PUP40D-2WMC-1200

Product Features

· Dual channel constant current output, multi-level current optional

· Support Touch-DIM function

· Dimming range 0.1%-100% dimming, smooth dimming without step sense and stroboscopic

· Short circuit, overload, overvoltage protection, V0 flame retardant housing

· Life of 50,000 hours,

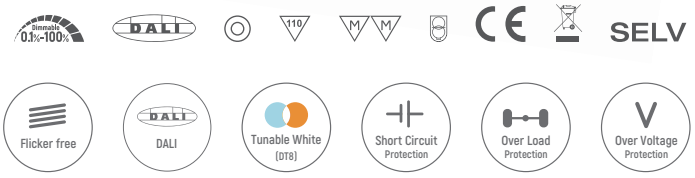
· Customizable dimming curve

· 5 years warranty

· Suitable for LED indoor lamps, such as downlights, spotlights, panel lights, etc

Application

Down Light



Technical Paramaters

Model	PUP40D-2WMC-1200				
Input	Input Voltage	120VAC-277VAC			
	Frequency Range(Hz)	50/60Hz			
	Input Current	0.4Amax@120VAC	0.18Amax@277VAC		
	Power Factor	≥0.95@120VAC, Full load	≥0.95@277VAC, Full load		
	Efficiency	≥86%@120VAC, Full load	≥88%@277VAC, Full load		
	THD	≤10%@120VAC, Full load	<15%@277VAC, Full load		
	Standby power	<0.5W			
	No-load power	<0.5W			
	Inrush Current	Cold start, 10A@120V 50us	20A@277VAC 50us		
Output	Output Power Range	0W~40W			
	Voltage Accuracy	/			
	Current Accuracy	±5%			
	Output Voltage Output Current Output Power	850mA/9-42V/35.7W	900mA/9-42V/37.8W	950mA/9-42V/39.9W	1000mA/9-40V/40W
		1050mA/9-38V/39.9W	1100mA/9-36V/39.6W	1150mA/9-34V/39.1W	1200mA/9-33V/39.6W
	PstLM	≤1			
	SVM	≤0.4			
	Dimming frequency	/			
	Line Regulation	±5% @Full load			
	Load Regulation	±5% @Full load			
	Turn on delay Time	0.75s, at230Vac (When the light begins to shine)			
Function	Dimming Type	DALI/Touch DIM (Push DIM)			
	Dimming Range	0.1%-100% Dimming to OFF			
	Color temperature range	2700K~6500K			
	Dimming Curve	Logarithm			
	Flicker free	Flicker free			
Protection	Short circuit	Short circuit No output, troubleshooting output normal			
	Over Current	No output is generated during overcurrent, the output is normal			
	Over load	No output. The system recovers after the fault is rectified			
	Over Voltage	Current down, troubleshooting output normal			
	Over temperature	/			
Safety& EMC	Surge	L-N 1KV			
	Withstand Voltage	I/P-O/P: 3750Vac/1min/<5mA	DALI(Signal port)-O/P:1500Vac/1min/<5mA		
	DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0			
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547			
Environment	Working Temp.	-20°C~50°C (-4°F-122°F)			
	Storage Temp.	-40°C~85°C (-40°F-185°F)			
	Storage Humidity	20-90%RH (No condensation)			

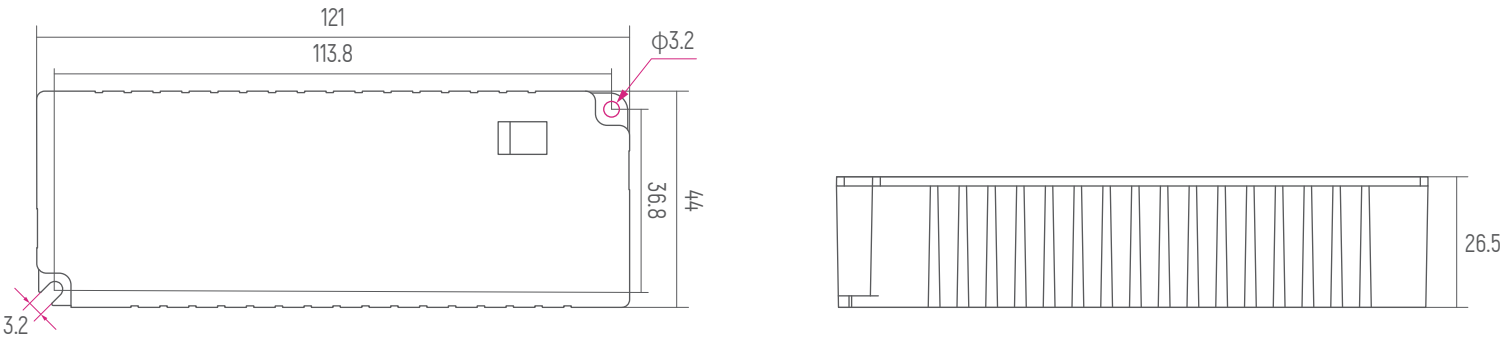
Current Selection Table

ON	OFF	1 2 3							
		850mA	900mA	950mA	1000mA	1050mA	1100mA	1150mA	1200mA
		9-42V	9-42V	9-42V	9-40V	9-38V	9-36V	9-34V	9-33V

