

EULP50D-2HMC-0 (Product No.:102100440101)

Summary

EULP50D-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 DT8 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 86 %
- 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.



Tunable White(DT8)



Application



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light

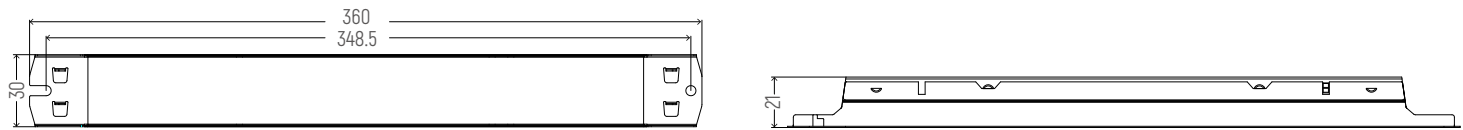


Flood Light

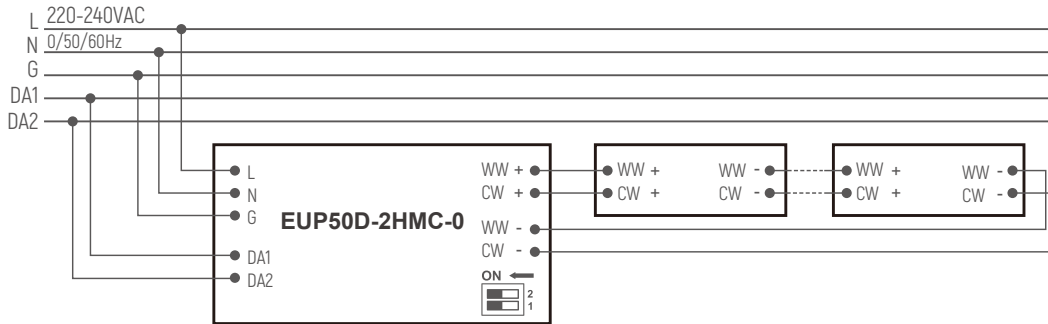
Technical Paramaters

Model	EULP50D-2HMC-0															
Input	Efficiency	>86%@230VAC,Full load														
	Voltage	220VAC-240VAC														
	Frequency Range(Hz)	50/60Hz														
	Power Factor	≥0.95@230VAC,Full load														
	THD(full load)	<10%@230VAC, Full load														
	AC Current(max)	0.3Amax@230VAC														
	Standby power	<0.5W														
	Inrush Current(max)	Cold start,18A(twidth=14us measured at 50% Ipeak)@230VAC														
Output	Current(mA)/Voltage (VDC) Power(W)	900mA/9-42VDC/40.5W 1200mA/9-41VDC/49.2W	1050mA/9-42VDC/47.25W 1400mA/9-35VDC/49W	Current Selection Table <table><tr><td></td><td></td><td>1 2</td><td></td><td></td><td></td></tr><tr><td>ON</td><td>OFF</td><td>900mA 9-42V</td><td>1050mA 9-42V</td><td>1200mA 9-41V</td><td>1400mA 9-35V</td></tr></table> Remark: Function default setting is: 900mA (@switch are all OFF state)			1 2				ON	OFF	900mA 9-42V	1050mA 9-42V	1200mA 9-41V	1400mA 9-35V
			1 2													
	ON	OFF	900mA 9-42V		1050mA 9-42V	1200mA 9-41V	1400mA 9-35V									
	Ripple Current	<3%														
	Channel	2														
	Current Tolerance	±5%														
No load output voltage	60Vdc															
Function	Dimming Type	DALI/Touch DIM														
	Dimming Range	1%-100%														
Protection	Short circuit	Close output , recovers automatically after fault removed														
	Over Load	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.														
	Over temperature	Shut down the output, recovers automatically when temp. back to normal.														
Safety& EMC	Surge	L-N:1000V														
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA														
	DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-209, DALI 1.0														
	Safety Standards	EN61347, GB19510														
	EMC Emission	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	85°C														
	Material	Metal														
	IP Rating	IP20														
	Lifetime	30,000h@tc:80°C														
	Warranty Condition	3 years														
	Switch Cycle	>15000 times														
	Packing(weight)	Net weight: 305g±5%/PCS; 50PCS/Carton; 15.75kg±5%/Carton; Carton Size:370*326*127mm(L*W*H)														
	Dimension	360*30*21mm (L*W*H)														

