



Features :

- Metal housing design with functional grounding
- Built-in active PFC function
- Meet IP67 grade, can meet the demand of indoor and outdoor installation.
- Surge Protection: L-N 4kV
- 3 years warranty

Application :

- LED Street Lighting
- LED Architectural Lighting
- LED Patio Lighting
- LED Floodlight
- Other LED Lighting Fixtures

Model List

| Model | O/P Voltage | O/P Current | Rated Power | O/P Current Tolerance | THD (Typ.) | PF (Typ.) | Efficiency (Typ.) |
|---------------|-------------|-------------|-------------|-----------------------|------------|-----------|-------------------|
| HT-HLB-40A-36 | 24-33V | 1.2A | 40W | ±5% | 15% | 0.97 | 89% |
| HT-HLB-40A-48 | 33-44V | 0.9A | 40W | ±5% | 15% | 0.97 | 89% |
| Custom-Tailor | / | / | / | / | / | / | / |

HLB Series-40W Outdoor LED Driver

Product Parameters

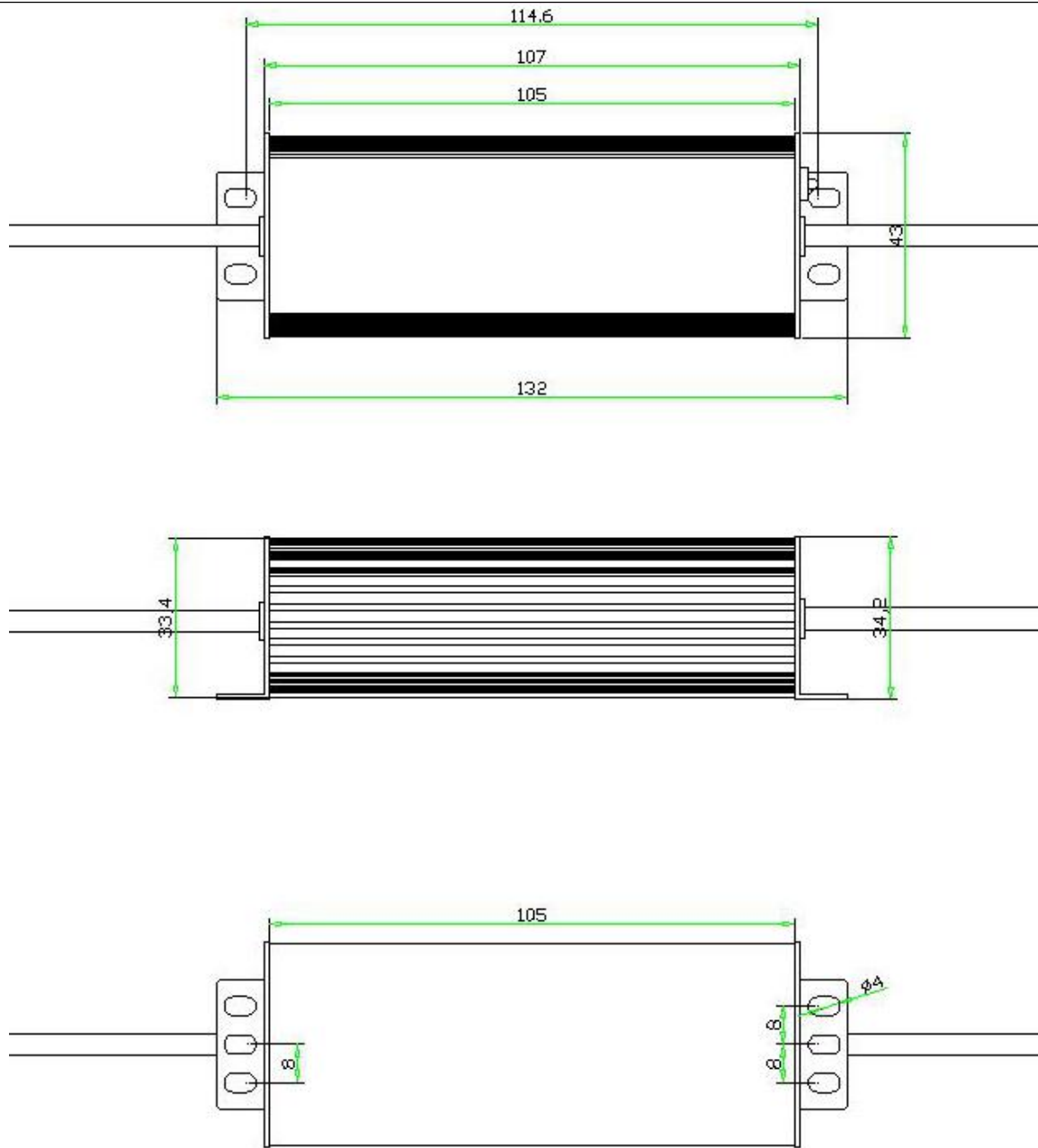
| Model No. | | HLB-40A-36 | HLB-40A-48 |
|-------------------------------|--------------------------|--|------------|
| Input Characteristics | Range of Input Voltage | 90V-305Vac | |
| | Input Frequency | 47-63Hz | |
| | Power factor (Typ.) | PF > 0.97 @115Vac input & full Load | |
| | | PF > 0.95 @230Vac input & full Load | |
| | THD (Typ.) | THD < 20% @115Vac/230Vac input & full Load | |
| | Max input current | 0.8Amax. @100-277Vac input & 100% full Load | |
| | Inrush current (Typ.) | 60Amax. @230Vac input & full load , 25°C | |
| Output Characteristics | Efficiency (Typ.) 230Vac | 89% | 89% |
| | Voltage Rating | 33V | 44V |
| | Current Rating | 1.2A | 0.9A |
| | Power Rating | 40W | 40W |
| | Output voltage range | 24-33V | 33-44V |
| | Current Precision | ±5% | |
| | RIPPLE&NOISE | < 5Vp-p | |
| | Line Regulation | ±3% | |
| | Load Regulation | ±5% | |
| | Turn -on Delay Time | 500ms/230Vac 3000ms/115Vac(full Load) | |
| Protection function | Short Circuit Protection | Protection: products to burp during the short circuit protection mode, abnormal lift can be automatically restored | |