Remark: Function default setting is: 850mA (@switch are all OFF state)

Others	RoHS	Comply with 2011/65/EU
	tc	80°C [176°F]
	material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:80°C [176°F]
	Warranty Condition	5years
	Switch Cycle	25,000times
	Body size	121*44*26.5mm (4.76*1.73*1.04 Inch) (L*W*H)
	Packing(weight)	Net weight: 215g (0.47lb) ±5%/PCS; 50PCS/Carton; 11.25kg (24.8lb) ±5%/Carton; Carton Size: 286*239*194mm (11.25*9.4*7.63 Inch) (L*W*H)
	Noise	In a quiet environment, no noise beyond 30-50cm
Remark	All parameters were measured at an input voltage of 230VAC/50Hz and an ambient temperature of 25 ℃ without any special instructions.	

Dimension(mm)



Wring Diagram

Plastic case

All materials comply with the ROHs requirements

of Directive 2002/95/EC

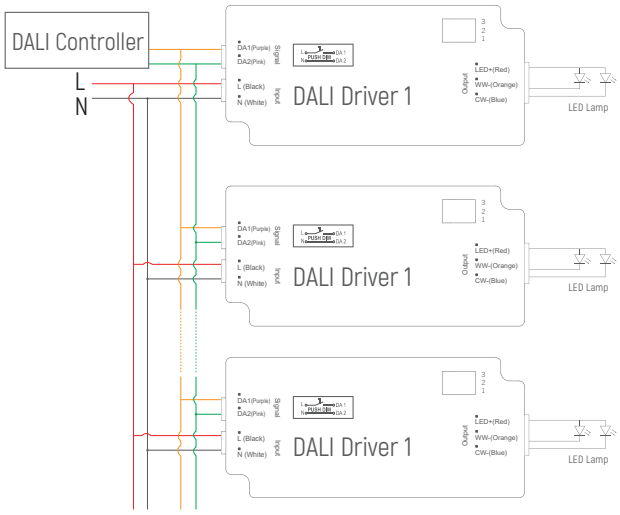
The cable must be UL certified

Input: Black and white :150mm, 18AWG

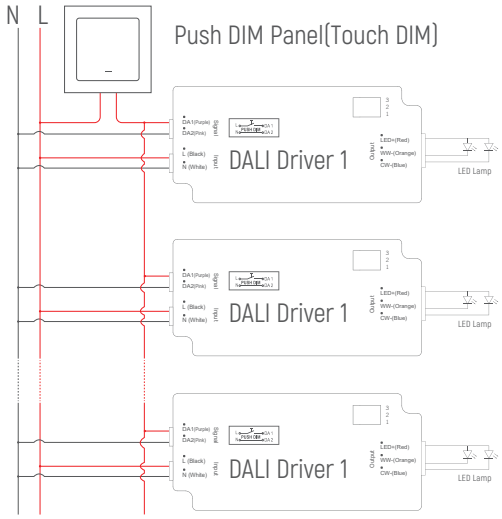
Output: Red Blue Orange :150mm, 18AWG

Dimming: Purple and pink :160mm, 20AWG

DALI Diagram



Touch DIM(Push DIM) Diagram



Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

Push DIM Function

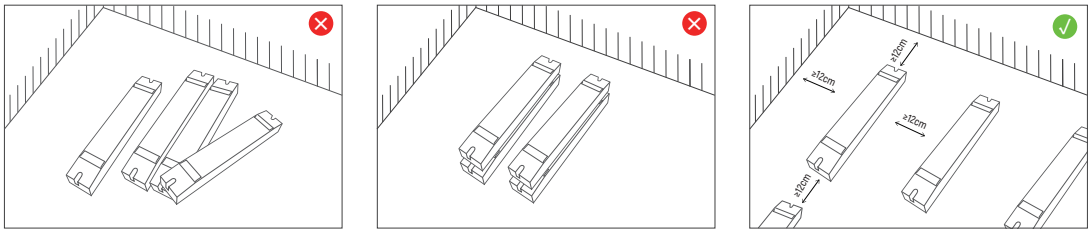
1. Press and hold Touch DIM for at least 8 seconds to switch to Touch DIM mode.
2. Short press the Touch DIM switch (<0.5 seconds) to control the brightness of the light.
3. Press and hold the Touch DIM switch (>0.5 seconds) to adjust the brightness of the light fixture. The brightness changes with each press of the switch.
