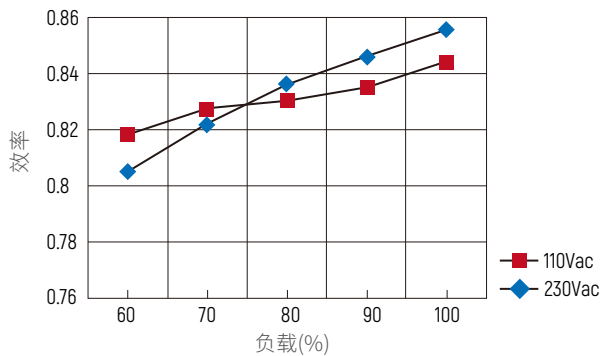
调光曲线



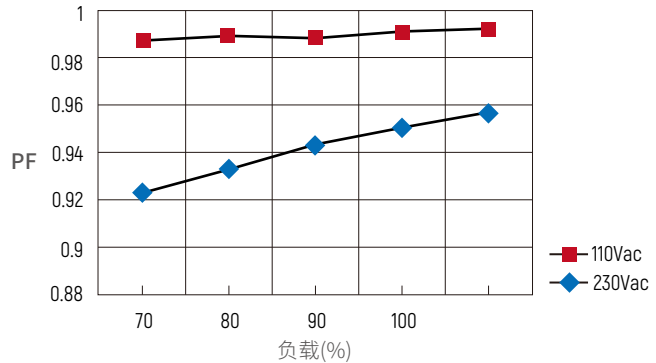
降额曲线



效率VS 负载



PF VS 负载



注意事项:

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 4、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 5、出于安全考虑，推荐输入和输出（信号端除外）用0.75-1.5mm² PVC或橡胶线缆，并确保接线牢固，以免电线过热或接触不良触发事故。扁平电源线不适用。
- 6、通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
- 7、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 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。