

EULP80D-1WMC (102101130101)

Summary

EULP80D-1WMC is a 80W AC/DC constant current mode output LED driver featuring the multiple levels selectable by switch. The driver is a non-isolate product.

Product Features

- Single channel output, output current level selectable by DIP S.W.
- Wide input voltage of 100VAC~277VAC
- High efficiency up to 89%
- Meet DALI-2 standard
- Logarithmic dimming, dimming effect smooth, no flicker
- Protections: No load, short circuit, Over Load, Over voltage
- Suitable for indoor LED lighting application, vapor light, and so on


SELV

Application



Panel Light



Spotlight



Ceiling Light



Floor Light

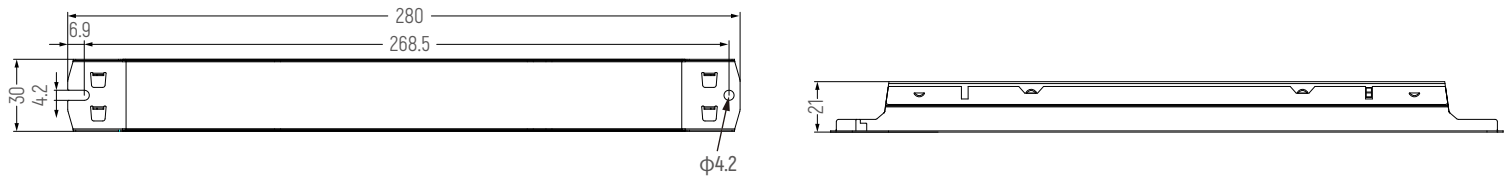


Linear light

Technical Paramaters

Model	EULP80D-1WMC				
Input	Efficiency	89%@100VAC, Full load			
	Voltage	100VAC-277VAC			
	Frequency Range(Hz)	50/60Hz			
	Power Factor	>0.95@230VAC, Full load			
	THD(full load)	<20%@230VAC, Full load			
	AC Current(max)	0.4Amax@230VAC			
	Standby power	<1.5W			
	Inrush Current(max)	Cold start, 70A(twidth=560us measured at 50% Ipeak)@230VAC			
Output	Current/Voltage/Power	150mA/100-200VDC/15-30W 200mA/100-200VDC/40W	250mA/100-200VDC/50W 280mA/100-200VDC/54W	300mA/100-200VDC/60W 350mA/100-200VDC/70W	365mA/100-200VDC/73W 400mA/100-200VDC/80W
	Ripple Current	<2%			
	Channel	1			
	Current Tolerance	±5%			
	Linear Regulation Rate	±5%			
	Load Regulation Rate	±5%			
	No load output voltage	260VDC			
	Turn on time	<1s			
Function	Dimming Type	DALI			
	Dimming Range	1%-100%			
Protection	Short circuit	Under no-load state, the output voltage of the power supply is clamped within 80V, and the power supply is restarted to normal.			
	No Load	Output belch in short circuit state, remove the fault and return to normal automatically.			
	Over Load	Under Over-load state, the output voltage of the power supply is clamped within 80V, and the power supply is restarted to normal.			
	Over Voltage	Under Over Voltage state, the output voltage of the power supply is clamped within 80V, and the power supply is restarted to normal.			
Safety & EMC	Surge	L-N 1kV(Ring wave) , L&N-G 2kV(Ring wave)			
	Withstand Voltage	I/P-GND: 1500VAC/1min/5mA			
	DALI Standards	EN 62386-101 (DALI-2), EN 62386-102 (DALI-2), EN 62386-207 (DALI-2)			
	Safety Standards	EN61347-1, EN61347-2-13, UL8750			
	EMC Eission	EN61000-3-3, EN61000-3-2, EN61547			
	EMC Immunity	EN55015, FCC Part 15 Class B			
Others	Working Temp.	-20°C~+55°C			
	Storage Temp., Humidity	-25°C~85°C, 5-95%RH			
	tc	80°C			
	Material	Metal			
	IP Rating	IP20			
	Lifetime	50,000h@tc: 75°C			
	MTTF	>1,000,000h			
	Warranty Condition	3.5 years			
	Switch Cycle	>25,000 times			
	Packing(weight)	Net weight: --g±5%/PCS; --PCS/Carton; --kg±5%/Carton; Carton Size: --mm(L*W*H)			
	Dimension	280*30*21mm(L*W*H)			

Dimension(mm)



