

## EUP40D-2HMC-0(Product No.:102100300101)

### Summary

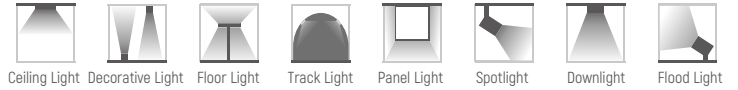
EUP40D-2HMC-0 is a LED controller that provides two channels outputs.The user can select the total output current via DIP switch.It supports DALI standard protocol and adjustment of brightness and colour temperature.

### Product Features

- Meet DALI Protocol IEC 62386 DT8
- SELV. Full protective plastic housing
- High efficiency up to 87 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- The positive output of the two channels is common
- Supports adjustment of brightness and colour temperature.



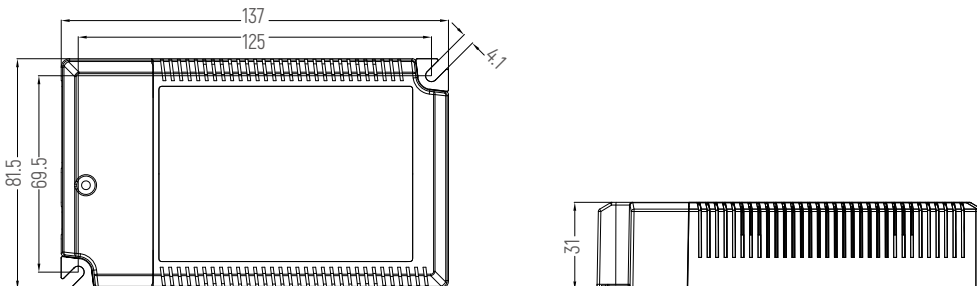
### Application



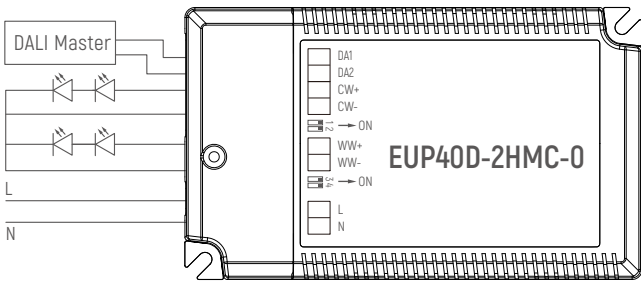
### Technical Parameters

Model	EUP40D-2HMC-0			
Input	Efficiency	87%@230VAC,Full load		
	Voltage	220VAC-240VAC		
	Frequency Range(Hz)	50/60Hz		
	Power Factor	≥0.95@230VAC,Full load		
	THD(full load)	<15%@230VAC, Full load		
	AC Current(max)	0.2Amax@230VAC		
	Standby power	<0.5W		
	Inrush Current(max)	Cold start,12A(twidth=50us measured at 50% Ipeak)@230VAC		
Output	Current(mA)/Voltage (VDC) Power(W)	600mA/9-42VDC/25.2W	700mA/9-42VDC/29.4W	800mA/9-42VDC/33.6W
	Output Lf Current Ripple(<120hz)	<3%		
	Channel	2		
	Current Tolerance	±5%		
	No load output voltage	50VDC		
Function	Dimming Type	DALI Dimming		
	Brightness Range	0.1%-100% Dimming to off		
	Color Temperature	3000-6000K		
Protection	Over Temperature	When tc exceeds 105°C,shut down the output, recoversautomatically, when temp. back to 85°C		
	Over load	Hiccup, when the output power exceeds the rated power of 100-120%,then,recoversautomatically after fault removed		
	Short Circuit	Close output , recovers automatically after fault removed		
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	50,000h@tc:75°C		
	Warranty Condition	5 years		
	Switch Cycle	>100,000 times		
	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)

