

EUP12A-1HMC-200

Summary

EUP12A-1HMC-200 is a can provide 200/220/240/260/280/300/320/350mA eight current LED driver.The output current can be easily set by DIP switch, external 0/1-10V active signal, adjustable resistance, PWM signal to achieve smooth dimming; When the external signal is not connected, it can be used as a conventional power supply.

Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support 3-in-1 dimming mode(0/1-10V active signal, adjustable resistance, PWM)
- High input voltage of 220VAC ~ 240VAC
- High efficiency up to 78%
- 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, spot light, and so on



Application

Downlight

Panel Light

Spotlight

Ceiling Light

Decorative Light

Floor Light

Flood Light





Technical Paramaters

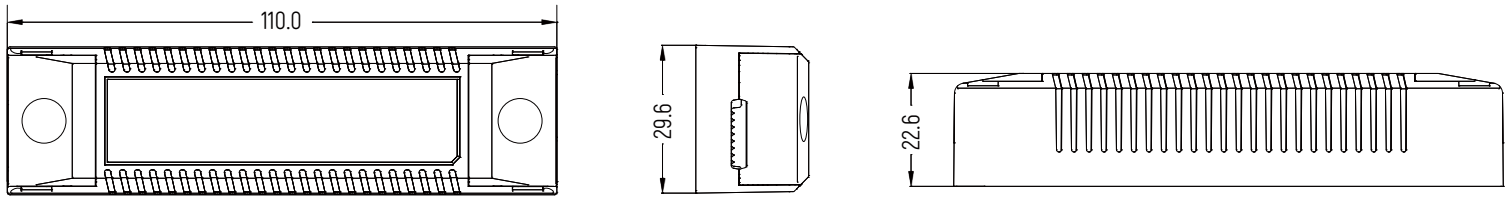
Model	EUP12A-1HMC-200																																																															
Input	Efficiency	78%@230VAC, Full load																																																														
	Voltage	220VAC-240VAC																																																														
	Frequency Range(Hz)	50/60Hz																																																														
	Power Factor	>0.5@230VAC, Full load																																																														
	AC Current(max)	0.13Amax@230VAC																																																														
	No load power	≤1.5W																																																														
	Turn on delay Time	≤ 0.75s, at230Vac (When the light begins to shine)																																																														
	Inrush Current(max)	Cold start,10A(twidth=103us at 50%Ipeak)@230VAC																																																														
Output	Current(mA)/Voltage (VDC) Power(W)	200mA/9-42VDC/8.4W 280mA/9-42VDC/11.76W	220mA/9-42VDC/9.24W 300mA/9-40VDC/11.99W	240mA/9-42VDC/10.08W 320mA/9-38VDC/11.99W	260mA/9-42VDC/10.92W 350mA/9-34VDC/11.9W																																																											
	Output Voitage	9-42V	Current Selection Table <table><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>200mA</td><td>220mA</td><td>240mA</td><td>260mA</td><td>280mA</td><td>300mA</td><td>320mA</td><td>350mA</td><td colspan="4"></td></tr><tr><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td></tr><tr><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-40VDC</td><td>9-38VDC</td><td>9-34VDC</td><td colspan="4" rowspan="2"></td></tr><tr><td colspan="12">Remark: Function default setting is: 200mA (@switch are all OFF state)</td></tr></table>			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	200mA	220mA	240mA	260mA	280mA	300mA	320mA	350mA					ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-40VDC	9-38VDC	9-34VDC					Remark: Function default setting is: 200mA (@switch are all OFF state)										
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200mA	220mA	240mA	260mA	280mA	300mA	320mA	350mA																																																									
ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF																																																					
9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-40VDC	9-38VDC	9-34VDC																																																									
Remark: Function default setting is: 200mA (@switch are all OFF state)																																																																
Channel	1																																																															
Current Tolerance	±5%																																																															
Standby Power	<1.5W																																																															
No load output voltage	60V Max																																																															
Function	Dimming Type	0/1-10V active signal, adjustable resistance, PWM signal																																																														
	Dimming Range	0.1%-100% darken until closed																																																														
	Dimming curve	Linearity																																																														
Protection	Over load	Current down, troubleshooting output normal																																																														
	Short circuit	Short circuit No output, troubleshooting output normal																																																														
	over temperature	Turn off the output and automatically resume when the temperature returns to normal																																																														
Others	Working Temp.	-20°C~50°C																																																														
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH																																																														
	tc	80°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: 62g±5%/PCS; 100PCS/Carton; 6.7kg±5%/Carton; Carton Size: 515*235*140mm(L*W*H)																																																														
	Dimension	110*30*22mm(L*W*H)																																																														

