

EULP85D-2HMC (Product No.:102101190101)



Summary

EULP85D-2HMC products is a constant current mode output LED driver featuring the multiple levels selectable by DIP switch and complies with DALI standard protocol IEC 62386. It can be connected to DALI main controller or Touch DIM to achieve a smooth dimming effect.

Product Features

- 2 channel output, output current level selectable by DIP S.W.
- Meet DALI protocol IEC 62386
- Support Touch DIM function
- Built-in active PFC function
- Logarithmic dimming, dimming effect smooth, no flicker
- Protections: Over load, short circuit, over voltage
- Suitable for indoor LED lighting application, vapor light, and so on



Tunable White(DT8)



Application



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light



Track Light

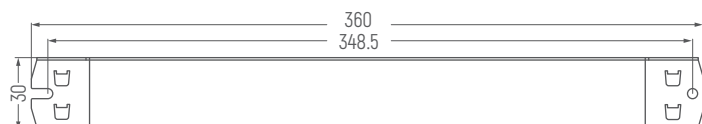


Flood Light

Technical Paramaters

Model		EULP85D-2HMC				
Input	Efficiency(Full load)	89%@230VAC				
	Voltage	200VAC-240VAC				
	Frequency Range(Hz)	50/60Hz				
	Power Factor(Full load)	≥0.95@230VAC				
	THD(full load)	<15%@230VAC, Full load				
	AC Current(max)	/				
	Standby power	<0.5W				
	Inrush Current(max)	/				
Output	Current/Voltage/Power	1100mA/20-52V/57.2W 1200mA/20-52V/62.4W	1300mA/20-52V/67.6W 1400mA/20-52V/72.8W	1500mA/20-52V/78W 1600mA/20-52V/83.2W	1700mA/20-50V/85W 1800mA/20-47V/84.6W	
	Ripple Current	<3%				
	Channel	2				
	Current Tolerance	±5%				
	No load output voltage	63V				
Function	Dimming Type	DALI/Touch DIM				
	Dimming Range	0.1%-100% Dimming to off				
Protection	Short circuit	Close output, recovers automatically after fault removed				
	Over Load	When the Load is exceeded, the output current decreases and, recovers automatically when the load is reduced.				
	Over Voltage	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.				
Safety & EMC	Surge	L-N:1KV; L&N-G:2KV				
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA				
	DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0				
	Safety Standards	EN61347, GB19510				
	EMC Eission	EN50515, EN61000-3-2				
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547				
Others	Working Temp.	-20°C~50°C				
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH				
	tc	90°C				
	Material	Metal				
	IP Rating	IP20				
	Lifetime	50,000h@tc:--°C				
	Warranty Condition	5 years				
	Switch Cycle	>25,000 & >20,000 times				
	Packing(mm L*W*H)	N.W: --g±5%/PCS; 50PCS/Cartron; --kg±5%/Cartron; Cartron Size:502*418*149mm(L*W*H)				
	Dimension	360*30*21mm[长*宽*高]				

Dimension(mm)



L — L
 N — N
 G —
 N — DA1/N
 L — 220-240V~ — DA2/L
 L — Colour Switch — CS/L

EULP85D-2HMC

WW+ —
 WW- —
 CW+ —
 CW- —
 ON ← 3
 2
 1

The graph illustrates the relationship between the DALI Dimming Level and the Output Current (%). The main graph shows a curve that starts at 60% output current at DALI Dimming Level 1 and rises to 100% output current at DALI Dimming Level 254. An inset graph provides a detailed view of the curve for DALI Dimming Levels 1 to 50, showing the output current increasing from 0.1 to 0.4.