DALI Wiring



DALI Signal Input

Current Selection Table

EULP80D-1WMC is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

ON	OFF	1	2	3	4	5	6	7	8	9	10
		150mA	200mA	250mA	280mA	300mA	350mA	365mA	400mA		
		100-200V	100-200V	100-200V	100-200V	100-200V	100-200V	100-200V	100-200V		

Remark: Function default setting is: 150mA(@switch are all OFF state)

Label:

EUCHIPS

8-9mm
0.2-0.75°

DALI Constant Current Dimming Driver
EULP80D-1WMC LED控制装置

Uin:100-277V~ 50/60Hz Iin:0.4Amax@230V~ PF>0.95
 Uout:260Vmax= Prated:80W ta:-20...+55°C tc:80°C
 For LED modules only

DALI **CE** **SELV**

● tc

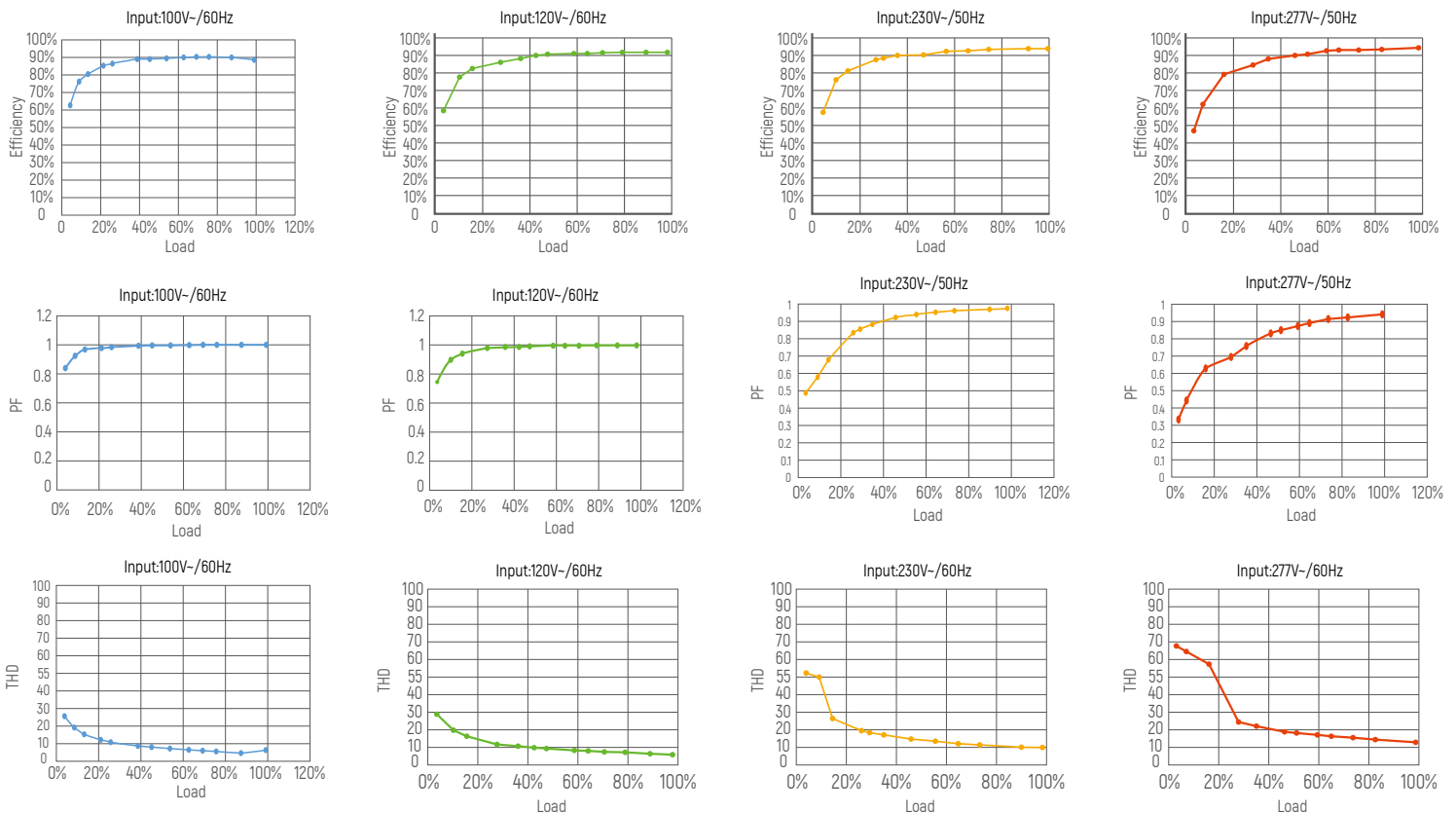
ON OFF 1 2 3 4 5 6 7 8 9 10

150mA 200mA 250mA 280mA 300mA 350mA 365mA 400mA

100-200V 100-200V 100-200V 100-200V 100-200V 100-200V 100-200V 100-200V

8-9mm
0.2-0.75°

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 0.2-0.75mm² 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 .