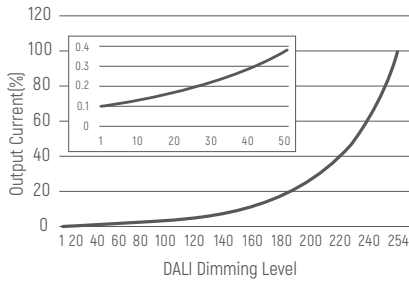


## DALI Wiring

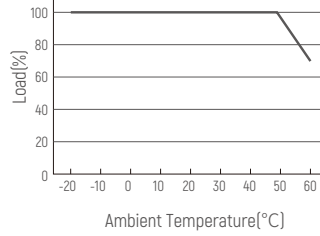


Note: When the DALI signal is not connected, the output power of WW (warm light) channel is full, while that of CW (cold light) channel is not.

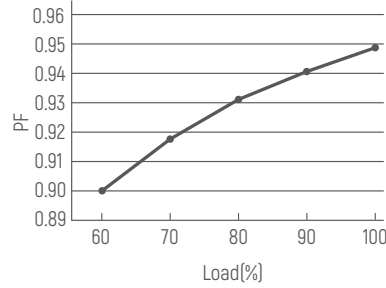
Dimming Curve



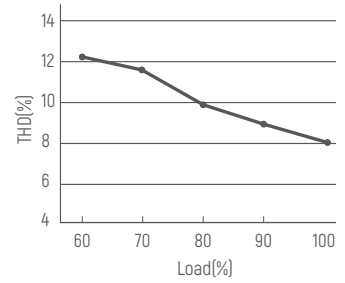
Derating Curve



PF vs load



THD vs Load



Current Selection Table

Current	CW-1	CW-2	WW-1	WW-2
600mA	ON	OFF	ON	OFF
700mA	OFF	ON	OFF	ON
800mA	ON	ON	ON	ON

## 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.Due to safety concerns, cables for input and output terminal(s) must meet the following requirements: Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 6.The max quantity of drivers that connect to MCB type B16A is 80.
- 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 .

EUP40D-2HMC-0(产品代码:102100300101)

### 概述

EUP40D-2HMC-0 是一款可以提供两路输出的LED驱动器. 用户可以通过拨码开关选择输出电流, 电源的总输出功率为34W/800mA. 并且, 每路都可以输出最大34W/800mA. 支持DALI标准协议, 可以同时实现亮度和色温调节. 曲线平滑、无闪烁.



### 产品特点

- 符合DALI标准协议IEC 62386 DT8
- Class 2电源, 全防护塑胶外壳
- 内建主动式PFC
- 高效率达87%
- 调光曲线平滑, 无闪烁
- 短路保护, 过载保护, 过温保护
- 共阳极输出, 用于调节LED灯具的色温和亮度



