EUP50M-1WMC-0 (Product No.:101100032101)

Summary

EUP50M-1WMC-0 is a 50W AC/DC constant current mode output LED driver featuring the multiple levels selectable by DIP switch and complies with DMX512(1990). EUP50D-1WMC-0 can be connected to DMX main controller or RDM controller to achieve a smooth dimming effect.

Product Features

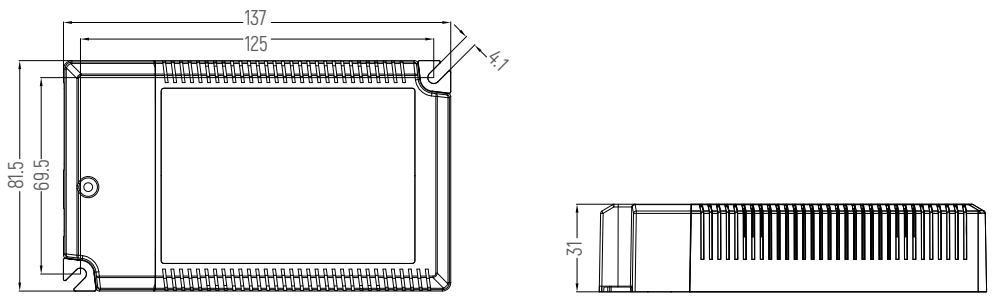
· Single channel output, output current level selectable by DIP S.W.
· Meet DMX512(1990)
· Support RDM function
· Wide input voltage of 100VAC ~ 240VAC
· High efficiency up to 88%
· Built-in active PFC function
· Dimming effect smooth, no flicker
· Protections: over load, short circuit
· Suitable for indoor LED lighting application, such as down light, panel light, and so on

Application

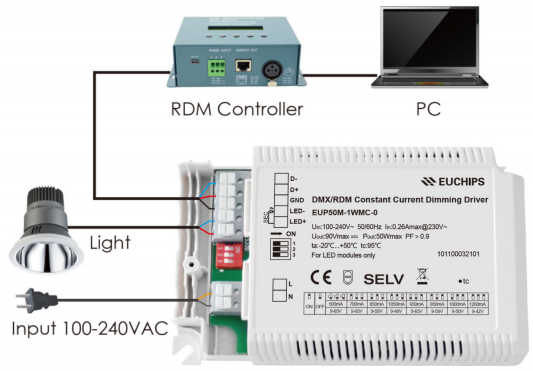
Technical Paramaters

Model	EUP50M-1WMC-0	
Input	Efficiency	88%@230VAC,full load
	Voltage	100VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.9@230VAC,75%-100% load
	Current	0.26Amax@230VAC
	THD	＜10%@230VAC,full load
	Inrush current	Cold start,30A(twidth=22us measured at 50% Ipeak) @230VAC
Output	Current(mA) Voltage (VDC) Power(W)	500mA/9-65V/32.5W 650mA/9-65V/42.2W 700mA/9-65V/45.5W 850mA/9-59V/49.3W 1000mA/9-50V/50W *850mA/9-59V/49.3W 1050mA/9-48V/50.4W 1200mA/9-42V/50.4W
	Channel	1
	Current Tolerance	±5% (500mA +7%, 650mA +10%, *850mA +7%)
	Max Output Voltage	90VDC
	Output LF current ripple(< 120 Hz)	＜3%
Function	Dimming Mode	DMX512 dimming
Protection	Over load	Hiccup, recovers automatically after fault removed
	Short circuit	Shut down the output, recovers automatically after fault removed
Others	Working Temp.	-20°C~50°C
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH
	tc	95°C
	Material	Metal
	IP Rating	IP20
	Lifetime	30,000h@tc:95°C
	Warranty Condition	3 years
	Switch Cycle	>15,000 tims
	Packing(weight)	Net weight: 225g±5%/PCS; 50PCS/Carton;11.75kg±5%/Carton; Carton Size: 517*337*179mm(L*W*H)
	Dimension	137*82*31mm(L*W*H)

Dimension(mm)



