

## PUP40D-2WMC-1200

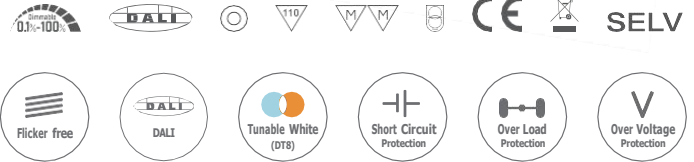
### Product Features

- 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

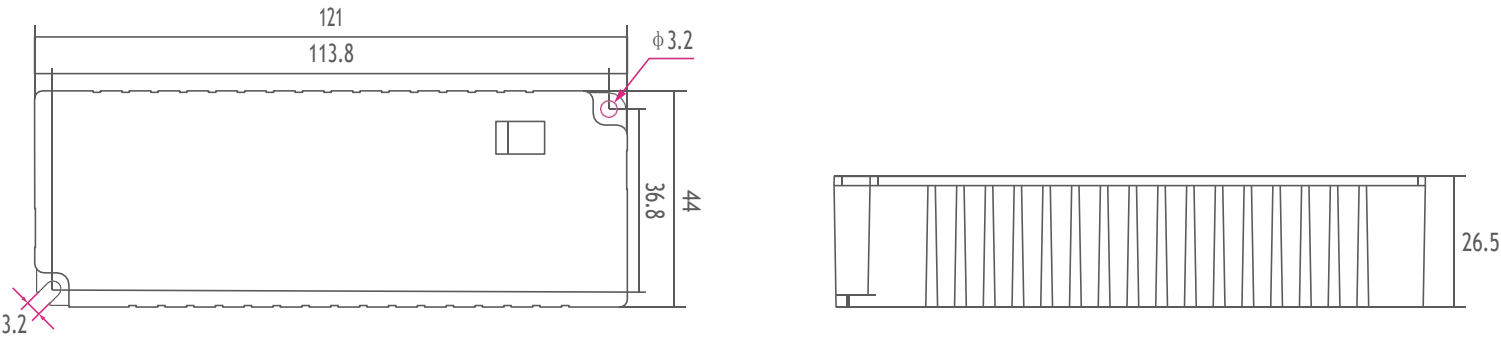
Model	PUP40D-2WMC-1200									
Input	Input Voltage	120VAC-277VAC								
	Frequency Range(Hz)	50/60Hz								
	Input Current	0.4Amax@120VAC		0.18Amax@277VAC						
	Power Factor	≥0.95@120VAC, Full load				≥0.95@277VAC, Full load				
	Efficiency	≥86%@120VAC, Full load				≥88%@277VAC, Full load				
	THD	≤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	850mA/9-42V/35.7W		900mA/9-42V/37.8W		950mA/9-42V/39.9W		1000mA/9-40V/40W		
	Output Current	1050mA/9-38V/39.9W		1100mA/9-36V/39.6W		1150mA/9-34V/39.1W		1200mA/9-33V/39.6W		
	Output Power									
	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℃-50℃ (-4° F-122° F)								
	Storage Temp.	-40℃-85℃ (-40° F-185° F)								
	Storage Humidity	20-90%RH (No condensation)								

Current Selection Table									
ON	OFF	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℃ [ 176°F ]
	material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:80℃ [ 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 °C without any special instructions.	

Dimension(mm)



