

PUP10T-1LMC-350

Summary

PUP10T-1LMC-350 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 Feature

- Single channel output, output current level selectable by DIP S.W.
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Built-in active PFC function
- TRIAC and ELV dimming at 120 Vac only
- Class II 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



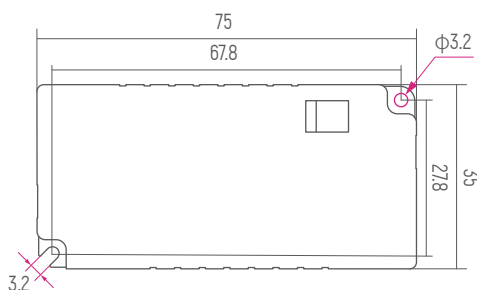
Technical Parameters

Model	PUP10T-1LMC-350				
Input	Efficiency	70%@120VAC, Full load			
	Voltage	120-277VAC			
	Frequency	50/60Hz			
	Power Factor	0.92@120VAC, Full load			
	THD	<20%@120VAC, Full load			
	Current	0.13Amax@120VAC, Full load			
	Inrush Current	Cold start, 30A@120VAC			
Output	Current/Voltage/Power 350mA	120mA/9-42VDC/5.04W *250mA/9-40VDC/10W	150mA/9-42VDC/6.3W *300mA/9-33VDC/9.99W	180mA/9-42VDC/7.56W 320mA/9-31VDC/9.92W	210mA/9-42VDC/8.82W 350mA/9-28VDC/9.8W
	Ripple Current	<3%			
	Channel	1			
	Current Tolerance	±5%			
	Frequency	4KHz PWM			
	No Load Output Voltage	50V Max			
	Turn On Delay Time	<1s, at 120Vac			
Protection	Over Voltage	Hiccup, recovers after fault condition is removed			
	Short Circuit	Shut down the output automatically recovers after faulty condition is removed.			
	Over Load	When the output voltage is exceeded, decreases and, recovers automatically when the load is reduced.			
Safety & EMC	Surge	L-N:0.5kV;			
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA			
	Safety standards	EN61347-2-13			
	EMI Eission	EN55015			
	EMC Immunity	EN61000-3-3 EN61000-4-3 EN61000-4-4 EN61000-4-5			
Function	Dimming type	TRIAC/ELV			
	Dimming range	3%-100%			
Others	Working Temp.	-20°C~50°C			
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH			
	Tc	90°C			
	Material	PC			
	IP Rating	IP20			
	Lifetime	50,000h@tc:85°C			
	Warranty Condition	5 years			
	Switch Cycle	>25,000 times			
	Pack Information	N.W: 96g±5%/PCS; 100PCS/Carton; 10.1kg±5%/Carton; Carton Size: 398x210x208mm(L*W*H)			
	Dimension	75*35*26.5mm(L*W*H)			

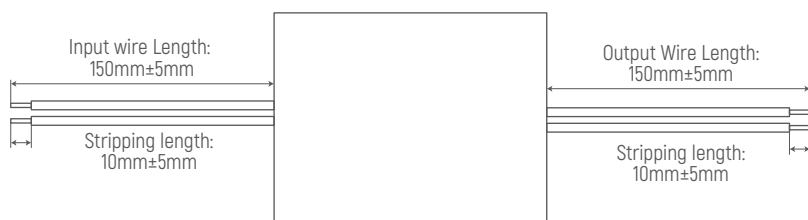
Remark: Use only within an enclosure

*Tolerance: 250mA 1-7%; 300mA -6-0%;

Technical drawing of a door. The drawing shows a vertical rectangular door with a handle on the left side. A dimension line on the right indicates a height of 26.5.



Wiring diagram for the PUP10T-1LMC-350 LED strip light. The diagram shows a Triac Dimmer connected to the input terminals (L (Black) and N (White)) of the PUP10T-1LMC-350 module. The module has an output terminal (LED+ (Red) and LED- (Black)) connected to a series of LEDs. The module is labeled with the model number PUP10T-1LMC-350 and the Euchips logo.