DALI Dimming Level	Output Current (%)
1	60
10	~65
20	~70
30	~75
40	~80
50	~85
100	~90
150	~95
200	~98
250	~99
254	100

Ambient Temperature (°C)	Load (%)
-20	100
0	100
20	100
40	100
50	100
60	70

ON	OFF	1100mA 20-52V	1200mA 20-52V	1300mA 20-52V	1400mA 20-52V	1500mA 20-52V	1600mA 20-52V	1700mA 20-50V	1800mA 20-47V										

The diagram illustrates a DALI dimming system architecture. On the left, a 'DALI Controller' is connected to a common bus system consisting of four lines: L (blue), N (green), G (yellow), and a DALI data line (red). This bus system branches out to multiple 'DALI Driver' units. Two drivers are explicitly shown, labeled 'DALI Driver 1' and 'DALI Driver 2'. Each driver is connected to the common bus lines (L, N, G) and the DALI data line. The DALI data line connection to each driver is labeled with a specific address: 'DALI/N - DAL/L - CS/L' for Driver 1 and 'DALI/N - DAL/L - CS/L' for Driver 2. Each driver is also connected to a load, represented by a light fixture with three lamps. The load connections are labeled 'WW/L', 'WW/N', and 'WW/G'.

The diagram illustrates the wiring for a DALI dimming system. On the left, a 'Push DIM (Touch DIM)' switch is shown. The main power lines are L (red), N (blue), and G (green). The DALI signal lines are L (red), N (blue), G (green), DA1/N (yellow), DA2/L (orange), and CS/L (purple). Two DALI Driver units are shown, each with terminals for L, N, G, DA1/N, DA2/L, CS/L, WW+, WW-, CW+, and CW-. The wiring connects the power lines to the drivers and the DALI signal lines to the touch dimmer and the drivers. The output of the drivers is connected to the WW+ and WW- terminals, which are then connected to the CW+ and CW- terminals.

- 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.

EULP85D-2HMC (--)
DALI2.0 DT8




Tunable White(DT8)

概述

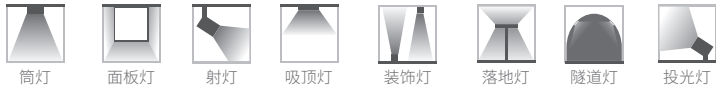
EULP85D-2HMC系列是一款恒流LED调光驱动器,输出电流可以通过DIP开关选择,符合DALI标准协议IEC62386.连接DALI主控或Touch DIM可以实现平滑的调光效果.

产品特点

- 双通道恒流输出，多级电流可选
- 遵循DALI协议标准 IEC62386
- 支持Touch DIM功能
- 内置主动式PFC功能
- 过载保护，短路保护，过压保护
- 适用于LED室内灯具,比如三防灯等



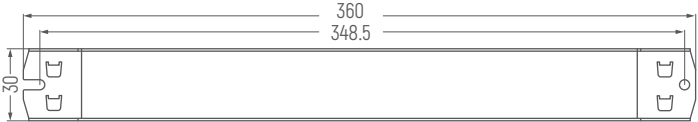
应用



技术参数

型号		EULP85D-2HMC				
输入	效率(满载)	89%@230VAC				
	电压	200VAC-240VAC				
	频率(Hz)	50/60Hz				
	功率因数(满载)	0.95@230VAC				
	THD(满载)	<15%@230VAC, 满载				
	电流	/				
	待机功耗	<0.5W				
	浪涌	/				
输出	电流/电压/功率	1100mA/20-52V/57.2W 1200mA/20-52V/62.4W	1300mA/20-52V/67.6W 1400mA/20-52V/72.8W	1500mA/20-52V/78W 1600mA/20-52V/83.2W	1700mA/20-50V/85W 1800mA/20-47V/84.6W	
	纹波电流	<3%				
	通道	2				
	电流精度	±5%				
	空载电压	63V				
功能	调光方式	DALI/Touch DIM				
	调光范围	0.1%-100% 可调灭				
安全	短路	关断输出，移除故障后自恢复				
	过载	负载超过额定值时，输出电压降低，故障去除后正常工作				
	过压	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				
安规和电磁兼容	雷涌	L-N:1KV; L&N-G:2KV				
	耐受电压	I/P-O/P: 3000VAC/1min/5mA				
	DALI标准	IEC 62386-101: 2014; IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0				
	安全标准	EN61347, GB19510				
	电磁兼容	EN50515, EN61000-3-2				
	EMC电磁抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547				
其它	工作温度	-20℃~50℃				
	储存温度,湿度	-40℃~85℃, 20-90%RH				
	tc	90℃				
	材质	金属				
	防水等级	IP20				
	寿命	50,000h@tc:--℃				
	质保期	5年				
	开关次数	>25,000次				
	箱装规格(mm 长*宽*高)	N.W: --g±5%/个; 50个/箱; --kg±5%/箱; 外箱尺寸:502*418*149mm(L*W*H)				
产品尺寸	360*30*21mm(长*宽*高)					