4. Double click the Touch DIM switch (<0.3 seconds), and all connected lights will reach their brightest state.
5. Click three times (<0.3 seconds) to enter the color temperature adjustment mode of the lamp. Long press to adjust the color temperature, and short press to exit the color temperature adjustment mode.
6. When the light fixture is in the off state, long press the Touch DIM switch to turn on the light fixture and adjust the brightness according to the direction of change.
7. The brightness adjustment range is 1% -100%.
8. Equipped with power-off memory function, it will restore to the previous power-off state when powered on again.ame circuit)

Max. quantity of drivers per miniature circuit breaker

Specification item	Value	Value	Condition
Inrush current Ipeak	10A (120V)	20A (277V)	Input Voltage120V/277V
Inrush current Twidth	50us (120V)	50us (277V)	Input Voltage120V/277V, measured ta 50% Ipeak

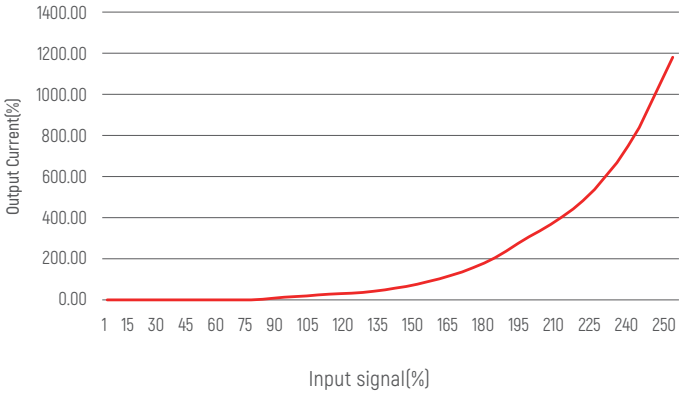
MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers	MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers
B10	25pcs	55pcs	C10	25pcs	55pcs
B13	32pcs	72pcs	C13	32pcs	72pcs
B16	40pcs	88pcs	C16	40pcs	88pcs
B20	50pcs	111pcs	C20	50pcs	1111pcs
			D16	40pcs	88pcs

Installation Precautions

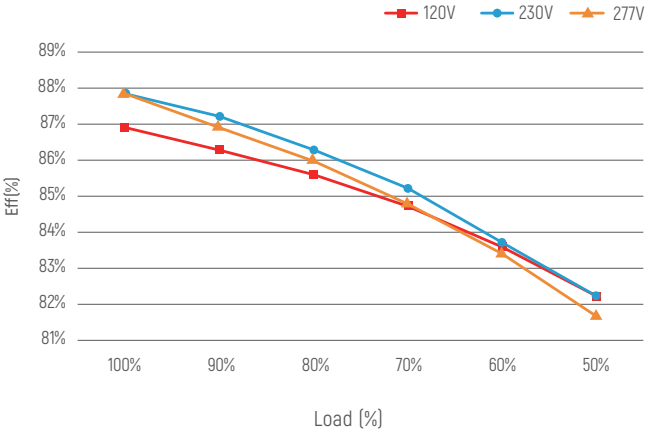


Please do not stack the products. The distance between two products should be>12cm so as not to affect heat dissipation and the lifespan of the products.