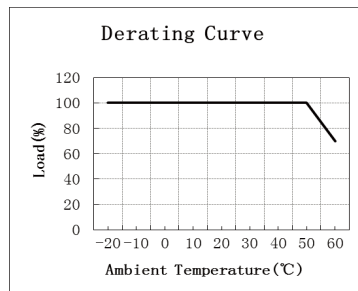
Dimension(mm)



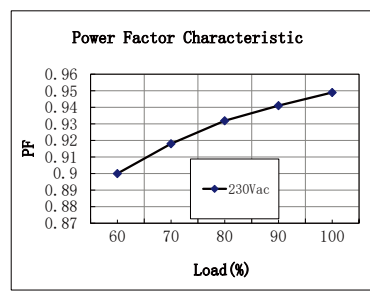
DALI Wiring



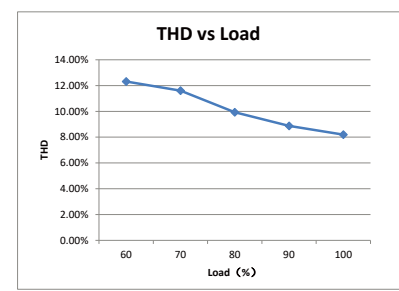
Derating Curve



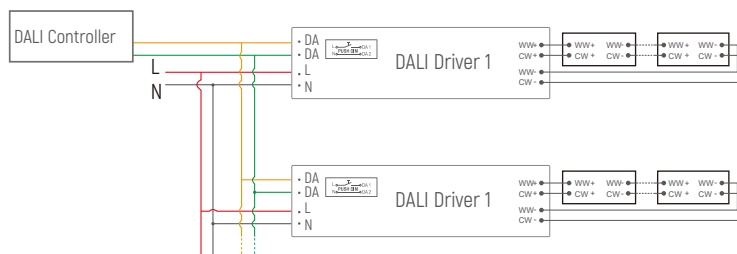
PF vs Load



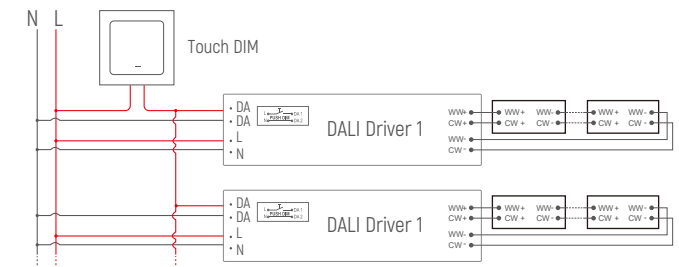
THD vs Load



DALI Diagram



Touch DIM Diagram



Remark: The output current for each channel is available to up to maximum current, In practical application, once one channel are up to maximum current, so the output current for another channel is 0.

Push DIM Function

1. Press the Touch DIM switch for 8s or more, the driver can be controlled via Touch DIM switch.
2. Brief press (< 0.5 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up.
3. Long press the Touch DIM switch (> 0.5s) to dim the brightness of light.
4. Double-click the Touch DIM switch (< 0.3s), then all lamps connected on the device will be set maximum brightness.
5. The brightness adjustment range is 5%-100%.
6. Press the Touch DIM switch 3 times quickly within 10 seconds, switch to the color temperature mode, Long press Touch DIM switch to adjust the color temperature. Any other operation will exit the color temperature mode.

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.