Wiring

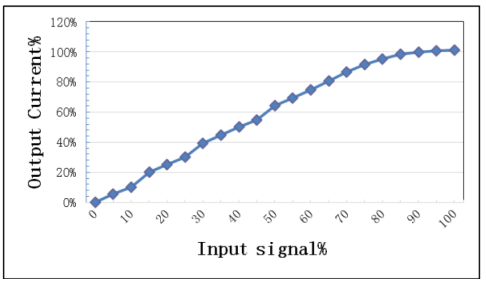


Current Selection Table

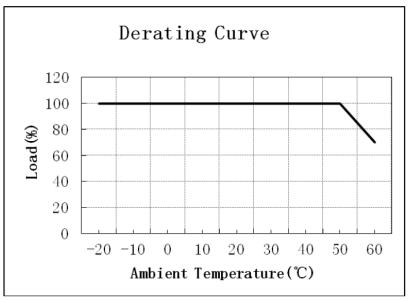
ON	OFF	500mA	700mA	850mA	1050mA
		9-65V	9-65V	9-59V	9-48V
ON	OFF	650mA	*850mA	1000mA	1200mA
		9-65V	9-59V	9-50V	9-42V

Remark: Function default setting is: 500mA (@switch are all OFF state)

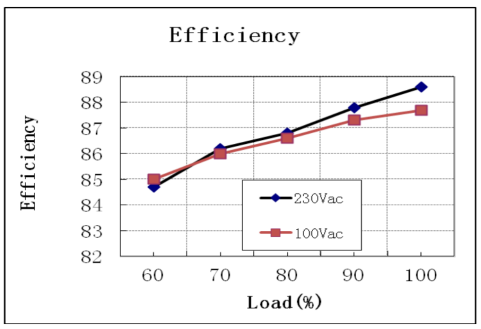
Dimming Curve



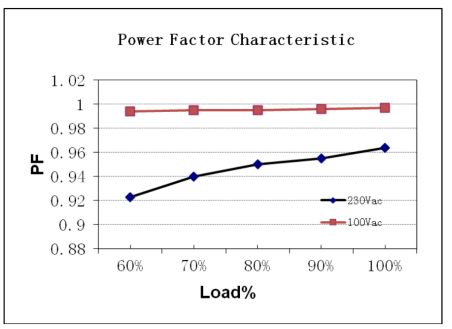
Derating Curve



Efficiency VS Load



PF VS Load



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 0.75-2.5mm2 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. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by 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 .

EUP50M-1WMC-0 (产品代码:101100032101)

概述

EUP50M-1WMC-0 是一款可以提供 500/650/700/850/1000/1050/1200mA 7 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 DMX 主控或 RDM 主控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
- 遵循标准 DMX512(1990)
- 支持 RDM 写码功能
- 宽电压输入：100VAC ~ 240VAC
- 效率高达 88%
- 内建主动式 PFC 功能
- 过载保护，短路保护
- 适用于 LED 室内灯具,比如筒灯，面板灯等