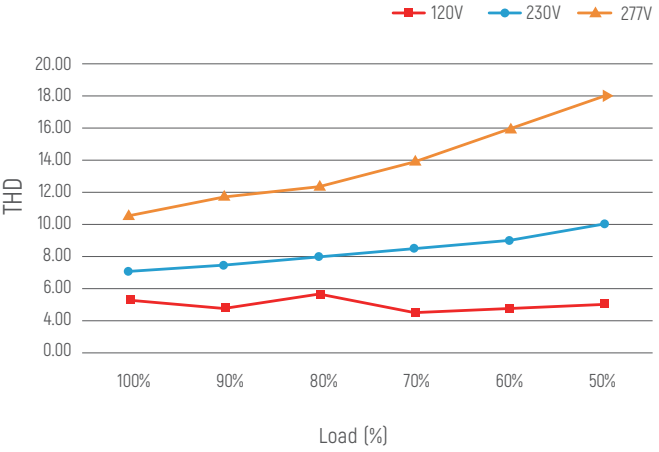
Dimming Curve



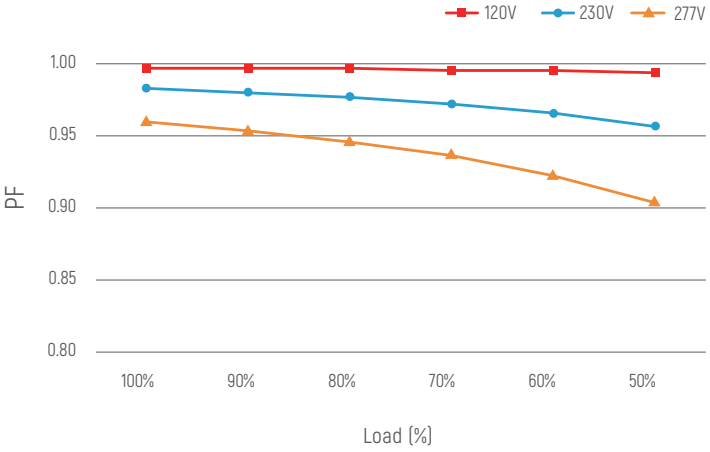
Efficiency vs Load Curve



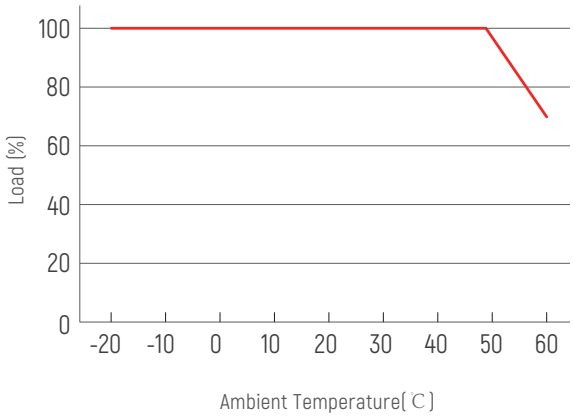
THD vs Load Curve



PF vs Load Curve

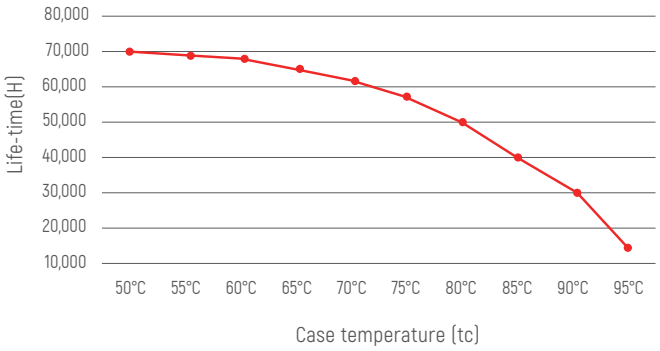


Derating Curve



Life-time vs. case temperature

The life-time of the led driver is shown in the figure above
(calculated based on the 90% survival rate).
The relation of tc ta temperature depends also on the luminaire design.



Cautions

This product must be installed and adjusted by a qualified professional.		
1	Confirmation of installation conditions	· **Waterproof and Protection:** Install in a suitable location according to the waterproof and protection requirements of the power supply. Products without waterproof function should be protected from direct sunlight and rain. When installing outdoors, please use a waterproof box for protection. · **Heat dissipation requirements:** The drive power supply should avoid exposure to high temperature environments. Please ensure that the working environment temperature is within the recommended range. To ensure proper heat dissipation of the drive power supply, a well ventilated area should be selected for installation. Good heat dissipation conditions can help extend product lifespan.
2	Power check	· Before use, check the product parameters and confirm that the output voltage and current of the LED power supply meet the requirements
3	Safe wiring	· Use cables that meet the specifications to ensure that the cross-section of the wire matches the requirements of the driving power supply. Solid cables typically measuring 0.75-2.5 mm ^{2}, (Please refer to the silk screen printing or wiring diagram in the instruction manual for specific wire diameter requirements). · If the power supply (metal casing) is installed on a grounded lighting component or equipment, the power supply needs to be grounded. · To avoid hot swapping, power off and restart the driver before connecting the LED load.
4	Wiring confirmation	· Before power on debugging, ensure that the wiring is secure and avoid poor contact to prevent unstable current or equipment damage.
5	Repair suggestions	· If the product malfunctions, please do not repair it without authorization. If you have any questions, please contact the supplier or sales team for assistance.

※ 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 .

