

EUP20T-1HMC-0(10410000101)

Summary

EUP20T-1HMC-0 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, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB, Siemens, Dalitek etc.) to achieve a smooth dimming effect.

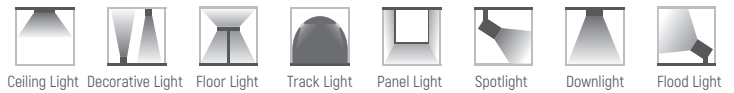


Product Feature

- 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
- Built-in active PFC function
- Class 2 power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- Suitable for indoor LED lighting application, such as down light, spotlights, panel light, and so on



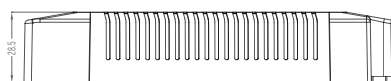
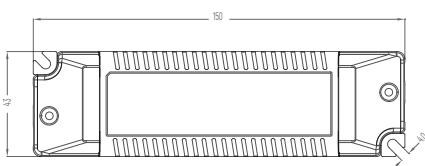
Application



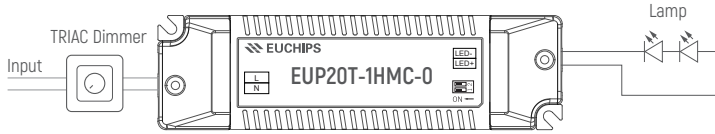
Technical Parameters

Model	EUP20T-1HMC-0				
Input	Efficiency	81%@230VAC, Full load			
	Voltage	220VAC-240VAC			
	Frequency	50/60Hz			
	Power Factor	≥0.95@230VAC,full load			
	Current	0.12Amax@230VAC,			
	THD	<20%@230VAC,full load			
	Inrush Current	Cold start, 15A(twidth=30us measured at 50% Ipeak@230VAC			
Output	Current/Voltage/Power	350mA/9-40VDC/14W	450mA/9-40VDC/18W	550mA/9-36VDC/19.8W	650mA/9-30VDC/19.5W
		400mA/9-40VDC/16W	500mA/9-40VDC/20W	600mA/9-33VDC/19.8W	700mA/9-28VDC/19.6W
	Ripple Current	<3%			
	Channel	1			
	Current Tolerance	±5%			
	No Load Output Voltage	48V Max			
Turn On Delay Time	<1s, at 230Vac				
Function	Dimming Mode	Triac/ELV			
Protection	Over temperature	Shut down the output, recovers automatically when temp. back to normal.			
	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.			
Others	Working Temp.	-20°C~50°C			
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH			
	Tc	75°C			
	Material	PC			
	IP Rating	IP20			
	Lifetime	30,000h@tc:75°C			
	Warranty Condition	3 years			
	Switch Cycle	>15,000 times			
	Packing Size	Net weight: 130g±5%/PCS; 50PCS/Carton; 7kg±5%/Carton; Carton Size: 374*314*166mm(L*W*H)			
	Dimension	150*43*29mm(L*W*H)			

Dimension(mm)



Wiring Diagram

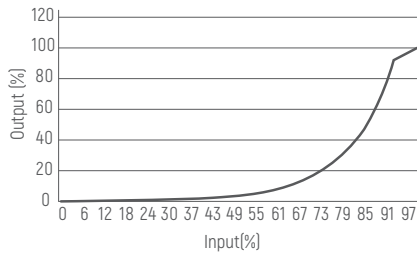


Current Selection Table

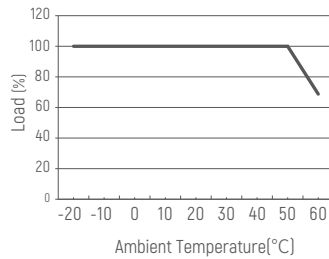
ON	OFF	1	2	3	4	5	6	7	8	9
		350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	
		9-40V	9-40V	9-40V	9-40V	9-36V	9-33V	9-30V	9-28V	

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

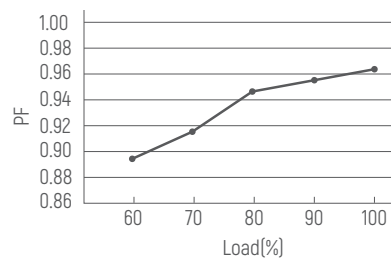
Dimming Curve



Derating Curve



PF VS Load



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 0.75-1.5mm² 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.

※ 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 .