



## 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

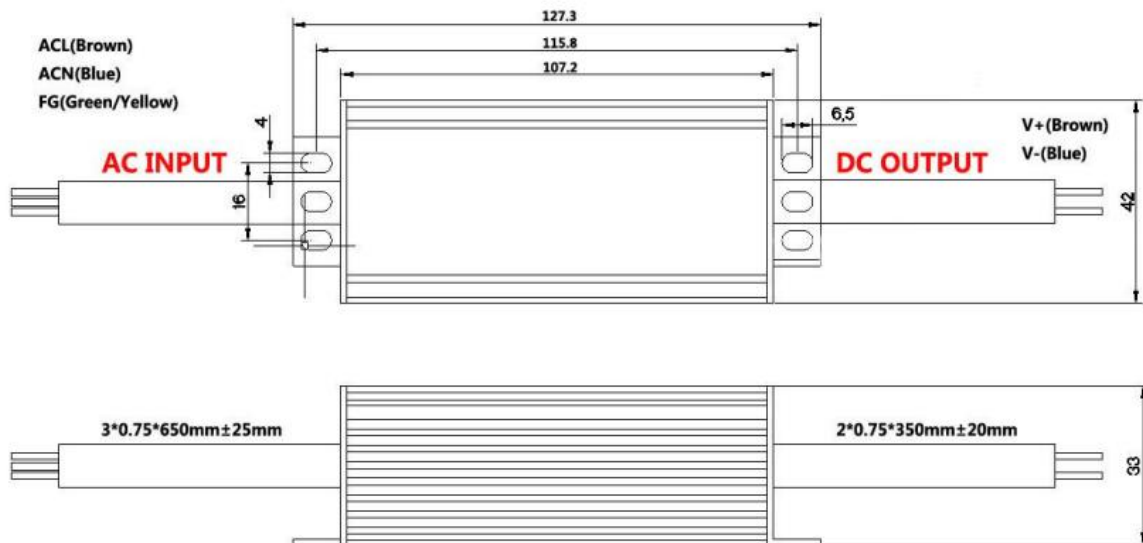
Model No.		HLB-40A-36	HLB-40A-48
<b>Input Characteristics</b>	Range of Input Voltage	90V-305Vac	
	Input Frequency	47-63Hz	
	Power factor (Typ.)	PF > 0.97 @115Vac input & full Load	
		PF > 0.95 @230Vac input & full Load	
	THD (Typ.)	THD < 20% @115Vac/230Vac input & full Load	
	Max input current	0.8Amax. @100-277Vac input & 100% full Load	
	Inrush current (Typ.)	60Amax. @230Vac input & full load , 25°C	
<b>Output Characteristics</b>	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)	
<b>Protection function</b>	Short Circuit Protection	Protection: products to burp during the short circuit protection mode, abnormal lift can be automatically restored	

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

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## Mechanical Characteristics (Unit: mm)



**NOTE :** Ground wire with terminal.

<b>Input Wire</b>	UL model: UL #18AWG $3 \times 0.824 \text{mm}^2$ , GREEN: PE , BLACK: L , WHITE: N Euro model: VDE $3 \times 0.75 \text{mm}^2$ , YELLOW/GREEN: PE , BROWN: L , BLUE: N
<b>Output Wire</b>	UL model: UL #18AWG $2 \times 0.824 \text{mm}^2$ , RED: V+ , BLACK: V- Euro model: VDE $2 \times 0.75 \text{mm}^2$ , BROWN: V+ , BLUE: V-