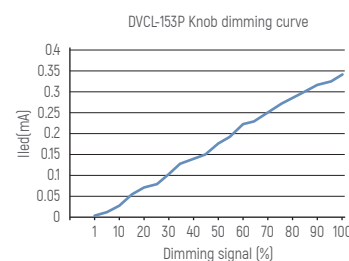
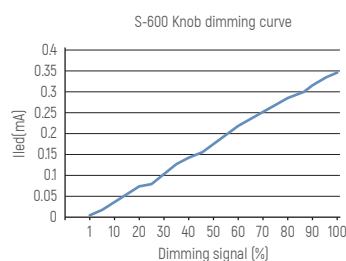
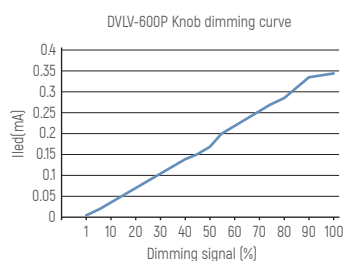
Graph of Output (%) vs Input Voltage (VAC) for the 100V model. The output is 0% for input voltages up to 120V, then rises sharply to 100% at 120V and remains constant up to 277V.

PUP10T-1LMC-350 is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

[illegible]

Remark: Function default setting is: 120mA(@switch are all OFF state)

Model	Does it match
Lutron DVLV-600P	OK
Lutron S-600	OK
Lutron DVCL-153P	OK



- 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 0.75-2.5mm² 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.

User's manual: 2023.12

PUP10T-1LMC-350

概述

PUP10T-1LMC-350可以提供多挡电流的LED 驱动器，输出电流可以通过DIP 拨码开关
简易设置, 这款驱动器支持前沿切相和后沿切相调光器，调光曲线平滑。

产品特点

- 单通道恒流输出，多级电流可选
- 支持前缘(Triac)和后缘(ELV)调光器
- 内置主动PFC功能
- 仅在120 Vac下进行TRIAC和ELV调光
- Class II 电源，全保护性塑料外壳
- 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、射灯、面板灯等



应用



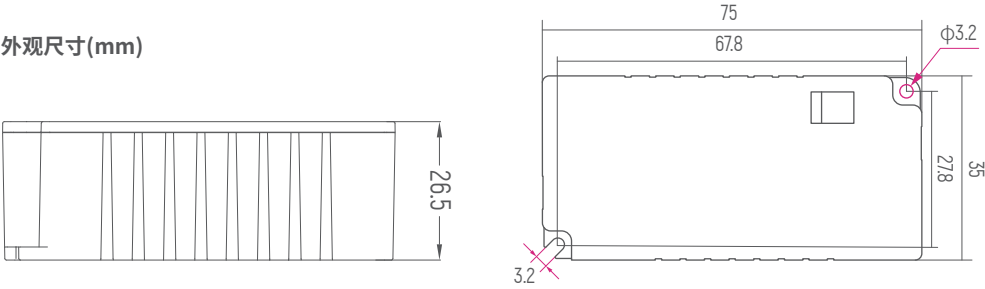
技术参数

型号	PUP10T-1LMC-350				
输入	效率	70%@120VAC, 满载			
	电压	120-277VAC			
	频率	50/60Hz			
	功率因素	0.92@120VAC, 满载			
	THD	<20%@120VAC, 满载			
	电流	0.13Amax@120VAC, 满载			
	浪涌电流	冷启动, 30A@120VAC			
输出	电流/电压/功率 350mA	120mA/9-42VDC/5.04W *250mA/9-40VDC/10W	150mA/9-42VDC/6.3W *300mA/9-33VDC/9.99W	180mA/9-42VDC/7.56W 320mA/9-31VDC/9.92W	210mA/9-42VDC/8.82W 350mA/9-28VDC/9.8W
	波纹电流	<3%			
	通道	1			
	电流公差	±5%			
	频率	4KHz PWM			
	空载输出电压	50V Max			
	启动延时	<1s, at 120Vac			
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			
	安全标准	EN61347-2-13			
	电磁兼容	EN55015			
	EMC电磁抗扰度	EN61000-3-3 EN61000-4-3 EN61000-4-4 EN61000-4-5			
功能	调光模式	前沿TRIAC/后沿ELV切相			
	调光范围	3%-100%			
其它	工作温度	-20°C~50°C			
	储存温度、湿度	-40°C~85°C, 20-90%RH			
	tc	90°C			
	材质	PC			
	防水等级	IP20			
	寿命	50,000小时@tc:85°C			
	质保	5年			
	开关周期	>25,000次			
	包装信息	净重: 96g±5%/个; 100个/箱; 10.1kg±5%/箱; 外箱尺寸: 398x210x208mm(L*W*H)			
	尺寸	75*35*26.5mm(长*宽*高)			