User’s manual: 2024.06

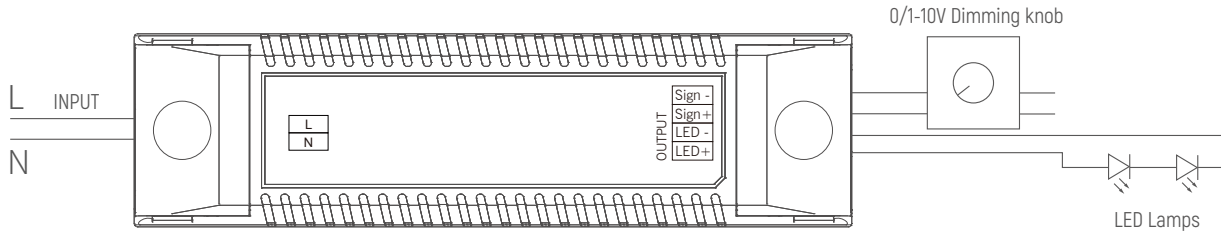
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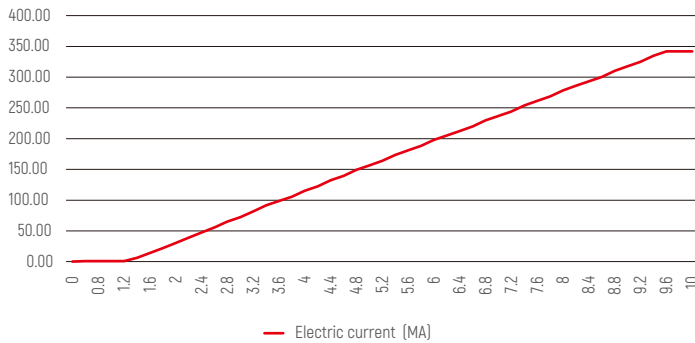
Dimension(mm)



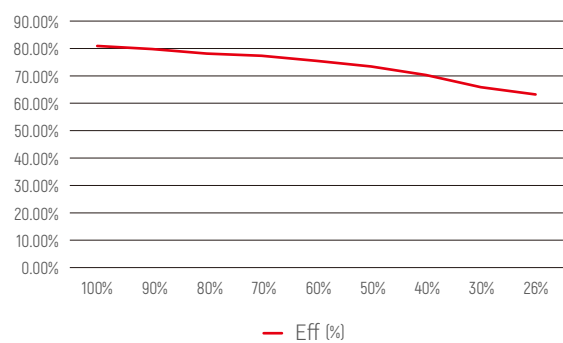
Wiring diagram



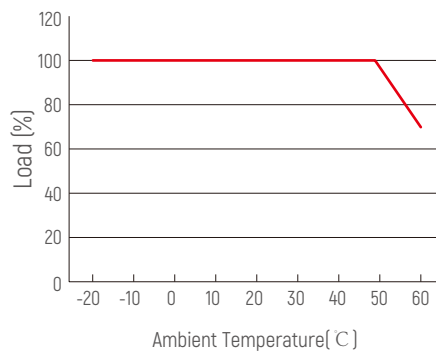
Dimming Curve



EFF VS Load



Derating curve



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 .