EULP80D-1WMC (102101130101)

概述

EULP80D-1WMC是一款80W交流变直流LED驱动器，可输出多档电流。
输出电流可以通过开关选择。非隔离产品，连接DALI主控可以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
- 宽电压输入：100VAC~277VAC
- 效率高达89%
- 符合DALI-2协议标准
- 保护：空载、短路、过压、过载
- 适用于LED室内灯具,比如三防灯等

技术参数

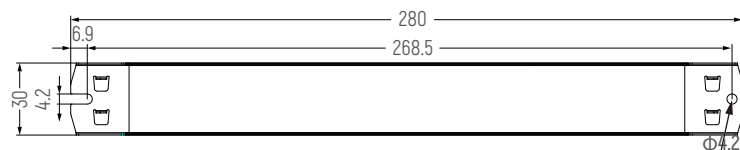
型号	EULP80D-1WMC				
输入	效率	89%@100VAC, 满载			
	电压	100VAC-277VAC			
	频率	50/60Hz			
	功率因素	>0.95@230VAC, 满载			
	THD	<20%@230VAC, 满载			
	电流	0.4Amax@230VAC			
	待机功耗	<1.5W			
	浪涌电流	冷启动, 70A(在 50%Ipeak下测试twidth=560us)@230VAC			
输出	电流/电压/功率	150mA/100-200VDC/15-30W	250mA/100-200VDC/50W	300mA/100-200VDC/60W	365mA/100-200VDC/73W
		200mA/100-200VDC/40W	280mA/100-200VDC/54W	350mA/100-200VDC/70W	400mA/100-200VDC/80W
	波纹电流	<2%			
	通道	1			
	电流公差	±5%			
	线性调整率	±5%			
	负载调整率	±5%			
	空载输出电压	260V			
功能	启动延时	<1s			
	调光方式	DALI			
保护	调光范围	1%-100%			
	空载	空载状态下电源输出电压钳位80V内，重启电源恢复正常。			
安全 & 电磁兼容	短路	短路状态下输出打嗝，移除故障自动恢复正常。			
	过载	过载状态下电源输出电压钳位80V内，重启电源恢复正常。			
	过压	过压状态下电源输出电压钳位80V内，重启电源恢复正常。			
	浪涌	L-N 1kV(Ring wave) , L&N-G 2kV(Ring wave)			
其它	耐压标准	I/P-GND: 1500VAC/1min/5mA			
	DALI标准	EN 62386-101 (DALI-2), EN 62386-102 (DALI-2), EN 62386-207 (DALI-2)			
	安全标准	EN61347-1, EN61347-2-13, UL8750			
	电磁兼容	EN61000-3-3, EN61000-3-2, EN61547			
	EMC抗扰度	EN55015, FCC Part 15 Class B			
	工作温度	-20℃~+55℃			
其它	储存温度、湿度	-25℃~+85℃, 5-95%RH			
	tc	80℃			
	材质	金属			
	防水等级	IP20			
	寿命	50,000小时@tc:75℃			
	MTTF	>1,000,000小时			
	质保	3.5年			
	开关周期	>25,000次			
	包装尺寸(重量)	净重: --g±5%/PCS; --PCS/Carton; --kg±5%/箱; 外箱尺寸:--cm(长*宽*高)			
	尺寸	280*30*21mm (长*宽*高)			



应用



尺寸(mm)