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

The following situations are not covered by the free warranty or replacement service:

1. Exceeding the warranty period.
2. Damage caused by human factors such as high voltage, overload, and improper operation.
3. The appearance of the product is severely damaged or deformed.
4. Normal wear and tear or aging during regular product use.
5. Damage caused by natural disasters or force majeure factors.
6. The quality inspection label of the product is damaged (QC PASS).
7. No contract or valid invoice proof signed with EUCHIPS has been provided.

※Remedies: Repair or replacement is the only remedy provided by EUCHIPS to the customer, and EUCHIPS shall not be liable for incidental damages arising from repair or replacement, unless within the scope of applicable law.

※Adjustment of Warranty Terms: EUCHIPS reserves the right to modify or adjust the warranty terms, which shall be published in writing.

PUP40D-2WMC-1200

产品特点

· 双通道恒流输出，多级电流可选

· 支持Touch-DIM功能,

· 调光范围0.1%-100%调光，调光平滑无阶梯感无频闪

· 短路、过载、过压保护，V0级阻燃外壳

· 寿命50,000小时

· 可定制调光曲线

· 5年质保

· 适用于LED室内灯具,比如筒灯、聚光灯、面板灯等

应用

筒灯

技术参数

产品型号	PUP40D-2WMC-1200	
输入	输入电压	120VAC-277VAC
	频率范围	50/60Hz
	输入电流	0.4Amax@120VAC　0.18Amax@277VAC
	功率因数	≥0.95@120VAC, 满载　≥0.95@277VAC, 满载
	效率	≥86%@120VAC, 满载　≥87%@277VAC, 满载
	谐波THD	≤10%@120VAC, 满载　<15%@277VAC, 满载
	待机功耗	<0.5W
	空载功耗	<0.5W
	浪涌电流	冷启动, 10A@120VAC 50us　20A@277VAC 50us
输出	输出功率范围	0W-40W
	输出电压精度	/
	输出电流精度	±5%
	输出电压 输出电流 输出功率	850mA/9-42V/35.7W　900mA/9-42V/37.8W　950mA/9-42V/39.9W　1000mA/9-40V/40W 1050mA/9-38V/39.9W　1100mA/9-36V/39.6W　1150mA/9-34V/39.1W　1200mA/9-33V/39.6W
	PstLM	≤1
	SVM	≤0.4
	调光频率	/
	线性调整率	±5% @满载
	负载调整率	±5% @满载
	启动延时	0.75s, at230Vac(当灯光开始亮起)
功能	调光方式	DALI/Touch DIM (Push DIM)
	调光范围	0.1%-100% 变暗直至关闭
	色温范围	2700K~6500K
	调光曲线	对数
	频闪	无频闪
保护	短路保护	打嗝，排除故障后自恢复
	过流保护	/
	过载保护	打嗝，排除故障后自恢复
	过压保护	打嗝，排除故障后自恢复
	过温保护	/
安规与电磁兼容	雷击浪涌	L-N:1KV
	耐压标准	I/P-O/P: 3750Vac/1min/<5mA　DALI(Signal port)-O/P:1500Vac/1min/<5mA
	DALI 标准	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0
	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
环境	工作温度	-20℃~50℃ (-4°F-122°F)
	储存温度	-40℃~85℃ (-40°F-185°F)
	储存湿度	20-90%RH (无凝露)

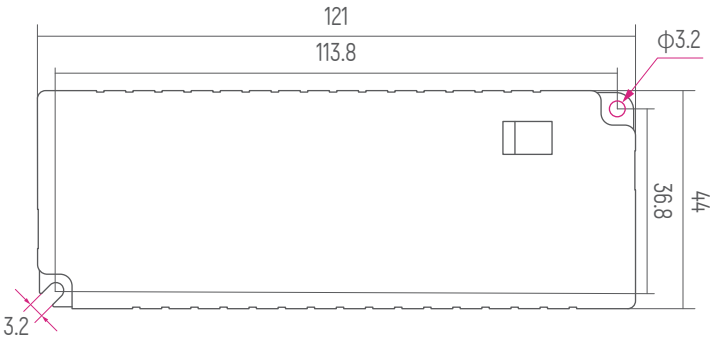
电流选择表

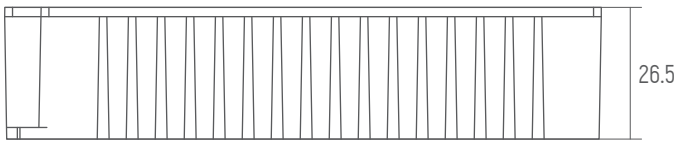
ON	OFF	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
		850mA	900mA	950mA	1000mA	1050mA	1100mA	1150mA	1200mA
		9-42V	9-42V	9-42V	9-40V	9-38V	9-36V	9-34V	9-33V

