

# LED DRIVER 10W 350-700MA TRIAC CC DIM 10T-1HMC-0

SKU: F6011002-003

## Summary

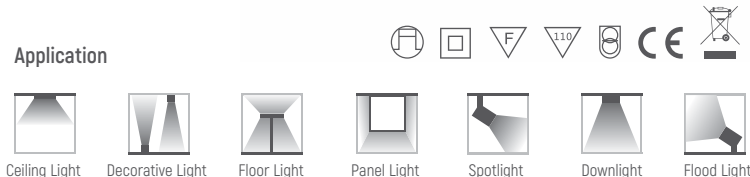
EUP10T-1HMC-0-120 is a constant output mode LED driver. The output current can be easily set via DIP switch. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB, Siemens, Dalitek etc.) to 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
- Dimming range from 40VAC to 240VAC
- Class II power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load
- Suitable for indoor LED lighting application, such as down light, spot light, and so on



## Application

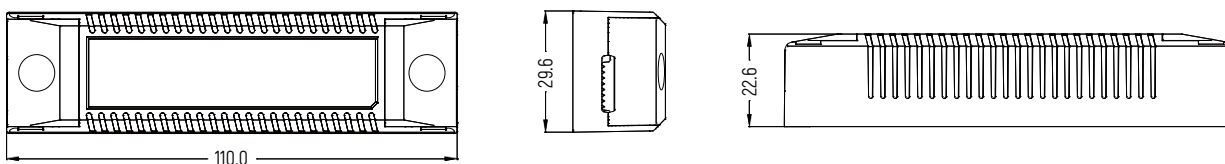


## Technical Parameters

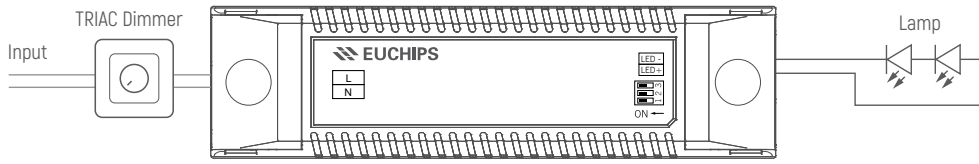
<b>Model</b>	<b>EUP10T-1HMC-0-120</b>				
<b>Input</b>	Efficiency	75%@230VAC, Full load			
	Voltage	220VAC-240VAC			
	Frequency	50/60Hz			
	Current	0.12Amax@230VAC, Full load			
	Inrush Current	Cold start, 28A(twidth=30us measured at 50% Ipeak@230VAC)			
<b>Output</b>	Current/Voltage/Power	120mA/9-42VDC/5.04W ※ 250mA/9-40VDC/10W	150mA/9-42VDC/6.3W ※ 300mA/9-33VDC/9.9W	180mA/9-42VDC/7.56W 320mA/9-31VDC/9.92W	210mA/9-42VDC/8.82W 350mA/9-28DC/9.8W
	Ripple Current	<3%			
	Channel	1			
	Current Tolerance	±7%			
	No Load Output Voltage	50V Max			
	Turn On Delay Time	<1s, at 230Vac			
<b>Function</b>	Dimming Mode	Triac		ELV	
<b>Protection</b>	Short Circuit	Close output, recovers automatically after fault removed			
	Over Load	When the output voltage is exceeded, decreases and, recovers automatically when the load is reduced.			
<b>Others</b>	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:75°C			
	Warranty Condition	5 years			
	Switch Cycle	>100,000 times			
	Packing(weight)	Net weight: 90g±5%/PCS; 100PCS/Carton; 7kg±5%/Carton; Carton Size: 51.7*23.7*142cm(L*W*H)			
Dimension	110*30*22mm(L*W*H)				

※ Tolerance: 250mA 1-8%; 300mA -6-0%

## Dimension(mm)



## Wiring Diagram

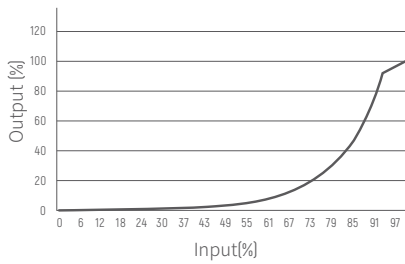


## Current Selection Table

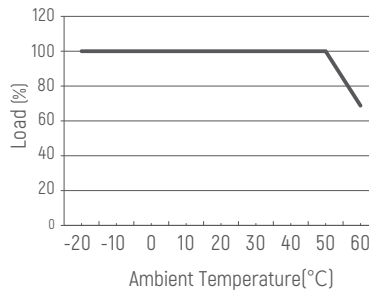
ON	OFF	1	2	3										
		120mA	150mA	180mA	210mA	250mA	300mA	320mA	350mA					
		9-42V	9-42V	9-42V	9-42V	9-40V	9-34V	9-31V	9-28V					

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

## Dimming Curve



## Derating Curve



## Cautions

- 1.The product shall be installed and serviced by a qualified person.
- 2.This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4.Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
- 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.For safety consideration, PVC or rubber cord of 0.75-1.5mm<sup>2</sup> is recommended for input and output terminal(s) . 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.If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.