EULP50D-2HMC-0 (产品代码:102100440101)

概述

EULP50D-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50W/1400mA。并且，每路都可以输出最大50W/1400mA。支持 DALI DT8标准协议，可以同时实现亮度和色温调节。曲线平滑、无频闪。

产品特点

- 符合DALI DT8标准协议
- 内建主动式PFC
- 高效率达86%
- 待机功耗<0.5W
- 调光范围1%~100%，无频闪
- 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



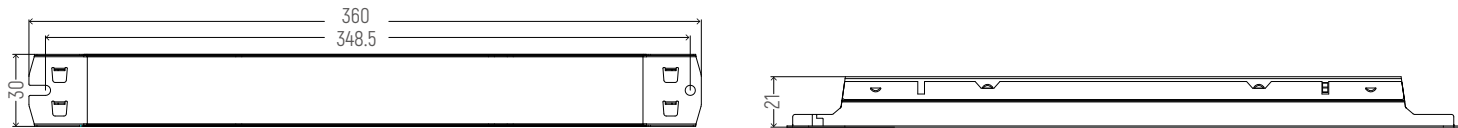
应用



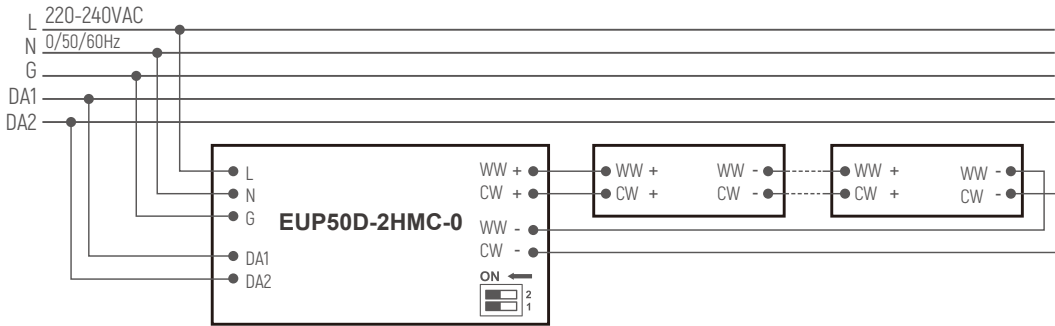
技术参数

型号	EULP50D-2HMC-0																						
输入	效率	86%@230VAC, 满载																					
	电压	220VAC-240VAC																					
	频率	50/60Hz																					
	功率因素	≥0.95@230VAC, 满载																					
	THD	<10%@230VAC, 满载																					
	电流	0.3Amax@230VAC																					
	待机功耗	<0.5W																					
	浪涌电流	冷启动,18A[在 50%Ipeak下测twidth=14us]@230VACC																					
输出	电流/电压/功率	900mA/9-42VDC/40.5W 1200mA/9-41VDC/49.2W	1050mA/9-42VDC/47.25W 1400mA/9-35VDC/49W	电流选择表 <table><tr><td></td><td></td><td>12</td><td></td><td></td><td></td></tr><tr><td>ON</td><td>OFF</td><td>900mA</td><td>1050mA</td><td>1200mA</td><td>1400mA</td></tr><tr><td colspan="2"></td><td>9-42V</td><td>9-42V</td><td>9-41V</td><td>9-35V</td></tr></table> 备注：出厂默认设置电流为900mA(1,2在OFF状态)				12				ON	OFF	900mA	1050mA	1200mA	1400mA			9-42V	9-42V	9-41V	9-35V
			12																				
	ON	OFF	900mA	1050mA	1200mA	1400mA																	
			9-42V	9-42V	9-41V	9-35V																	
	波纹电流	<3%																					
	通道	2																					
电流公差	±5%																						
空载输出电压	60V Max																						
功能	调光方式	DALI/Touch DIM																					
	调光范围	1%-100%																					
保护	短路	关断输出，移除故障后自恢复																					
	过载	打嗝，移除故障后自恢复																					
	过温	关闭输出，温度恢复后，电源正常工作																					
安全 & 电磁兼容	浪涌	L-N:1000V																					
	耐压标准	I/P-O/P: 3000VAC/1min/5mA																					
	DALI 标准	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-209, DALI 1.0																					
	安全标准	EN61347, GB19510																					
	电磁兼容	EN50515, EN61000-3-2																					
其它	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547																					
	工作温度	-20°C~50°C																					
	储存温度、湿度	-40°C~85°C, 20-90%RH																					
	tc	85°C																					
	材质	金属																					
	防水等级	IP20																					
	寿命	30,000小时@tc:80°C																					
	质保	3年																					
	开关周期	>15000次																					
	包装尺寸(重量)	净重: 305g±5%/PCS; 50PCS/Cartron; 15.75kg±5%/箱; 外箱尺寸:370*326*127cm[长*宽*高]																					
尺寸	360*30*21mm (长*宽*高)																						