Wring Diagram



Plastic case

All materials comply with the ROHs requirements

of Directive 2002/95/EC

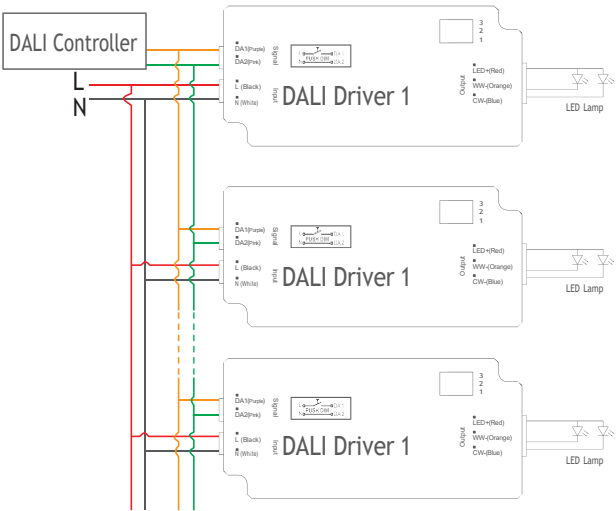
The cable must be UL certified

Input: Black and white :150mm, 18AWG

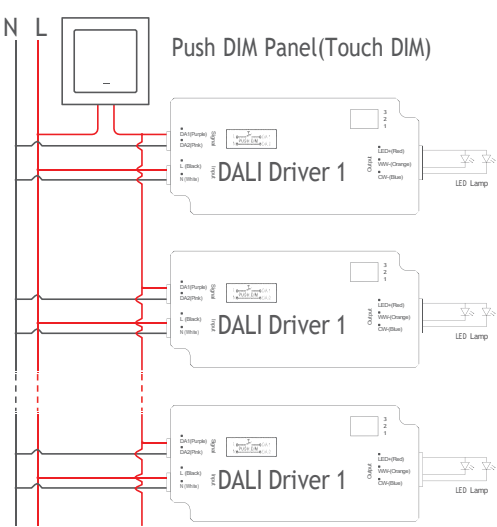
Output: Red Blue Orange :150mm, 18AWG

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

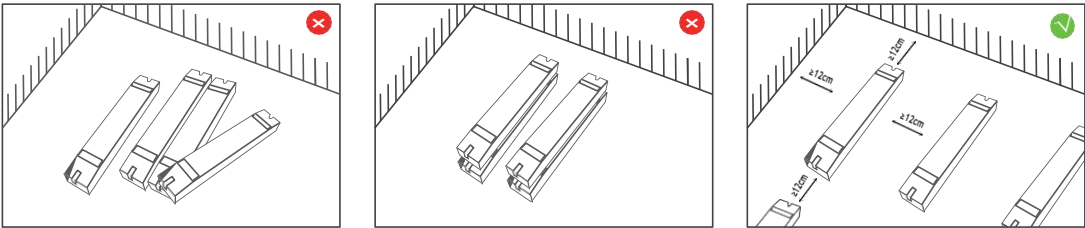
1. Press and hold Touch DIM for at least 8 seconds to switch to Touch DIM mode.
2. Short press the Touch DIM switch (<0.5 seconds) to control the brightness of the light.
3. Press and hold the Touch DIM switch (>0.5 seconds) to adjust the brightness of the light fixture. The brightness changes with each 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.

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

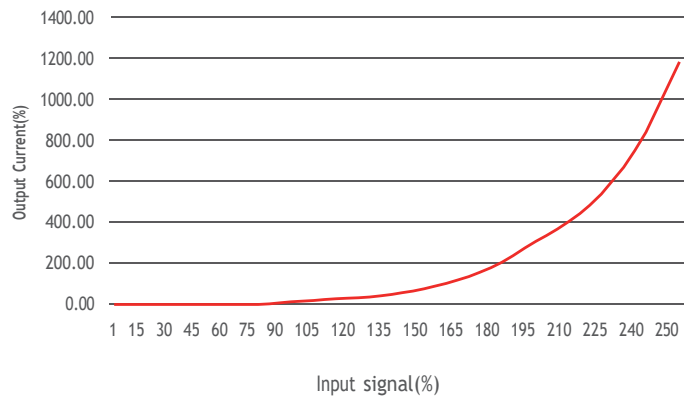
MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers	MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers
B10	25pcs	55pcs	C10	25pcs	55pcs
B13	32pcs	72pcs	C13	32pcs	72pcs
B16	40pcs	88pcs	C16	40pcs	88pcs
B20	50pcs	111pcs	C20	50pcs	111pcs
			D16	40pcs	88pcs

Installation Precautions

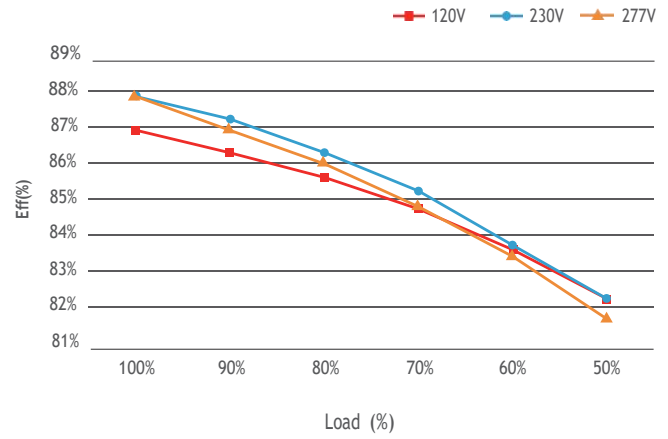


Please do not stack the products. The distance between two products should be>12cm so as not to affect heat dissipation and the lifespan of the products.