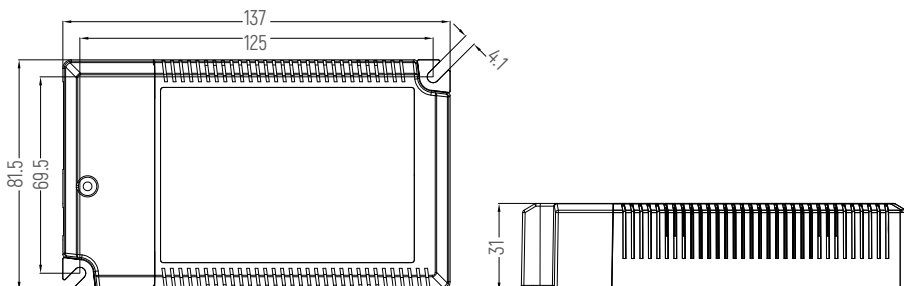
### 应用



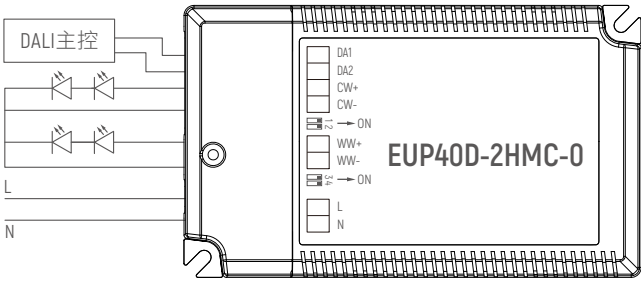
### 技术参数

型号	EUP40D-2HMC-0			
输入	效率	87%@230VAC, 满载		
	电压	220VAC-240VAC		
	频率	50/60Hz		
	功率因素	≥0.95@230VAC, 满载		
	THD	<15%@230VAC, 满载		
	电流	0.2Amax@230VAC		
	待机功耗	<0.5W		
	浪涌电流	冷启动12A(在50%Ipeak下测试twidth=50us)@230VAC		
输出	电流/电压/功率	600mA/9-42VDC/25.2W	700mA/9-42VDC/29.4W	800mA/9-42VDC/33.6W
	低频电流纹波(<120Hz)	<3%		
	通道	2		
	电流公差	±5%		
	空载输出电压	50VDC		
功能	调光方式	DALI 调光		
	调光范围	0.1%-100% 变暗直至关闭		
	色温范围	3000-6000k		
保护	短路	关断输出, 移除故障后自恢复		
	过载	输出电压超过额定值时, 输出电流降低, 故障去除后正常工作		
	过温	关闭输出, 温度恢复后, 电源正常工作		
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		
	寿命	50,000小时@tc:75°C		
	质保	5年		
	开关周期	>100,000次		
	包装尺寸(重量)	净重: 225g±5%/PCS; 50PCS/ Carton; 11.7kg±5%/箱; 外箱尺寸: 517*337*179cm[长*宽*高]		
尺寸	137*82*31mm (长*宽*高)			

### 尺寸(mm)

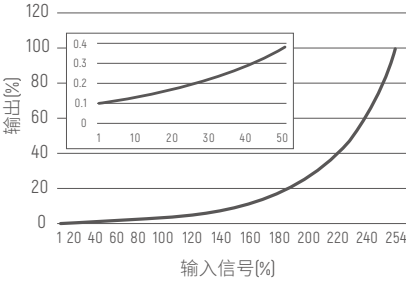


## 接线图

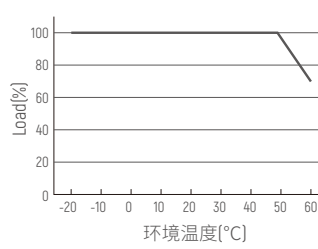


备注: 不接DALI信号时, 输出WW(暖光)通道输出满功率, CW(冷光)通道无输出.

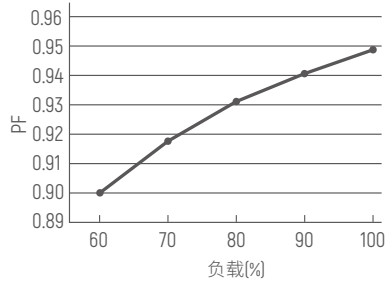
## 调光曲线



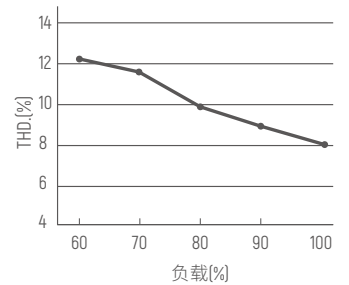
## 降额曲线



## PF vs 负载



## THD vs 负载



## 电流选择表

Current	CW-1	CW-2	WW-1	WW-2
600mA	ON	OFF	ON	OFF
700mA	OFF	ON	OFF	ON
800mA	ON	ON	ON	ON

## 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0.75-1.5mm<sup>2</sup> 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。