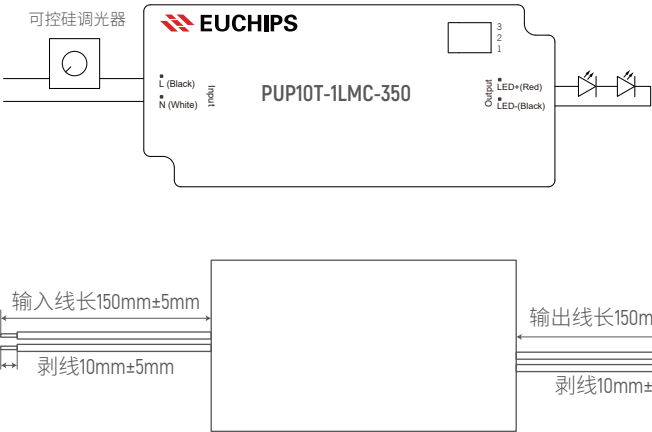
备注: 仅在外壳内使用

*公差: 250mA 1-7%; 300mA -6-0%;

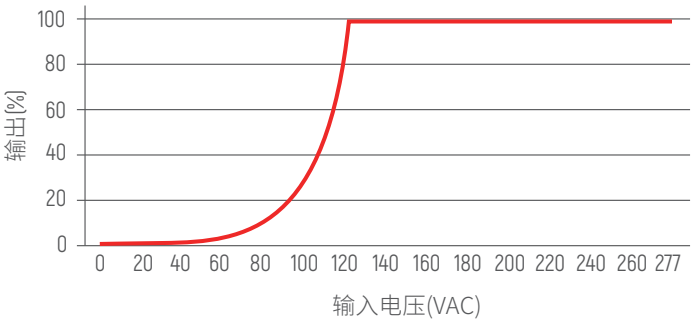
外观尺寸(mm)



应用接线图



调光曲线



电流选择表

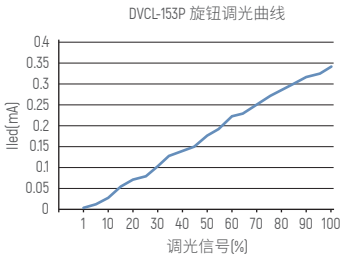
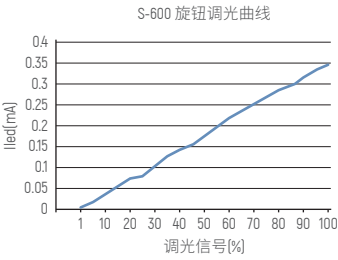
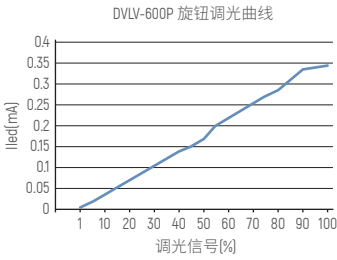
PUP10T-1LMC-350是一个多电流调光驱动器，输出电流可通过DIP S.W.选择，如下所示：

ON	OFF	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		120mA	150mA	180mA	210mA	250mA	300mA	320mA	350mA												
		9-42V	9-42V	9-42V	9-42V	9-40V	9-33V	9-31V	9-28V												

备注：出厂默认设置电流为120mA(1,2,3在OFF状态)

调光器匹配表

型号	是否匹配
路创 DVLV-600P	OK
路创 S-600	OK
路创 DVCL-153P	OK



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，推荐输入和输出用0.75-1.5mm²PVC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，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。