



to be
the **BEST**
LED Street Light



Innovative solutions

Sustainable performance

Innovative solutions

HB-118 was created to help those responsible for lighting our streets and highways succeed in their lighting design goals. Powered by the HOMBO led street light, the featuring innovative thermal management design, the HB-118 offers exceptional performance and value. This versatile luminaire can be tailored to the unique specifications of each project by offering multiple LED boards and wattage options.

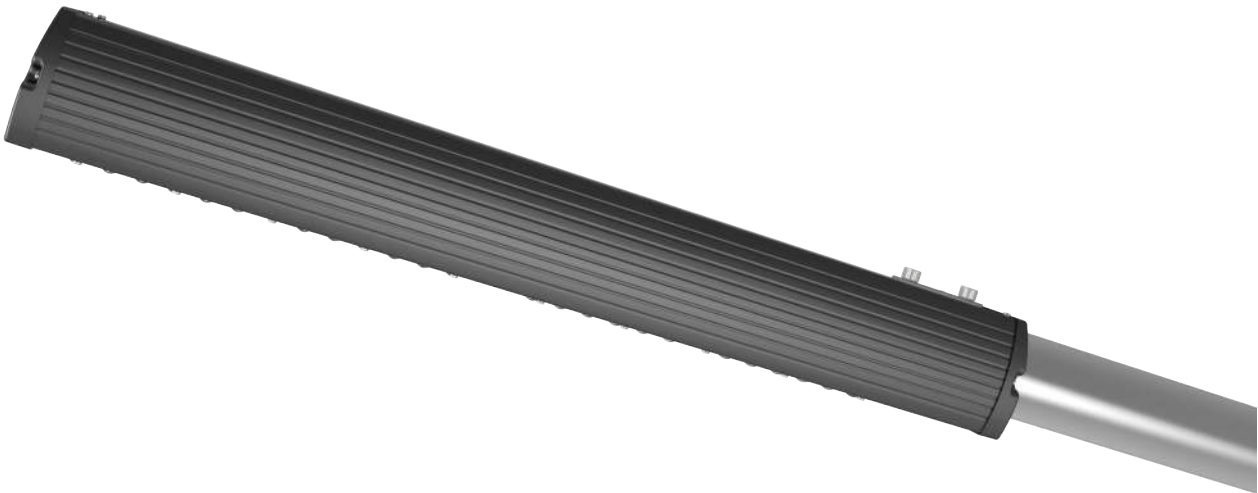
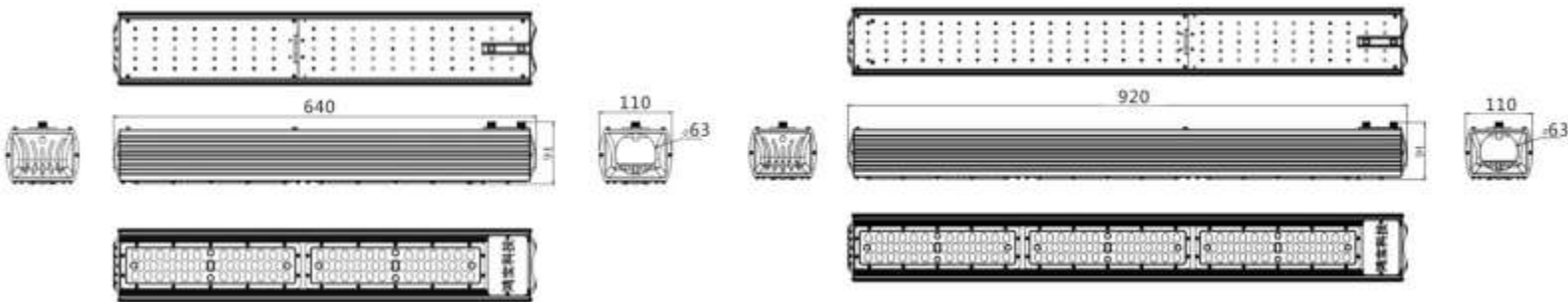


Sustainable performance

Utilizing HOMBO/Meanwell /Moso / LED driver, and bridgelux LEDs, the HB-118 provides exceptional energy efficiency. This luminaire is manufactured with fully recyclable aluminum castings and extrusions that help to protect our environment for years to come. Energy efficiency is enhanced with optional dimming, programmable drivers, and outdoor control systems.