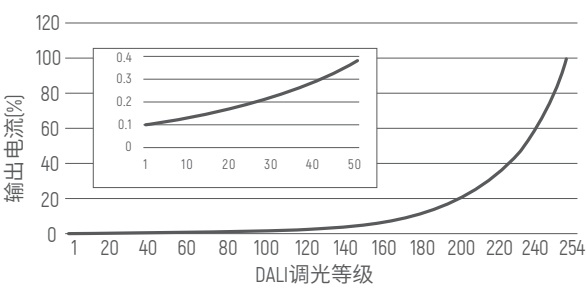
尺寸(mm)



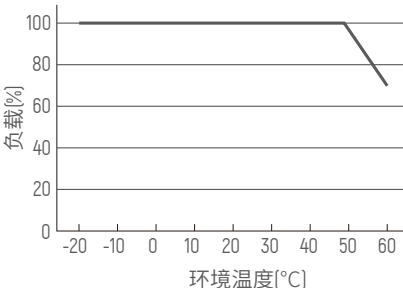
应用接线图



调光曲线



降额曲线



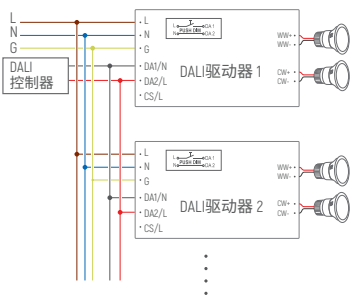
电流选择表

EULP85D-2HMC是一个多电流调光驱动器，输出电流可通过DIP S.W.选择，如下所示：

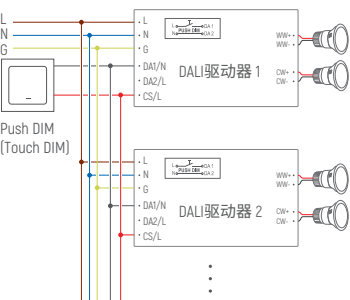
ON	OFF	1	2	3															
		1100mA	1200mA	1300mA	1400mA	1500mA	1600mA	1700mA	1800mA										
		20-52V	20-52V	20-52V	20-52V	20-52V	20-52V	20-52V	20-50V	20-47V									

备注：出厂默认设置电流为1100mA[1,2在OFF状态]

DALI接线图



Touch DIM(Push DIM) 接线图



备注：只能使用开路的按压式开关(不带指示灯). 采用同步连线时每个设备和设备之间的线长不超过20米。

Push DIM 功能

- 1.短按Push DIM (Touch DIM) 开关 (<0.5秒) 进行灯的亮暗控制。
- 2.长按Push DIM (Touch DIM)开关 (>0.5秒) 进行灯具的亮度调节，光是调亮还是调暗，随着每次按压的开关变化而变换。
- 3.双击Push DIM (Touch DIM)开关 (<0.3秒) , 连接的所有灯具将达到最亮状态。
- 4.亮度调节范围为1%-100%。
- 5.具有断电记忆功能，重新上电将恢复到上一次断电的状态。

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0.75-1.5mm²PVC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，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。