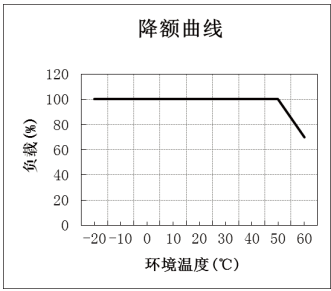
尺寸(mm)



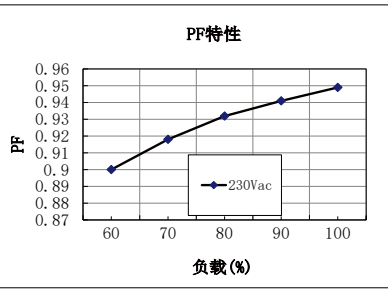
接线图



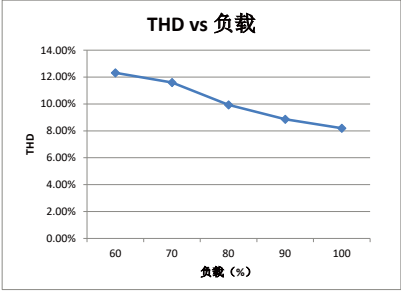
降额曲线



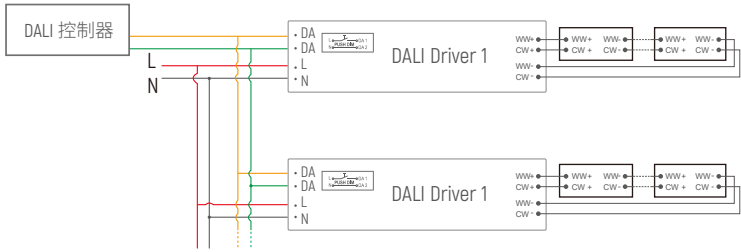
PF vs 负载曲线



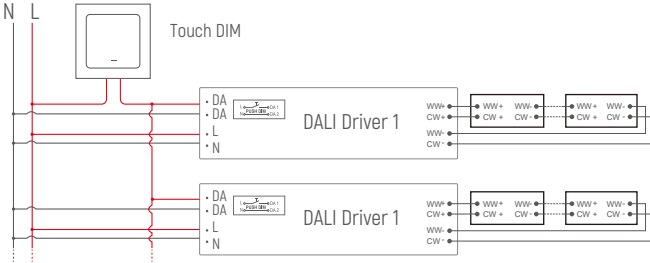
THD vs 负载



DALI应用图



Touch DIM应用图



备注：两通道都可以最大输出50W/1400mA。但是在实际应用中，任何一路输出功率达到50W/1400mA，另外一路的输出功率都为0。

Push DIM 功能

1. 长按touch DIM 8s以上，切换为touch DIM模式。
2. 短按(< 0.5 s)控制灯具开关。
3. 长按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。
4. 双击Touch DIM 开关(<0.3秒)，连接的所有灯具将达到最亮状态。
5. 亮度调节范围为5%-100%。
6. 连续点击三次Touch DIM开关，进入色温调节模式，长按调节色温，其它任意操作降退出色温模式。
7. 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0.75-1.5mm² 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。