备注：出厂默认设置电流为850mA (1,2,3在OFF状态)

其他	RoHS	遵守 2011/65/EU
	tc	80 ℃ [176°F]
	材质	PC
	防水等级	IP20
	寿命	50,000小时@tc:80 ℃ [176°F]
	质保	5年
	开关周期	25,000次
	裸机尺寸	121*44*26.5mm (4.76*1.73*1.04 Inch) (长*宽*高)
	包装尺寸(重量)	净重: 215g (0.47lb) ±5%/PCS; 50PCS/Carton; 11.25kg (24.8lb) ±5%/箱; 外箱尺寸: 286*239*194mm (11.25*9.4*7.63 Inch) (长*宽*高)
	噪音	安静环境下，30-50cm以外无噪音
备注	全部参数无特别说明，均在输入电压230VAC/50Hz和25°C的环境温度下测得。	

尺寸(mm)





应用接线图

塑料外壳

所有材料符合指令2002/95/EC的ROHs要求

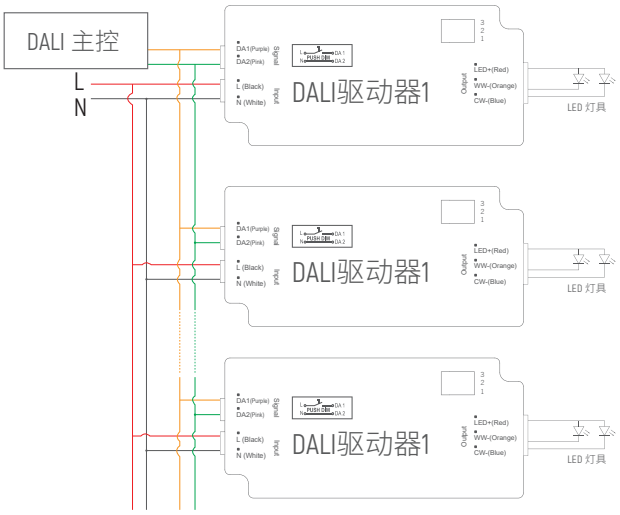
电缆须经UL认证

输入:黑白:150mm, 18AWG

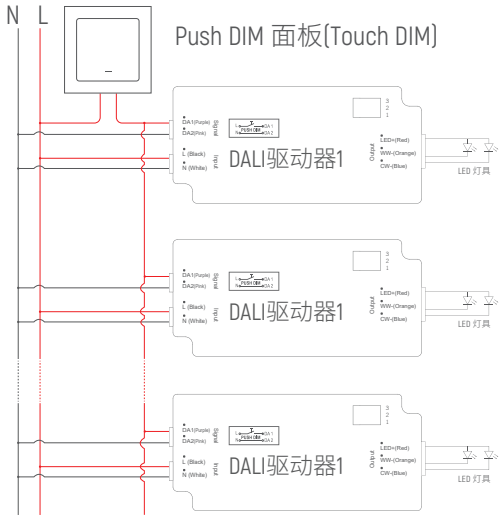
输出:红蓝橙:150mm, 18AWG

调光:紫色和粉红色:160mm, 20AWG

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

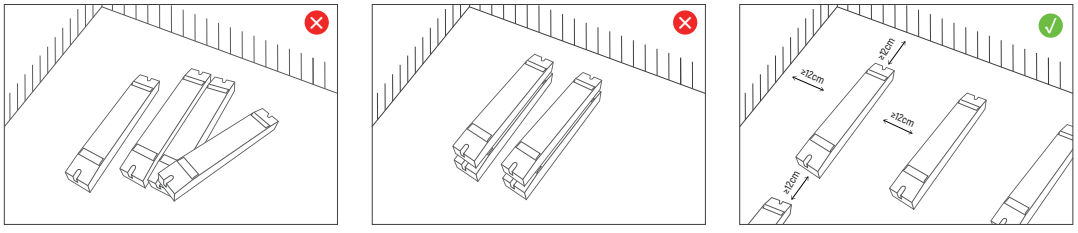
1. 长按Touch DIM 8s以上，切换为Touch DIM模式。
2. 短按Touch DIM 开关 (<0.5秒) 进行灯的亮暗控制。
3. 长按Touch DIM 开关 (>0.5秒) 进行灯具的亮度调节,光是调亮还是调暗，随着每次按压的开关变化而变换。
4. 双击Touch DIM 开关（<0.3秒），连接的所有灯具将达到最亮状态。
5. 三击Touch DIM 开关（<0.3秒），灯具进入色温调节模式，长按调节色温，短按退出色温调节模式。
6. 当灯具处于关闭状态，长按Touch DIM开关可以开启灯具并按照变化方向进行亮度的调节。
7. 亮度调节范围为1%-100%。
8. 具有断电记忆功能，重新上电将恢复到上一次断电的状态。

