

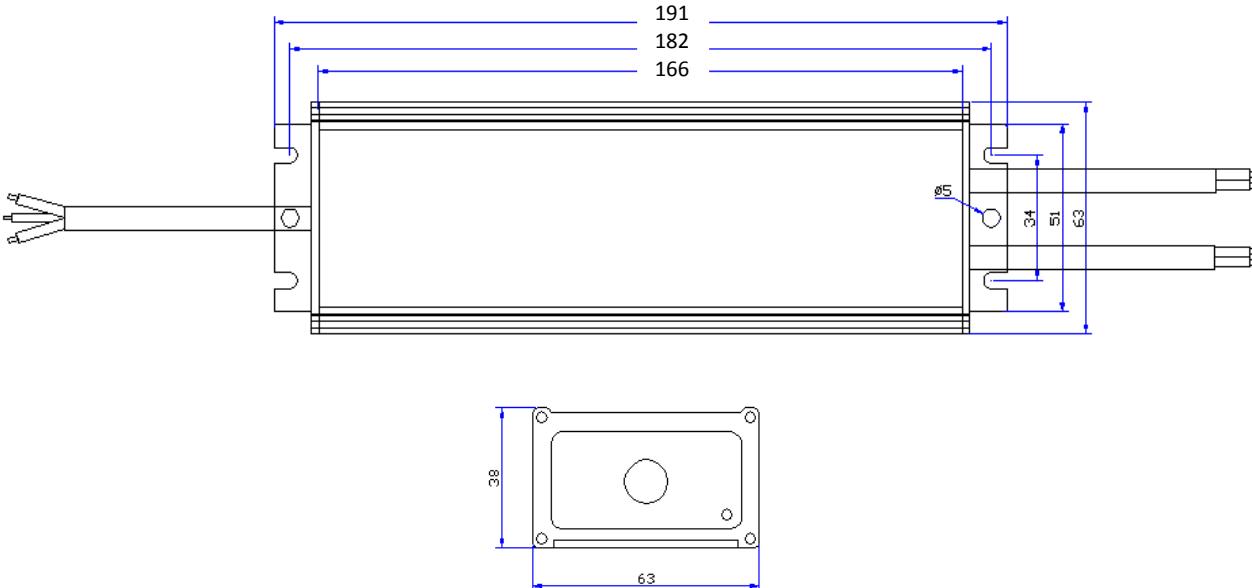
Specification Sheet	Product	75W 3150mA Adjustable current driver with 1-10V dimming	version: 2.0	Page:1/2		
	Model	HQLPC75/123/3150AP/D4E1	Date	2019-8-14		
		<p>■Features:</p> <ul style="list-style-type: none"> •Universal AC input:100~277VAC. •Built-in active PFC function. •Efficiency over 88%. •Protections: 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.)	≥88%	Test condition: Input Voltage 277VAC,100% full load.			
	AC current	≤0.64A/100VAC; ≤0.43A/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	1500~3150mA (Adjustable Current)	24~50Vdc			
	Rated power	75W (200~277VAC)	52.5W (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 normal				
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 impulse tes:L-N,6KV ; L,N-G,6KV			
LIFE	50,000 hours at Tc=80°C					
SIZE	191x63x38mm(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: $\pm 1\text{mm}$



■WIRE

Input wire: 3x1.0 rubber wire, Line length $350\pm 20\text{mm}$, decortication 30mm, endothelial 5mm solder;

Signal input wire: 2x1.0 rubber wire, Line length $300\pm 20\text{mm}$, decortication 30mm, endothelial 5mm solder;

Output wire: 2x1.0 rubber wire, Line length $300\pm 20\text{mm}$, decortication 30mm, endothelial 5mm solder;

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