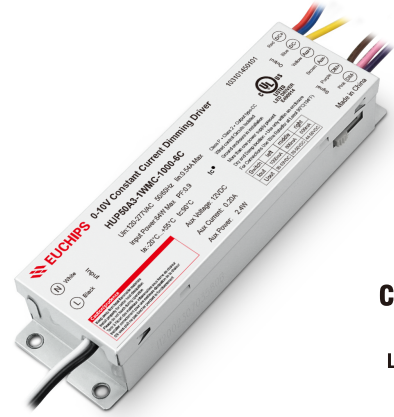
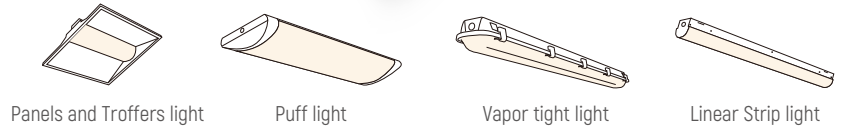


## HUP50A3-1WMC-1000-6C

### Product Features

- Wide input voltage of 108-305Vac
- Great Surge 2.5kV(ringwave)
- 50,000Hour Life @ Tc=90C (194°F)
- 5 Years Warranty @ Tc<=90C (194°F)
- ±5% Output Current Accuracy
- 0-10V
- UL Class P, Class 2
- Safety according to UL8750 &UL 1310

### Application



### Technical Parameters

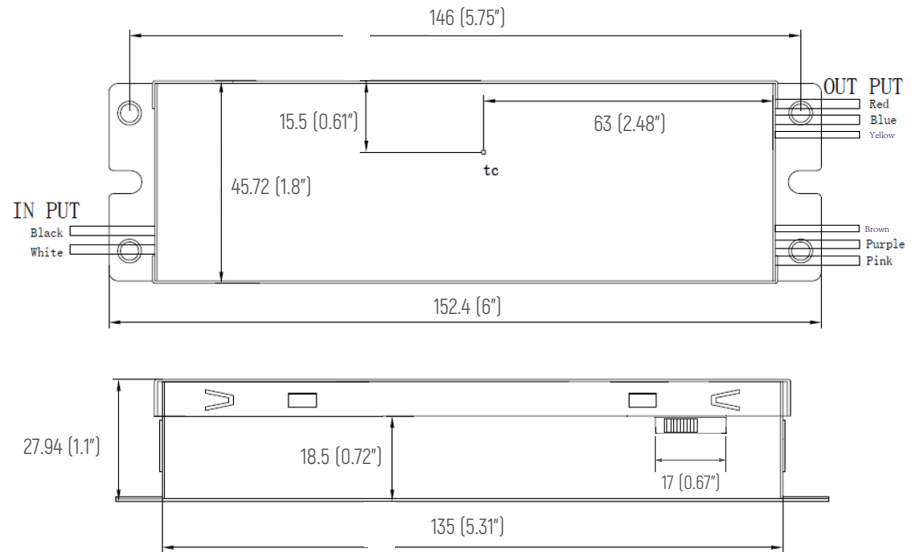
Model	HUP50A3-1WMC-1000-6C			
Input	Efficiency	86%@120Vac&Full-Load		
	Voltage	120-277VAC		
	Frequency	47-63Hz		
	Power Factor	>0.9@120Vac&Full-Load		
	THD	<20%@120Vac&Full-Load		
	Current	0.54Amax@120Vac & Full-Load,		
	Inrush Current	40A peak, 1.2ms duration, <0.25A2s@120Vac, Cold Start		
	Leakage Current	0.75mA max @277Vac 60Hz, UL8750		
Output	Switch	left <input type="checkbox"/>	Middle <input type="checkbox"/>	right <input type="checkbox"/>
	Current(mA)	1000mA	800mA	600mA
	Voltage (VDC)	30-50Vdc	38-50Vdc	44-50Vdc
	Power(W)	50W	40W	30W
	Current Accuracy	±5%lo		
	Channel	1		
	Ripple Current	Ip-p:8%Io max		
	Setup Time	0.75s max		
	Auxiliary Power (Vaux)	12V(0-200mA)		
Function	Dimming Type	0-10V		
Protection	Surge Protection	L-N 2.5KV L/N-PE 2.5KV The RING WAVE is IEC61000-4-12		
	Short Circuit	Auto recovery. The output recovers when short is removed.		
EMC	EMC	FCC Part 15 Class A		
Others	Operating Temperature	-20°C~+55°C [-40°F~185°F] ; 10%RH~100%RH		
	Storage Temperature	-40 C ~+85 C [-4°F~131°F] ; 5%RH~100%RH		
	MTBF	≥320,000 hours, 75 C [167°F] case temperature (MIL-HDBK-217F)		
	Lifetime	≥50,000 hours, 90 C [194°F] case temperature, refer to life vs. Tc curve		
	Case Temperature	90 C [194°F]		
	Dimensions	6x1.8x1.1 Inch [152.4*45.72*27.94mm] [L*W*H]		
	Net Weight	380g (0.83 lb)		
Packing	N/A			