EUP12A-1HMC-200

概述

EUP12A-1HMC-200是一款可以提供200/220/240/260/280/300/320/350mA 8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，可以通过外部0/1-10V有源信号，可调电阻，PWM信号实现平滑调光；当不接外信号时，可作为常规电源使用。

产品特点

- 单通道恒流输出，多级电流可选
- 支持三合一调光（0/1-10V有源信号，可调电阻，PWM信号）
- 高电压输入：220VAC ~ 240VAC
- 效率高达 78%
- 信号悬空时，满载输出，可作为电源使用
- 过载保护，短路保护，过温保护
- 适用于LED室内灯具,比如筒灯，射灯、面板灯等



应用



筒灯



面板灯



射灯



吸顶灯



装饰灯



落地灯



投光灯

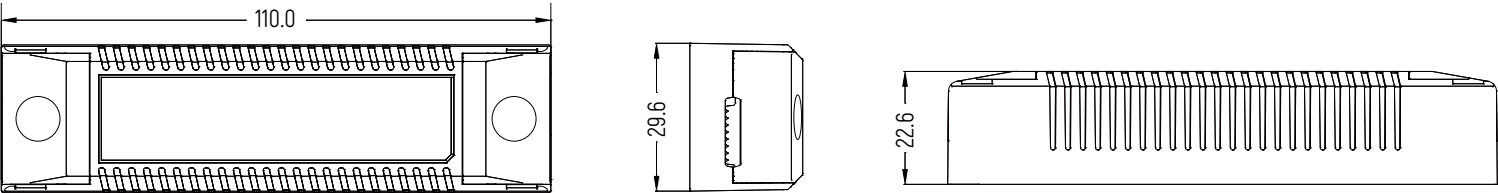




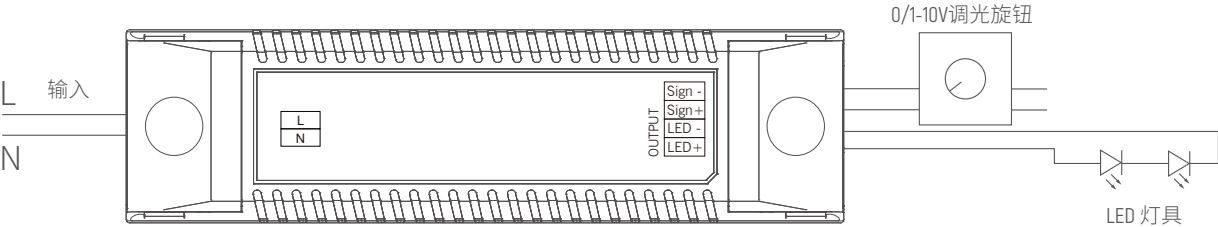
技术参数

型号	EUP12A-1HMC-200																								
输入	效率	78%@230VAC, 满载																							
	电压	220VAC-240VAC																							
	频率	50/60Hz																							
	功率因素	>0.5@230VAC, 满载																							
	电流	0.13Amax@230VAC																							
	空载功耗	≤1.5W																							
	启动延时	≤ 0.75s, at230Vac (当灯光开始亮起)																							
	浪涌电流	冷启动,10A[在 50%Ipeak 下测twidth=103us)@230VAC																							
输出	电流/电压/功率	200mA/9-42VDC/8.4W 280mA/9-42VDC/11.76W	220mA/9-42VDC/9.24W 300mA/9-40VDC/11.99W	240mA/9-42VDC/10.08W 320mA/9-38VDC/11.99W	260mA/9-42VDC/10.92W 350mA/9-34VDC/11.9W																				
	输出电压范围	9-42V	电流选择表 <table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>ON</td><td>OFF</td><td>200mA 9-42VDC</td><td>220mA 9-42VDC</td><td>240mA 9-42VDC</td><td>260mA 9-42VDC</td><td>280mA 9-42VDC</td><td>300mA 9-40VDC</td><td>320mA 9-38VDC</td><td>350mA 9-34VDC</td></tr></table> 备注：出厂默认设置电流为200mA(1,2,3在OFF状态)													ON	OFF	200mA 9-42VDC	220mA 9-42VDC	240mA 9-42VDC	260mA 9-42VDC	280mA 9-42VDC	300mA 9-40VDC	320mA 9-38VDC	350mA 9-34VDC