断路器带载说明

规范项	值	值	备注
浪涌电流 Ipeak	10A (120V)	20A (277V)	输入电压120V/277V
浪涌电流 Twidth	50us (120V)	50us (277V)	输入电压120V/277V, 在50%Ipeak下测试

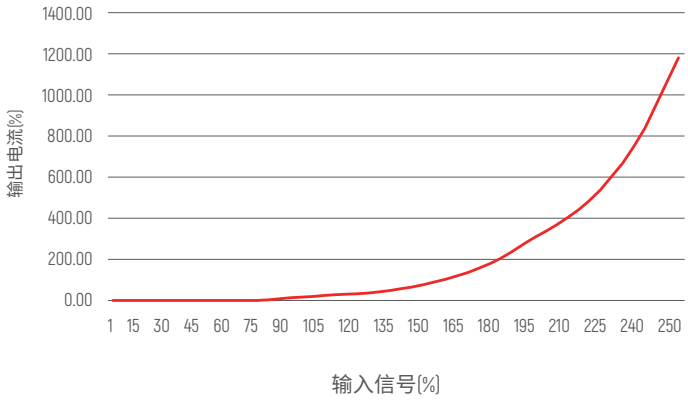
MCB	输入电压120V 驱动器数量	输入电压277V 驱动器数量	MCB	输入电压120V 驱动器数量	输入电压277V 驱动器数量
B10	25pcs	55pcs	C10	25pcs	55pcs
B13	32pcs	72pcs	C13	32pcs	72pcs
B16	40pcs	88pcs	C16	40pcs	88pcs
B20	50pcs	111pcs	C20	50pcs	111pcs
			D16	40pcs	88pcs