Dimensions

Wattage	Weight		Length		Width		Height	
	lb.	kg.	In.	mm.	In.	mm.	In.	mm.
HB-118-01-30-40W	4.4	2	25.20	270	1.87	113	3.54	90
HB-118-02-60-80W	6.6	3	25.20	640	4.44	113	3.54	90
HB-118-03-90-120W	9..9	4.5	25.20	920	6.38	113	3.54	90



Technical Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color of Housing	Mounting Way
HB-118	30W 40W 60W 80W 90W 120W	Normal: 100~240V AC North American: 100~277V AC 480V AC Solar System: 12V DC 24V DC	Cool White: 5000K Day White: 4000K Warm White: 3000K Customized CCT	Normal bright: 140~160 lm/w (chips) @ CRI \geq 70	Normal : Whole Black Customized color (MOQ \geq 50 PCS)	Horizontal mounting with 0

Electronics

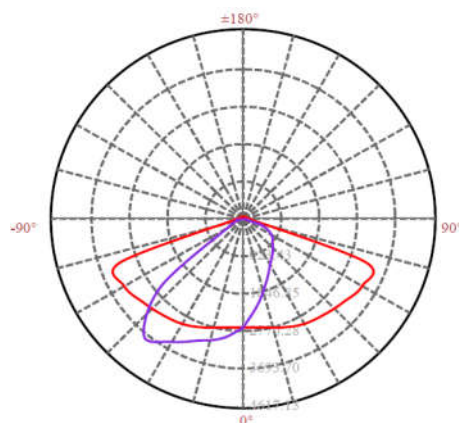
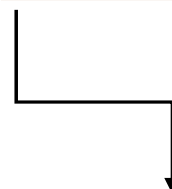
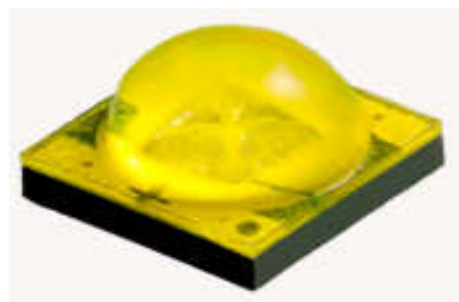
Item No.	Number of LEDs	Lamp Wattage	System Wattage	Max. System Current	LED Current
HB-118-01-30w	36 PCS	30 W	32 W	0.15 Amp @220V	0.14 Amp@220V
HB-118-01-30w	36 PCS	40 W	42 W	0.19 Amp @220V	0.18 Amp@220V
HB-118-02-60w	72PCS	60 W	62 W	0.28 Amp @220V	0.27 Amp@220V
HB-118-02-80w	72PCS	80 W	83 W	0.37 Amp @220V	0.36 Amp@220V
HB-118-03-90w	108PCS	90 W	93 W	0.42 Amp @220V	0.41 Amp@220V
HB-118-03-120w	108PCS	120 W	123 W	0.56 Amp @220V	0.55 Amp@220V

LED Chips

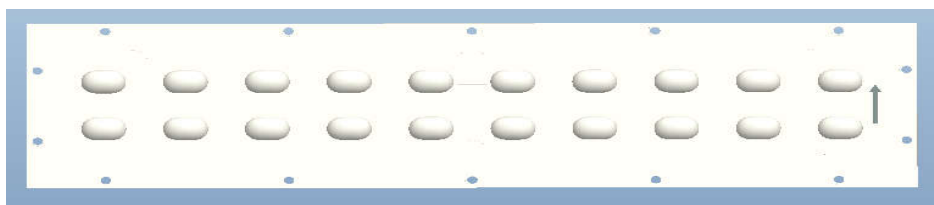
Technology

- Optional high efficiency chips (soul)
- High quality, excellent uniformity.
- Patented Formula----fluorescent powder & potting adhesive
Better CRI, Higher Luminous Efficiency, Lower Lumens
Depreciation.
- Easier packaging, lower cost.