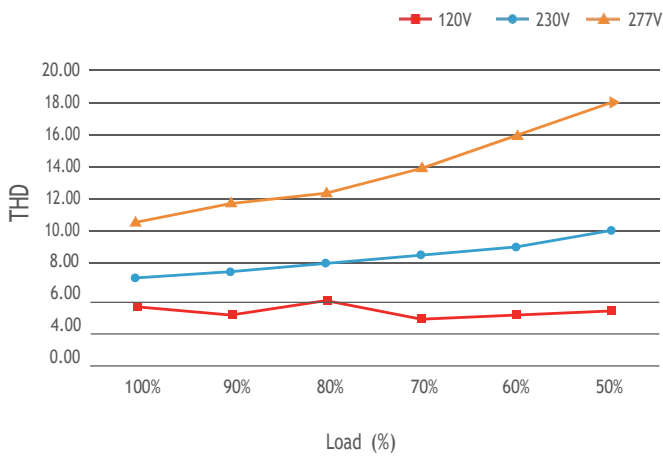
## Dimming Curve



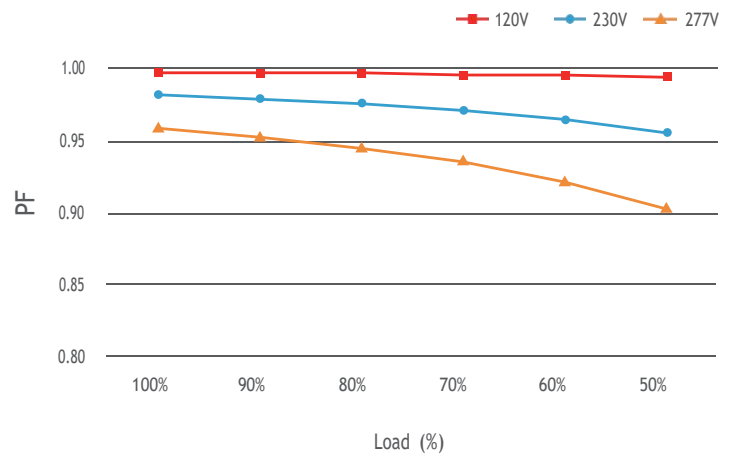
## Efficiency vs Load Curve



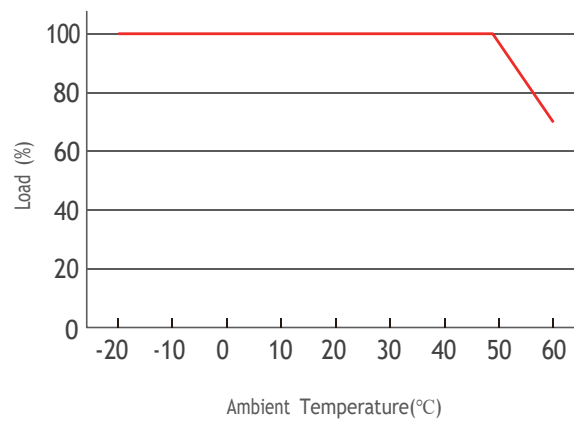
## THD vs Load Curve



## PF vs Load Curve



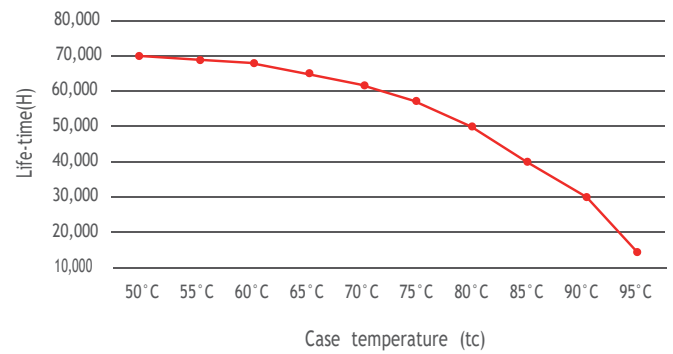
## Derating Curve



## 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  $t_c$   $t_a$  temperature depends also on the luminaire design.



## Cautions

This product must be installed and adjusted by a qualified professional.		
1	Confirmation of installation conditions	<ul style="list-style-type: none"><li>· <b>Waterproof and Protection:</b> 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.</li><li>· <b>Heat dissipation requirements:</b> 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.</li></ul>
2	Power check	<ul style="list-style-type: none"><li>· Before use, check the product parameters and confirm that the output voltage and current of the LED power supply meet the requirements</li></ul>
3	Safe wiring	<ul style="list-style-type: none"><li>· 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<sup>2</sup>, (Please refer to the silk screen printing or wiring diagram in the instruction manual for specific wire diameter requirements).</li><li>· If the power supply (metal casing) is installed on a grounded lighting component or equipment, the power supply needs to be grounded.</li><li>· To avoid hot swapping, power off and restart the driver before connecting the LED load.</li></ul>
4	Wiring confirmation	<ul style="list-style-type: none"><li>· Before power on debugging, ensure that the wiring is secure and avoid poor contact to prevent unstable current or equipment damage.</li></ul>
5	Repair suggestions	<ul style="list-style-type: none"><li>· 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.</li></ul>

※ 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.