安装规范要求

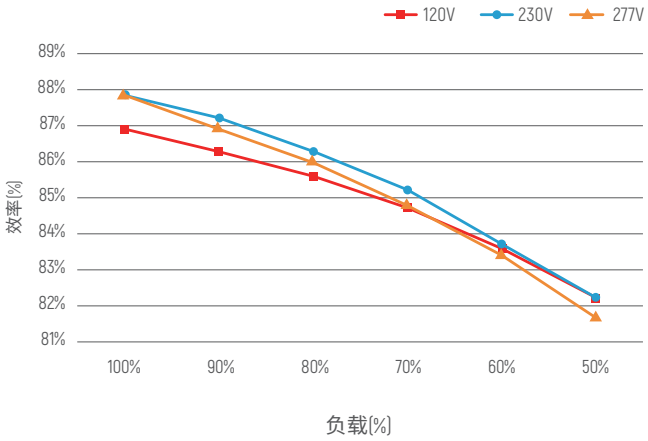


请勿将产品堆叠摆放，产品与产品间隔距离应≥12cm，避免影响产品散热和使用寿命。

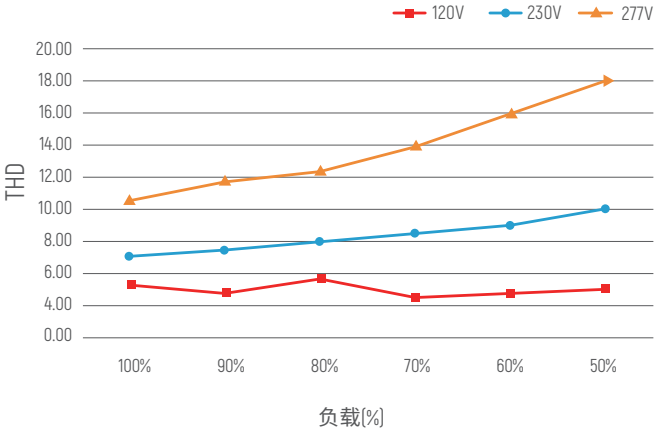
调光曲线



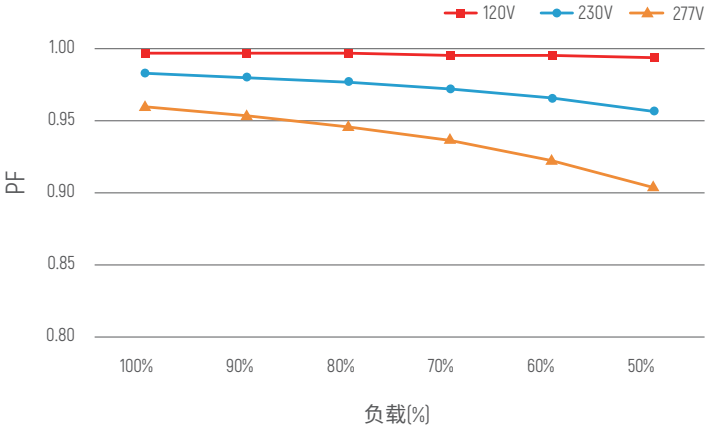
Efficiency vs 负载曲线



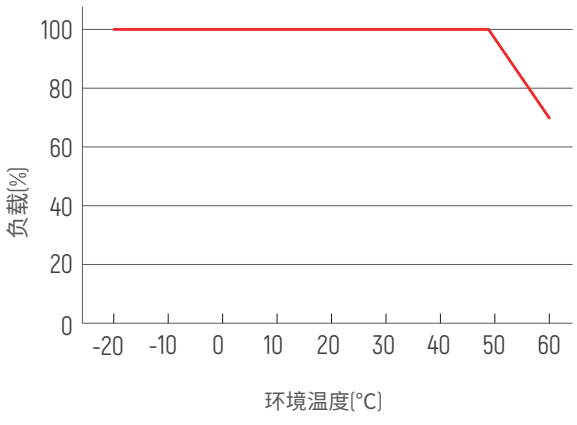
THD vs 负载曲线



PF vs 负载曲线

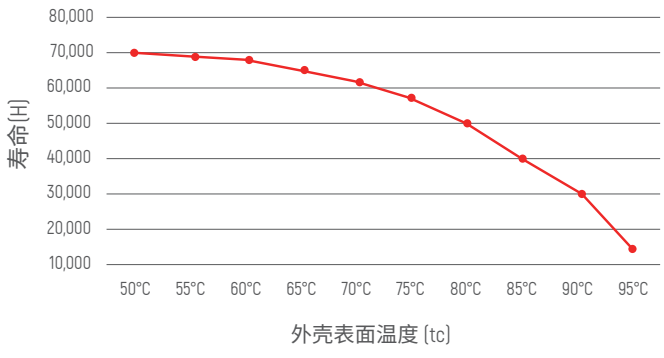


降额曲线



寿命 vs tc温度

LED驱动器的使用寿命如上图所示（根据90%的带载率计算）
tc-ta温度的关系也取决于灯具的设计



注意事项

本产品应由具备专业资格的人员进行调试与安装		
1	安装条件确认	·**防水与防护**：根据电源的防水和防护要求，选择合适的位置安装。无防水功能的产品应避免日晒雨淋，户外安装时请使用防水箱保护。 ·**散热要求**：驱动电源应避免暴露在高温环境中。请确保工作环境温度在推荐范围内。为确保驱动电源正常散热，安装时应选择通风良好的地方。良好的散热条件有助于延长产品寿命。
2	电源检查	·使用前，检查产品参数，确认LED电源的输出电压、电流符合要求
3	安全接线	·需使用符合规格的线缆，确保导线的截面与驱动电源要求匹配。通常为 0.75 – 2.5 mm^2 的实心线缆，〔具体线径要求请参阅丝印或说明书接线图〕。 ·若电源〔金属外壳〕安装在已接地的灯具部件或设备上，需要对电源进行接地处理。 ·避免热插拔，连接 LED 负载前应断电并重启驱动。
4	接线确认	·通电调试前，确保接线牢固，避免接触不良，以防电流不稳或设备损坏。
5	维修建议	·如产品发生故障，请勿私自维修。如有疑问，请联系供应商或销售处理。

※本说明书如有更新，恕不另行通知。如产品功能与说明书不符，以实际产品为准。

保修条例

1. **保修期**：自产品出厂之日起，享有 **5年保修期**。
2. **保修服务**：在保修期内，如因产品质量问题，欧切斯将提供**免费修理或更换**服务。

非保修条例

以下情况不在免费保修或更换服务范围内：

1. 超出保修期。
2. 由于过高电压、超负载、操作不当等人为原因造成的损坏。
3. 产品外观严重损坏或变形。
4. 产品正常使用过程中产生的磨损或老化。
5. 自然灾害或不可抗力因素造成的损坏。
6. 产品的质量检验标签损坏（QC PASS）。
7. 未提供与欧切斯签订的合同或有效发票凭证。

※补救措施：修理或更换是欧切斯对客户的唯一补救方式，且欧切斯不承担因修理或更换产生的附带损害赔偿责任，除非在适用法律范围内。

※保修条款的调整：欧切斯保留修改或调整保修条款的权利，并以书面形式发布为准。