Optional LED Chips

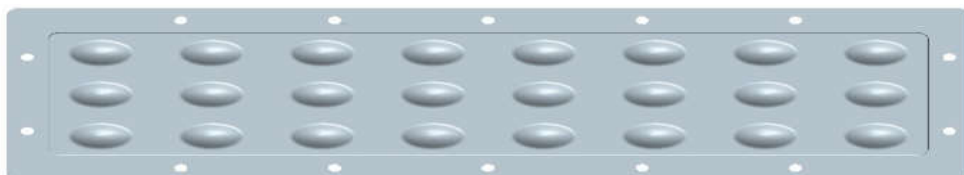
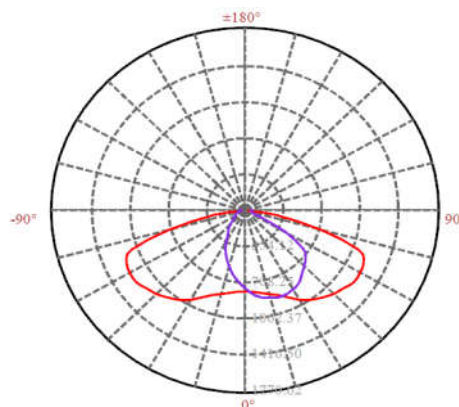
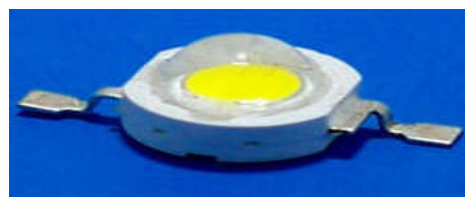


Light Distribution Curve



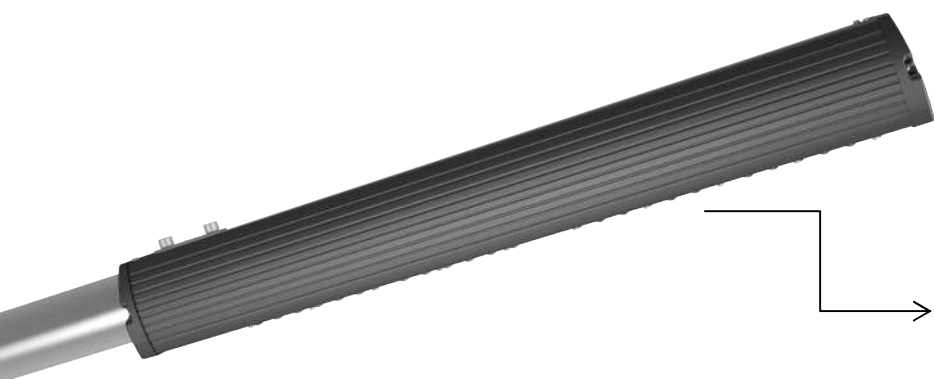
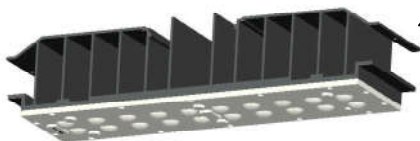
- Puri imitation lumens light
source(Bridgelux)

Light Distribution Curve



Accessories and Structure

Modular design, easy assemble and maintenance.IP67

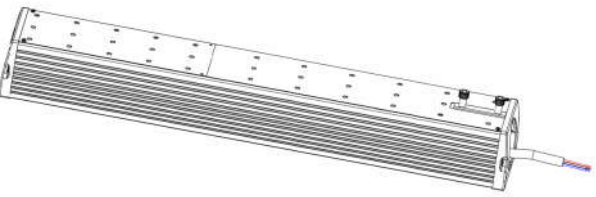


Integration of aluminum alloy radiator shell, good heat dissipation; Humanized design installation, light weight and high safety;

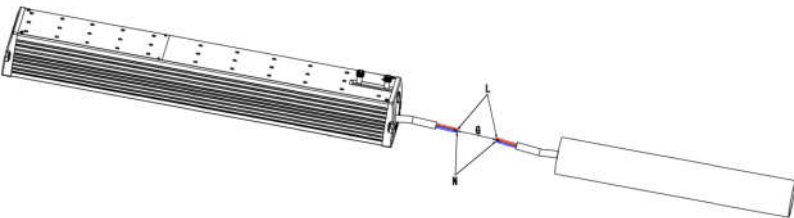
Loosing these screws to open the lamp, simple structure and easy maintenance. Modelling slim, graceful design