	ON	OFF				200mA 9-42VDC	220mA 9-42VDC	240mA 9-42VDC	260mA 9-42VDC	280mA 9-42VDC	300mA 9-40VDC	320mA 9-38VDC	350mA 9-34VDC												
	通道	1																							
	电流精度	±5%																							
	待机功耗	<1.5W																							
空载输出电压	60V Max																								
功能	调光方式	0/1-10V有源信号，可调电阻，PWM信号																							
	调光范围	0.1%-100% 变暗直至关闭																							
	调光曲线	线性																							
保护	过负载	电流下降，排除故障输出正常																							
	短路	短路无输出，排除故障输出正常																							
	过温保护	关断输出, 当温度恢复正常时自动恢复																							
其它	工作温度	-20°C~50°C																							
	储存温度、湿度	-40°C~85°C, 20-90%RH																							
	tc	80°C																							
	材质	PC																							
	防水等级	IP20																							
	寿命	30,000小时@tc:80°C																							
	质保	3年																							
	开关周期	>15,000次																							
	包装尺寸(重量)	净重: 62g±5%/个; 100个/箱; 6.7kg±5%/箱; 外箱尺寸: 515*235*140mm(L*W*H)																							
	尺寸	110*30*22mm(长*宽*高)																							

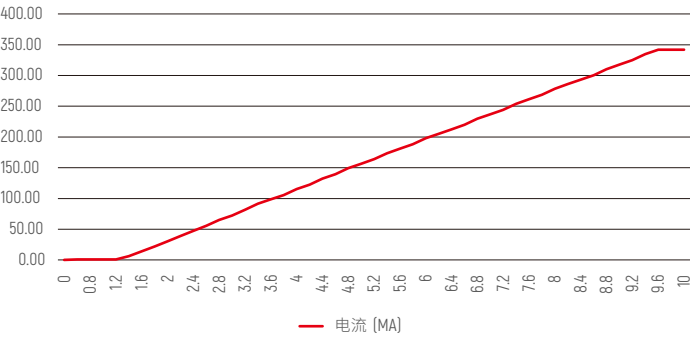
尺寸(mm)



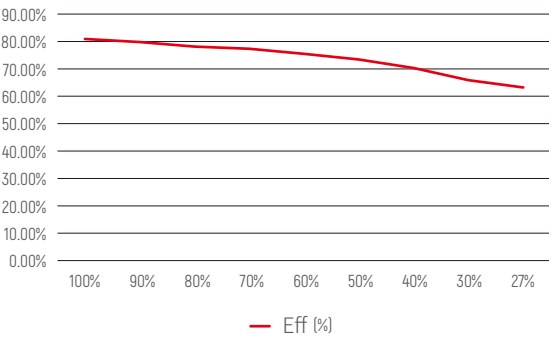
接线图



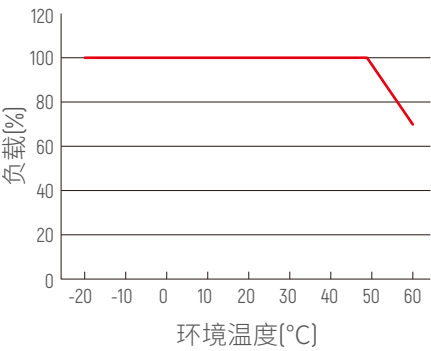
调光曲线



效率 VS 负载



降额曲线



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，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。