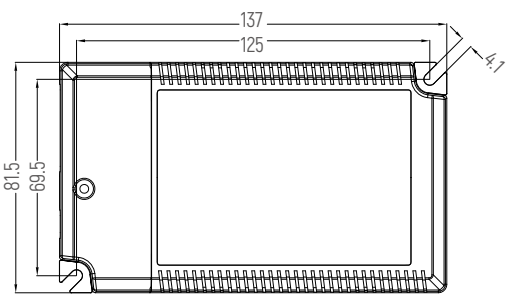
应用

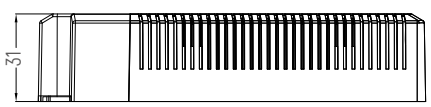
筒灯　面板灯　射灯　吸顶灯　装饰灯　落地灯　投光灯

技术参数

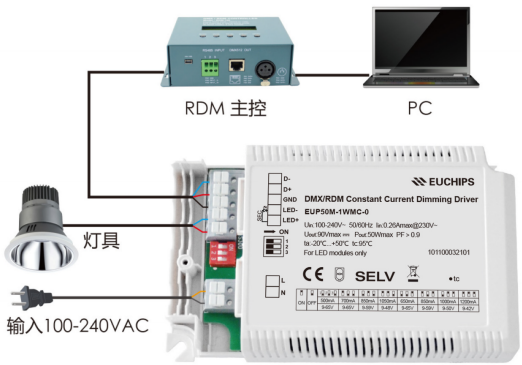
型号	EUP50M-1WMC-0	
输入	效率	88%@230VAC，满载
	电压	100VAC-240VAC
	频率	50/60Hz
	电流	0.26Amax@230VAC
	THD	＜10%@230VAC，满载
	功率因素	≥0.9@230VAC，75%-100%负载
	浪涌电流	冷启动 30A(在 50%Ipeak 下测试 twidth=22us)@230VAC
输出	电流/电压/功率	500mA/9-65V/32.5W　650mA/9-65V/42.2W　700mA/9-65V/45.5W　850mA/9-59V/49.3W 1000mA/9-50V/50W　*850mA/9-59V/49.3W　1050mA/9-48V/50.4W　1200mA/9-42V/50.4W
	通道	1
	电流精度	±5% (500mA +7%, 650mA +10%, *850mA +7%)
	最大输出电压	90VDC
	低频电流纹波（＜120Hz）	＜3%
功能	调光方式	DMX512/RDM
保护	过载保护	打嗝，故障去除后自恢复
	短路保护	关断输出，故障去除自恢复
其它	工作温度	-20°C~50°C
	储存温度、湿度	-40°C~85°C, 20-90%RH
	tc	95°C
	材质	PC
	防水等级	IP20
	寿命	30,000小时@tc:95°C
	质保	3年
	开关周期	>15,000次
	包装尺寸(重量)	净重: 225g±5%/PCS; 50PCS/Carton; 11.75kg±5%/箱; 外箱尺寸: 517*337*179mm(长*宽*高)
	尺寸	137*82*31mm（长*宽*高）

尺寸(mm)





接线图

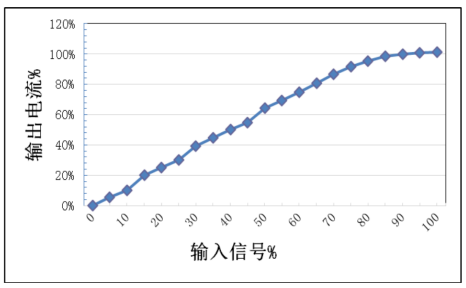


电流选择表

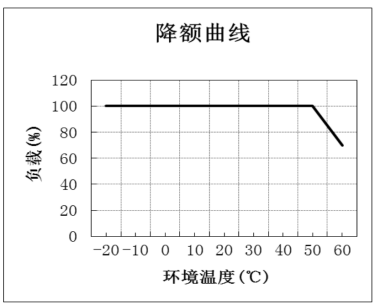
		1 2 3			
ON	OFF	500mA	700mA	850mA	1050mA
		9-65V	9-65V	9-59V	9-48V
ON	OFF	650mA	*850mA	1000mA	1200mA
		9-65V	9-59V	9-50V	9-42V

备注：出厂默认设置电流为500mA(1,2,3在OFF状态)

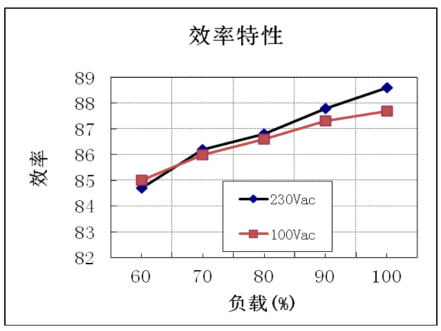
调光曲线



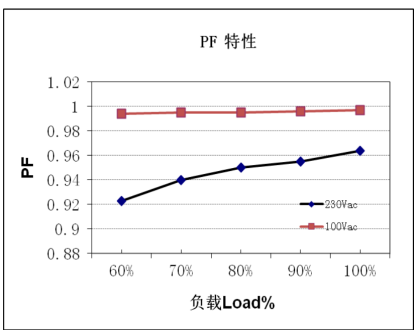
降额曲线



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0.75-2.5mm2PVC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。

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