

| | | | | |
|---------------------|---------|---|--------------|-----------|
| 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 |



■Features:

- 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

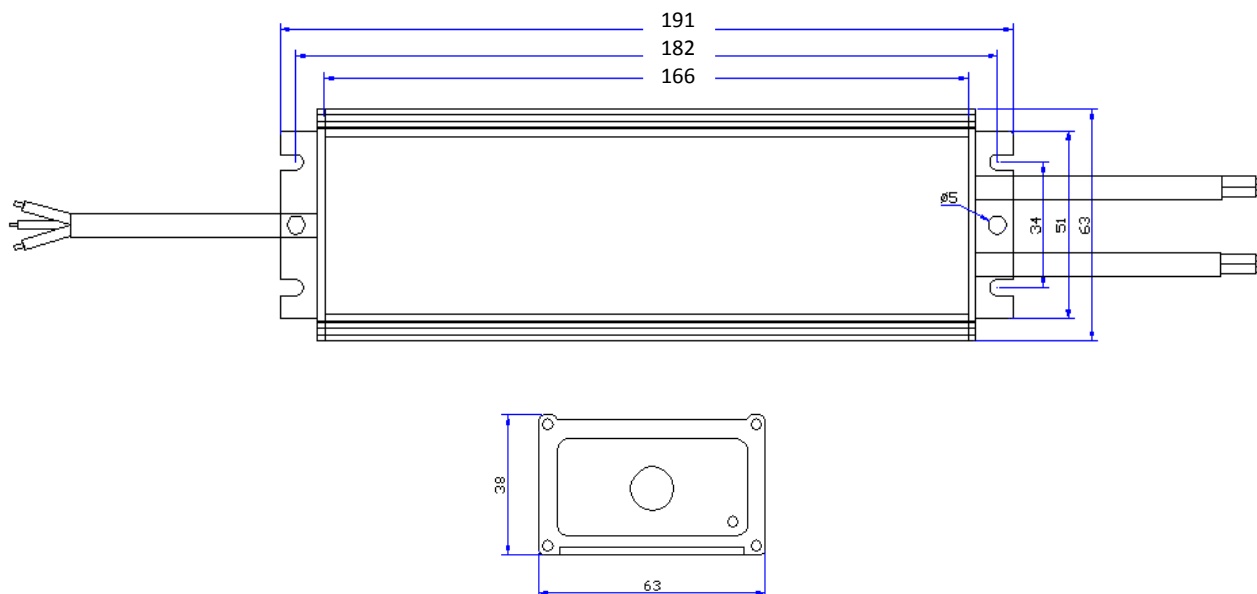
| | | | | |
|---------------------------------------|---|--|--|--|
| INPUT | Voltage range | Rated voltage range:100~277VAC , (Input voltage range:100~180VAC, 70% power use) | | |
| | Frequency range | 47~63Hz | | |
| | Power factor | 0.95 (100%full load) | | |
| | Efficiency(Typ.) | ≥88% | Test condition: 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℃ , over temperature protection startup, shut down output, can be automatically restored after the temperature is normal | | | |
| ENVIRONMENT | Working TEMP. | -40~+50℃ (100%full load) | | |
| | Max. CASE TEMP. | 90℃ (100%full load) | | |
| | Working humidity | 20~95%RH, non-condensing | | |
| | Storage TEMP.,humidity | -40~+80℃, 10~95%RH | | |
| | Temp. coefficient | ±0.03%/℃ (0~50℃) | | |
| | 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 curent<100mA) I/P-FG:1.875KVAC O/P-FG:1.5KVAC ,60S(Leakage curent<10mA) | | |
| | Isolation resistance | I/P-O/P,I/P-FG,O/P-FG:>100MΩ at 500VDC/25℃/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℃ | | | |
| SIZE | 191x63x38mm(LxWxH),find below dimension. | | | |
| WEIGHT | | | | |
| NOTE | 1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ 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. | | | |

| | | | | |
|---------------------|---------|---|--------------|-----------|
| Specification Sheet | Product | 75W 3150mA Adjustable current driver with 1-10V dimming | version: 2.0 | Page:2/2 |
| | Model | HQLPC75/123/3150AP/D4E1 | Date | 2019-8-14 |

■ 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;

The technical data and information in this specification is owned by HUAQUAN , we reserve the right to change without prior notice.

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