

PUP20D-1WMC

Summary

PUP20D-1WMC is a constant current output mode LED driver. Support DALI dimming function, Touch DIM (Push DIM) function. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the users and luminaire system during installation.

Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support DALI dimming function, Touch DIM (Push DIM) function
- Input voltage of 100VAC~240VAC
- Dimming range: 0.1-100%, Dimming effect smooth, no flicker
- Protections: Short circuit, Over load, Over voltage
- Suitable for indoor LED lighting application







Downlight

Panel Light

Spotlight

Ceiling Light

Decorative Light

Floor Light

Track Light

Flood Light

Technical Paramaters

Model		PUP20D-1WMC			
Input	Efficiency	85%@230VAC, Full load			
	Frequency	50/60Hz			
	Voltage	100VAC-240VAC			
	PF	0.94@230VAC, Full load			
	THD(full load)	<12%@230VAC, Full load			
	Current	0.28Amax@100VAC			
	Inrush Current	Cold start,30A@230VAC			
	Standby Power	<1W			
Output	Current/Voltage/Power	350mA/9-45V/15.75W 400mA/9-45V/18W	450mA/9-44V/19.8W 500mA/9-40V/20W	550mA/9-36V/19.8W 600mA/9-33V/19.8W	650mA/9-30V/19.5W 700mA/9-28V/19.6W
	Channel	1			
	No load output voltage	60V Max			
	Frequency	1KHz Min PWM			
	Current Accuracy	±5%			
	LF current ripple(<120Hz)	<3%			
Protection	Over Voltage	Hiccup, recovers after fault condition is removed			
	Over load	Hiccup, recovers after fault condition is removed			
	Short circuit	Close output, recovers automatically after fault removed			
Safety & EMC	Surge	L-N: 0.5KV			
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA; O/P-DIM[Signal port]:1500Vac/1min/<5mA			
	Safety standards	UL8750/UL1310/CSA25013,CSA class P			
	EMI Eission	EN55015,EN61000-3-2 Class C,IEC61000-3-3			
	EMC Immunity	FCC class B(120V)/class A(277V)			
Function	Dimming type	DALI/Touch DIM (Push DIM)			
	Dimming range	0.1%-100% Dimming to off			
Others	Dimension	88*43*26.5mm(L*W*H)			
	Pack Information	Net weight: 150g±5%/PCS; 50PCS/Carton; 7.5kg±5%/Carton; Carton Size: 234x222x194mm(L*W*H)			
	IP rating	IP20			
	Working temp.	-20°C~50°C			
	tc	80°C			
	Relative humidity	20~90% RH			
	Lifetime	50,000h@tc:80°C			
	Material	PC			
	Switch cycle	>25,000 times			

Remark: Use only within an enclosure

PUP20D-1WMC

概述

PUP20D-1WMC是一款恒流输出模式LED驱动器。输出和调光电路完全符合新规定，隔离，确保用户和灯具系统在安装过程中使用。

产品特点

- 单通道输出，输出电流电平可通过DIP S.W.选择。
- 支持DALI调光功能, 触摸调光(按键调光)功能
- 输入电压100V-240V
- 调光范围：0.1-100% 调光效果平滑，无闪烁
- 保护：短路、过载、过压
- 适用于室内LED照明应用，如筒灯、聚光灯、面板灯等