接线图



DAI信号输入

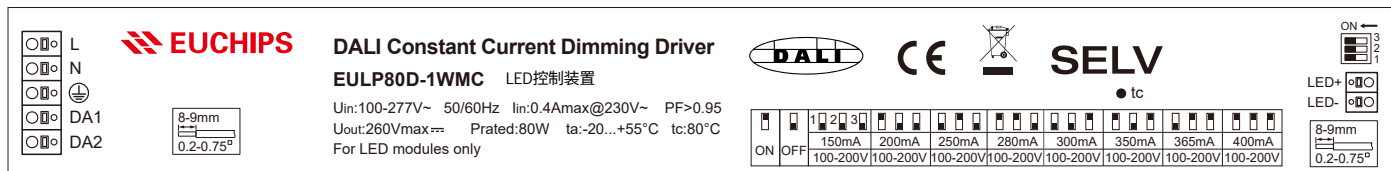
电流选择表

EULP80D-1WMC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：

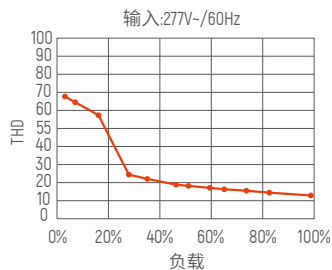
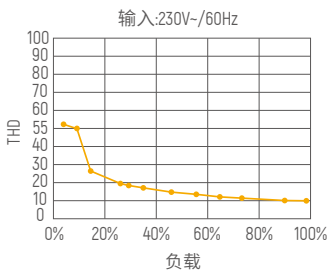
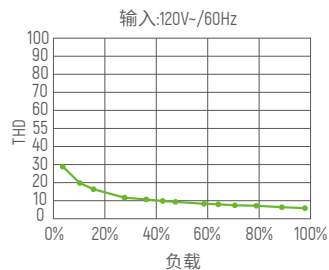
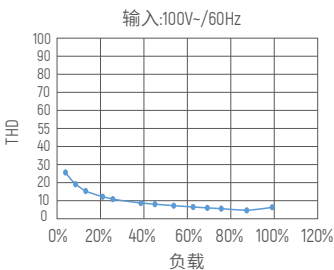
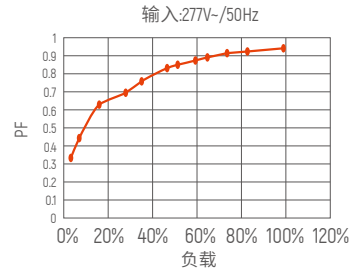
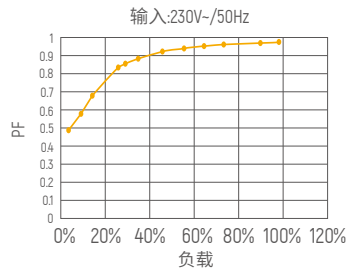
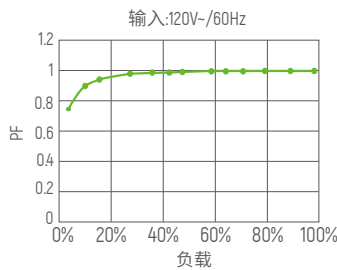
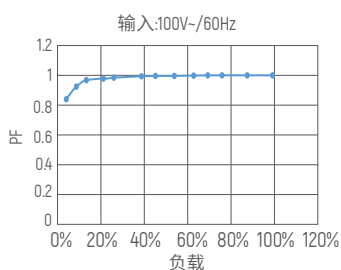
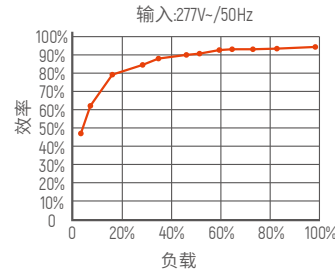
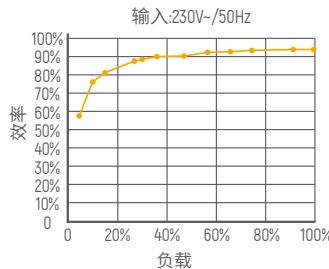
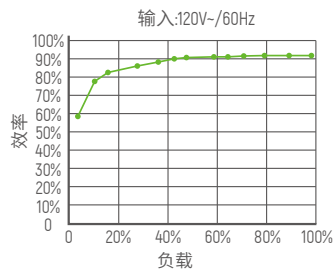
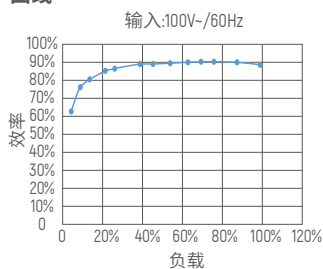
[illegible]

备注：出厂默认设置电流为150mA(1.2.3在OFF状态)

面貼:



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0.2-0.75mm² 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。