

## PUP20T-1LMC

### Summary

PUP20T-1LMC is a constant current output mode LED driver. The output current can be easily set via DIP switch. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, achieve a smooth dimming effect.

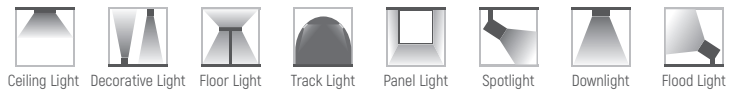


### Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Dimming Voltage 120VAC
- Built-in active PFC function
- Class 2 power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over voltage
- Suitable for indoor LED lighting application, such as down light, spotlights, panel light, and so on



### Application

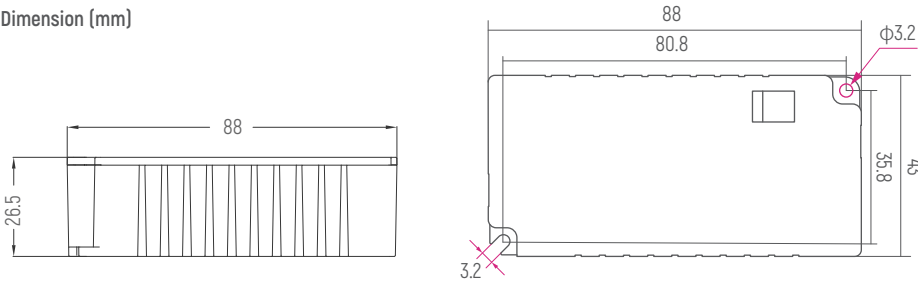


### Technical Parameters

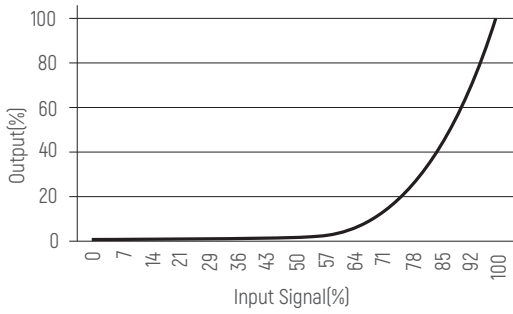
Model		PUP20T-1LMC			
Input	Voltage	120VAC			
	Frequency	50/60Hz			
	Efficiency	79%@120VAC, Full load			
	PF	0.92@120VAC, Full load			
	Current	0.23Amax@120VAC			
	THD(Full load)	<20%@120VAC, Full load			
	Inrush Current	Cold start,10A@120VAC			
	Standby Power	<2.5W			
Output	Current/Voltage/Power	350mA/9-45V/15.7W 400mA/9-45V/18W	450mA/9-44V/19.8W 500mA/9-40V/20W	550mA/9-36V/19.8W 600mA/9-33V/19.8W	650mA/9-30.7V/20W 700mA/9-28.5V/20W
	Channel	1			
	No load output voltage	58V Max			
	Frequency	2KHz PWM			
	Current Accuracy	±5%			
	LF current ripple(<120 Hz)	<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			
	Safety standards	UL8750/UL1310			
	EMI Eission	FCC PART 18			
Function	EMC Immunity	FCC class B(120V)			
	Dimming type	TRIAC			
Others	Dimming range	3%-100%			
	Dimension	88*43*26.5mm (L*W*H)			
	Pack Information	Net weight: 105g±5%/PCS; 50PCS/ Carton; 5.75kg±5%/Carton; Carton Size: 234x222x194mm(L*W*H)			
	IP rating	IP20			
	Working temp.	-20°C~50°C			
	tc	90°C			
	Relative humidity	20-90% RH			
	Lifetime	50,000h@tc:70°C			
Material	PC				
Switch cycle	>25,000 tims				

Remark: Use only within an enclosure

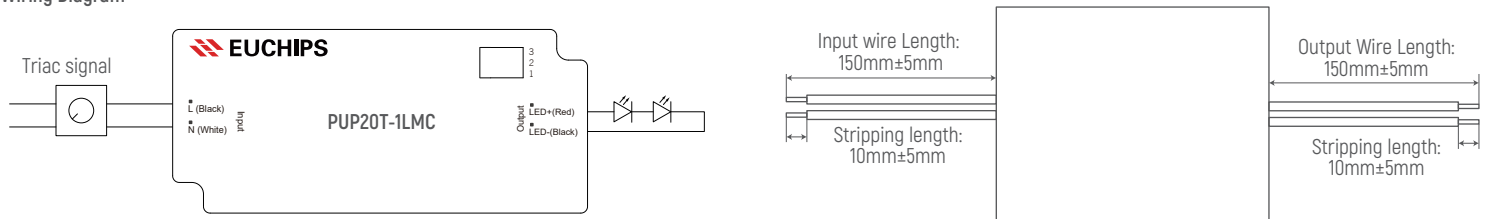
Dimension (mm)



Dimming Curve



Wiring Diagram



Current Selection Table

PUP20T-1LMC is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ON	OFF	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
		2-21V	2-21V	2-21V	2-20V	2-18V	2-16V	2-15V	2-14V

Remark: Function default setting is: 350mA(@switch are all OFF state)

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 0.75-2.5mm<sup>2</sup> 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.