HLB Series-40W Outdoor LED Driver

| | | |
|---|--|---|
| Environment And Reliability Requirements | Operating Temperature | -35°C to +60°C |
| | Operating Humidity | 10%RH to 100%RH, non-condensing |
| | Storage Temperature and Relative Humidity | -40°C to +80°C/5% to 100%RH |
| | Vibration | 10 to 300Hz,at a constant acceleration of 1.0G(Breadth: 3.5mm),for 1Hour for each of the perpendicular axes X, Y, Z |
| | IP Grade | IP67 |
| | Burn-in | The power supply shall under go a minimum of 4 Hours burn-in test at 40°C±5°C under full load condition. |
| | LIFE Time Qualification | 30000H (The Life Time shall be at least30000h at 45°C, Full load and nominal input condition) |
| Safety Standards | Medium compressive | I/P-O/P:1.875KVAC I/P-FG:1.875KVAC O/P-FG:1.875KVAC |
| | Grounded Resistance | < 0.1Ω,25A,1Minute |
| | Insulation Resistance | I/P to O/P , add 500 VDC insulation test, minimum 50 m Ω insulation impedance |
| | Leakage Current | 0.75mAmax. at input 230Vac/50Hz |
| | Lightning level | L-N : 4 kV |
| Other | Size | 132*43*33.5mm (L*W*H) |
| | Package | 60PCS/carton Dimension : 48cm*24cm*19cm N.W:18KG G.W:18.5KG |

HLB Series-40W Outdoor LED Driver

Mechanical Characteristics (Unit: mm)



NOTE : Ground wire with terminal.

| | |
|--------------------|---|
| Input Wire | UL model: UL #18AWG 3*0.824mm ² , GREEN: PE , BLACK: L , WHITE: N Euro model: VDE 3*0.75mm ² , YELLOW/GREEN: PE , BROWN: L , BLUE: N |
| Output Wire | UL model: UL #18AWG 2*0.824mm ² , RED: V+ , BLACK: V- Euro model: VDE 2*0.75mm ² , BROWN: V+ , BLUE: V- |