

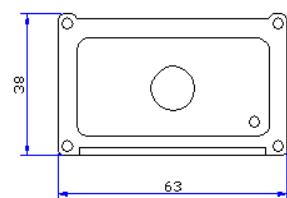
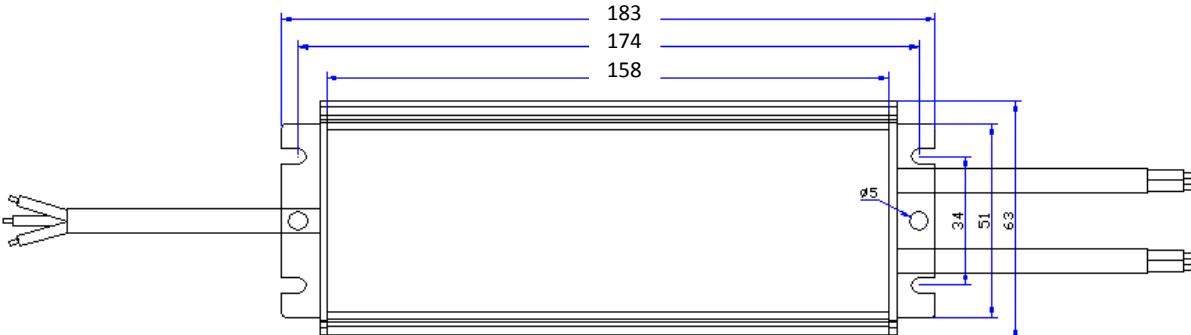
Specification Sheet	Product	50W 850mA Adjustable current driver with 1-10V dimming	version: 2.0	Page:1/2			
	Model	HQLPC50/123/850AP/D4E1	Date	2019-8-14			
		<p>■Features:</p> <ul style="list-style-type: none"> Universal AC input:100~277VAC. Built-in active PFC function. Efficiency over 86%. Protections: Short circuit, Over temperature protection. IP65, input/output ports are connected to the wire. Constant current output, output current can be adjusted by external potentiometer. With 1-10V/PWM dimming function . Suitable for LED lighting applications. Conforms to IEC and GB lighting equipment safety regulations. Independent installation,installed in indoor/outdoor. 					
ADJUSTABLE CURRENT LED DRIVER WITH 1-10V DIMMING							
SPECIFICATION							
INPUT	Voltage range	Rated voltage range:100~277VAC , (Input voltage range:100~180VAC, 70% power use)					
	Frequency range	47~63Hz					
	Power factor	0.95 (100%full load)					
	Efficiency(Typ.)	≥86%	Test condition: Input Voltage 277VAC,100% full load.				
	AC current	≤0.44A/100VAC; ≤0.28A/220VAC					
	Start up inrush current(Typ.)	cold start: 50A Max. /277VAC					
	Leakage current	Contact current ≤0.7mA at 277VAC, Protect conductor current ≤2mA at 277VAC					
	THD	<20%					
	Input the dimming signal	1-10V/PWM(10V/100-1KHz)					
OUTPUT	Output channel	1 channel					
	Output current and voltage	330~850mA (Adjustable Current)	60~150Vdc				
	Rated power	50W (200~277VAC)	35W (100~180VAC)				
	Tolerance	±5%					
	Dimming Range	10%-100%					
	Output ripple current	≤30% (100% full load)					
	Output overshoot / undershoot current	≤10%,when power open and shut down					
	Start up time	0~1S,100VAC ; 0~0.5S,277VAC					
	Short circuit protection	Products without damage, when abnormal condition removed , re-power on to recover.					
	Over temperature protection	Protection shell maximum temperature 110 °C, over temperature protection startup, shut down output, can be automatically restored after the temperature is					
ENVIRONMENT	Working TEMP.	-40~+50°C (100%full load)					
	Max. CASE TEMP.	90°C (100%full load)					
	Working humidity	20~95%RH, non-condensing					
	Storage TEMP.,humidity	-40~+80°C, 10~95%RH					
	Temp. coefficient	±0.03%/°C (0~50°C)					
	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes					
SAFETY&EMC	Safety standards	GB19510.1/IEC61347-1 ; GB19510.14/IEC61347-2-13					
	Withstand voltage	I/P-O/P:3.75KVAC 60S(Leakage current<100mA) I/P-FG:1.875KVAC O/P-FG:1.5KVAC ,60S(Leakage current<10mA)					
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:>100MΩ at 500VDC/25°C/70%RH					
	EMC emission	GB17625.1/IEC61000-3-2 ;GB17743/CISPR15					
	EMC immunity	GB/T 18595/IEC61547					
		Surge immunity: L-N: 6KV; L,N-G: 6KV					
LIFE	50,000 hours at Tc=80°C						
SIZE	183x63x38mm(LxWxH),find below dimension.						
WEIGHT							
NOTE	1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25°C of ambient temperature . 2.The LED driver is considered as a component that will be operated in combination with final equipment , since EMC performance will be affected by the complete installation ,the final equipment manufacturers must re-qualify EMC directive on the complete installation again . 3.Detail warranty terms please refer to warranty statement.						

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■SIZE

UNIT: mm

TOERLANCE: ±1mm



■WIRE

Input wire: 3×1.0 rubber wire, Line length 350±20mm, decortication 30mm, endothelial 5mm solder;

Signal input wire: 2×1.0 rubber wire, Line length 300±20mm, decortication 30mm, endothelial 5mm solder;

Output wire: 2×1.0 rubber wire, Line length 300±20mm, decortication 30mm, endothelial 5mm solder;

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Please refer to the actual products provided by HUAQUAN for specific details.