Notes: Unless specified, all the test results are measured in 25 °C (77°F) room temperature.

\* marked items are optional contact sales people to get the functions

## Dimension(mm)

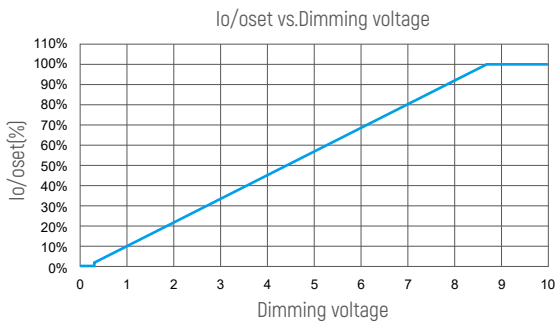
Metal case  
 All material to be ROHs compliant to Directive 2002/95/EC  
 Wires to be Stranded with UL approval  
 Input: Black & White: 260mm , 18AWG  
 Output: Red & Blue: 300mm , 20AWG  
 Dimming: Purple & Pink: 260mm , 18AWG  
 Output: Yellow & Brown: 260mm , 20AWG (12Vaux)



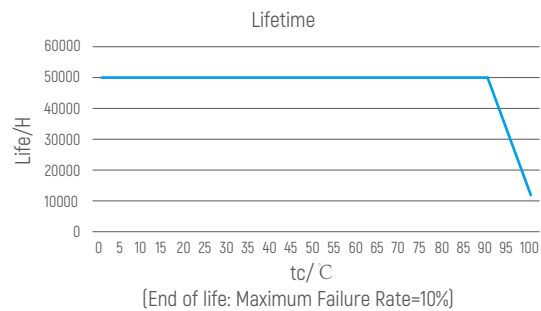
## Dimming

Parameter	Min	Typ.	Max.
Vdim Sourcing Current	90uA	100uA	110uA
0-10V Dimming Range	0% (Vdim≤0.3V)	Linear	100% (Vdim=8.7V)

## Dimming Curve



## Lifetime vs. Case Temperature



## Nameplate

EUCHIPS

0-10V Constant Current Dimming Driver

103101450101

**HUP50A3-1WMC-1000-6C**

Uin: 120-277VAC 50/60Hz Iin: 0.54A Max

Input Power: 64W Max PF: 0.9

ta: -20°C...+55°C tc: 90°C

Class P • Class 2 • Output type-CC

Wired control Circuits Isolated

Ground enclosure in installation

More than one power supply present

Dry and Damp location • Use only within an enclosure

For Connections Use Wire Rated for at Least 90°C(194°F)

Red (DC+)

Blue (DC-)

Yellow (Aux+)

Brown (Aux-)

Purple (DIM+)

Pink (DIM-)

Aux Voltage: 12VDC

Aux Current: 0.20A

Aux Power: 2.4W

Switch	left	middle	right
Iout	1000mA	800mA	600mA
Uout	30-50VDC	38-50VDC	44-50VDC

UL LISTED LED DRIVER E490914

Made in China

**Caution/prudence**

Keep away from heat flammable materials

Install properly for better heat dissipation

Please do not touch during operation

Tenez à l'écart des matériaux inflammables sous forme de chaleur

Installez correctement pour une meilleure dissipation de la chaleur

S'il vous plaît ne pas toucher pendant le fonctionnement

## Cautions

- This product should be installed by qualified personnel.
- 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.
- Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 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.
- 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.