应用



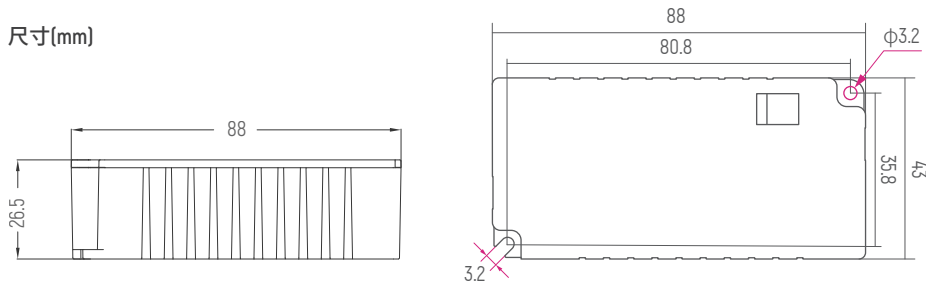
筒灯 面板灯 射灯 吸顶灯 装饰灯 落地灯 隧道灯 投光灯

技术参数

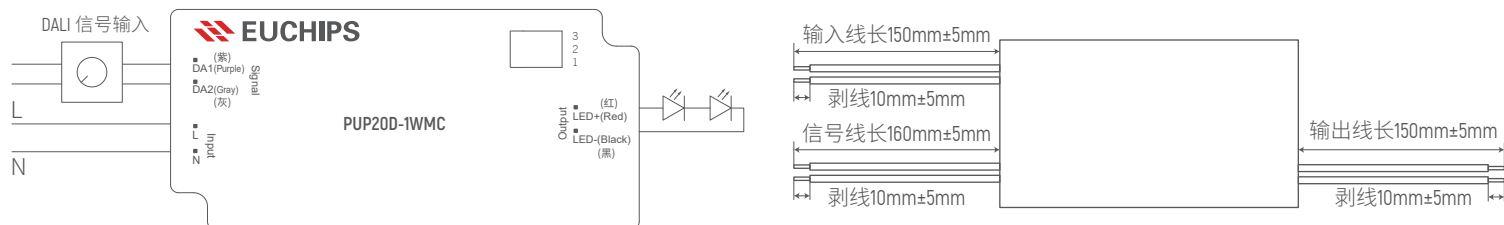
产品型号	PUP20D-1WMC				
输入	效率[典型]	85%@230VAC,满载			
	频率	50/60Hz			
	电压	100VAC-240VAC			
	功率因数[典型]	0.94@230VAC,满载			
	THD[满载]	<12%@230VAC, 满载			
	电流	0.28Amax@100VAC			
	浪涌电流	Cold start,30A@230VAC			
	待机功耗	<1W			
输出	电流/电压/功率	350mA/9-45V/15.75W 400mA/9-45V/18W	450mA/9-44V/19.8W 500mA/9-40V/20W	550mA/9-36V/19.8W 600mA/9-33V/19.8W	650mA/9-30V/19.5W 700mA/9-28V/19.6W
	通道	1			
	空载输出电压	60V Max			
	输出频率	1KHz Min PWM			
	电流精度	±5%			
	低频纹波电流[<120Hz]	<3%			
保护	过压保护	打嗝，移除故障后自恢复			
	过载保护	打嗝，移除故障后自恢复			
	短路保护	关断输出，移除故障后自恢复			
安全与电磁兼容	浪涌	L-N: 0.5KV			
	耐受电压	I/P-O/P: 3000VAC/1min/5mA; O/P-DIM[Signal port]:1500Vac/1min/<5mA			
	安全标准	UL8750/UL1310/CSA25013,CSA class P			
	电磁兼容	EN55015,EN61000-3-2 Class C,IEC61000-3-3			
功能	EMC电磁抗扰度	FCC class B[120V]/class A[277V]			
	调光模式	DALI/Touch DIM (Push DIM)			
其它	调光范围	0.1%-100% 可调灭			
	产品尺寸	88*43*26.5毫米(长*宽*高)			
	包装信息	净重: 150g±5%/个; 50个/箱; 7.5kg±5%/箱; 外箱尺寸: 234x222x194mm(长*宽*高)			
	防水等级	IP20			
	工作环境温度	-20°C-50°C			
	tc	80°C			
	相对湿度	20-90% RH			
	寿命	50,000h@tc:80°C			
	材料	PC			
	开关机次数	>25,000次			

备注: 仅在外壳内使用

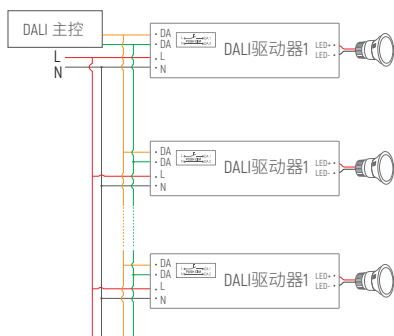
尺寸(mm)



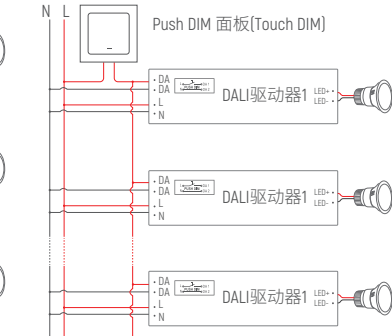
应用接线图



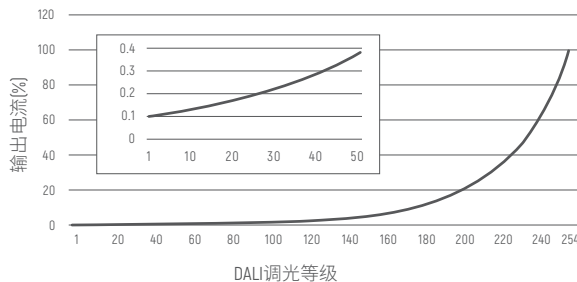
DALI接线图



Touch DIM[Push DIM] 接线图



调光曲线



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。

电流选择表

PUP20D-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:

																														
ON	OFF	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA																					
		9-45V	9-45V	9-44V	9-40V	9-36V	9-33V	9-30V	9-28V																					