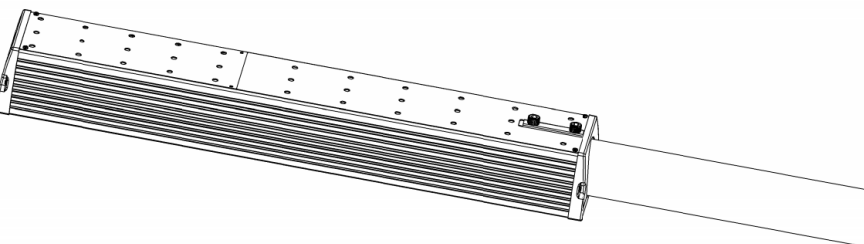
Maintenance



1. Loosen the two M8 screw



2, connection L - L, N - N, G - G



3. Set into the light pole, tighten the two M8 screw

⚠ Warning: When flexible wire is broken, please cut off the power immediately, avoid short circuit. When the outer insulation cable is broken, it should be changed by manufacture, supplier or professional electrician, lest danger occurs!

Package Detail



Strengthen the package, protect the carton from being extrusion during the transport

Solar Power System



Monocrystalline Solar Panel



High module conversion efficiency up to 16%



Self-cleaning & anti-reflective



Excellent weak light performance



Positive tolerance up to 5%



Extended wind and snow load tests: Wind (3800Pa) Snow Loads (5400Pa)



Current sorting process reducing mismatch losses up to 2%



Solar Controller



High Efficient series PWM charging



Use MOSFET as electronic switch



Widely used, automatically recognize day and night



Digital LED menu with simple setting and easy using



Intelligent timer function with 1~15hours option



Temperature compensation



Battery



Environmental protection with special alloy patle



High performance with high receptivity of electricity high energy conversion rate



Environmental adaptability -30°C~55°C -30°C~60°C



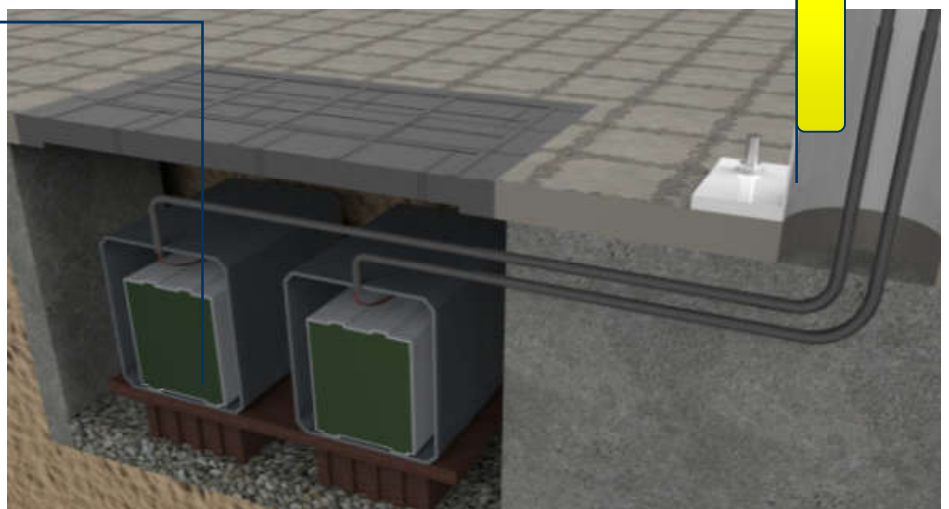
Excellent deep discharge cycle performance



Aseismic performance can be used safely even in the large current



Long Lifetime



Smart Control System

SEMS Power line System

- Lamp metering
- Real time control
- Lamp fault diagnosing
- On / off / dim schedules
- Power line fault diagnosing
- Energy saving reports
- Support video system
- 3 phase power metering
- Support environment sensors
- Work as Smart City platform



SEMS Wireless System

- Lamp metering
- Real time control
- Lamp fault diagnosing
- On / off / dim schedules
- Energy saving reports
- Support video system
- 3 phase power metering
- Support environment sensors
- Work as Smart City platform

**Light Your City and Village
with Good Service!**



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