

|                     |         |   |              |            |
|---------------------|---------|---|--------------|------------|
| Specification Sheet | Product | 60W 1400mA Indoor Constant Current LED Driver | Version: 1.0 | Page:1/2   |
|                     | Model   | HQLC60/123/1400/B1E1                          | Date         | 2019-11-16 |



■Features:

- Universal AC input:100~277VAC.
- Built-in active PFC function.
- cooling by free air convection.
- IP20, input/output ports are connected to the wire.
- Constant current output.
- Suitable for LED lighting applications.
- Comply to UL lighting equipment safety regulations.
- Use in indoor area.
- Build-in application.
- 3 years warranty.

**INDOOR CONSTANT CURRENT  
LED DRIVER**



**SPECIFICATION**

|             |   |  |  |  |
|-------------|---|--|--|--|
| INPUT       | Voltage range   | Rated voltage range:100~277VAC , Input voltage range:90~305VAC             |  |  |
|             | Frequency range   | 47~63Hz  |  |  |
|             | Power factor  | PF≥0.9   |  |  |
|             | Efficiency(Typ.)  | ≥85%   | Test condition: Input Voltage 277VAC,100% full load. |  |
|             | AC current  | ≤0.75A/100VAC (100%full load)  |  |  |
|             | 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%   |  |  |
| OUTPUT      | Output channel  | 1 channel  |  |  |
|             | Output current and voltage  | 28~42V   |  |  |
|             |   | 1400mA   |  |  |
|             | Tolerance   | ±5%  |  |  |
|             | Output ripple Voltage   | <30% (100% full load)  |  |  |
|             | Output overshoot / undershoot voltage   | ≤10%,when power open and shut down   |  |  |
|             | Start up time   | 0~1S   |  |  |
| ENVIRONMENT | Working TEMP.   | -40~+50℃ (100%full load)   |  |  |
|             | Max. CASE TEMP.   | 80℃ (100%full load)  |  |  |
|             | Working humidity  | 20~95%RH, non-condensing   |  |  |
|             | Storage TEMP.,humidity  | -40~+80℃, 10~95%RH   |  |  |
|             | Vibration   | 10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes         |  |  |
| SAFETY&EMC  | Safety standards  | UL8750, IEC61347-1, IEC61347-2-13  |  |  |
|             | Withstand voltage   | I/P-O/P:3.75KVAC, I/P-FG:1.875KVAC, O/P-FG:0.5KVAC                         |  |  |
|             | Isolation resistance  | I/P-O/P,I/P-FG,O/P-FG:> 100MΩ at 500VDC/25℃/70%RH                          |  |  |
|             | EMC emission  | ANSI.C63.4:2009 Class B  |  |  |
|             | EMC immunity  | Surge impulse tes:L-N,2kV  |  |  |
| LIFE        | 50,000 hours at Ta  |  |  |  |
| SIZE        | 160×40×32mm(L×W×H),find below dimension.  |  |  |  |
| WEIGHT      | 345g/PCS  |  |  |  |
| NOTE        | 1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature .<br>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 .<br>3.Detail warranty terms please refer to warranty statement. |  |  |  |

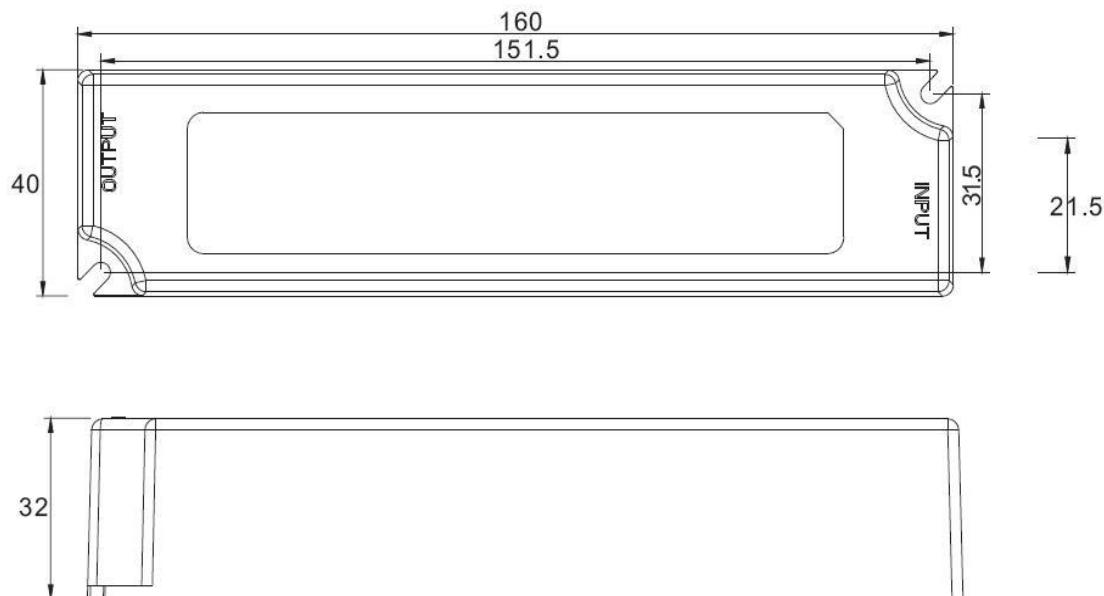
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■ SIZE

UNIT: mm

TOERLANCE:  $\pm 1\text{mm}$



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

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