

BEI | MARWOOD
LIGHTING SOLUTIONS



Efficient
Solar Module



Battery
Management System



Smart
Control System



PIR Sensor



IP66



3 Years
Warranty

All
IN TWO

Solar Street Light
LC3

20W
Lamp Power

80W
Solar Panel Power

538Wh
Batter Capacity

PIR Motion Sensor/Timer

The LC3 series adopts mono crystalline solar panel with 22% conversion rate, high luminous efficiency Philips chips, ultra-long-life lithium battery pack, high-efficiency smart controller and intelligent sensor technology.

With its integrated design concept, it is convenient for installation and maintenance; Solar panel and lighting direction can be adjusted flexibly, providing an ideal solution for the harsh lighting needs of complex roads especially bad weather condition.

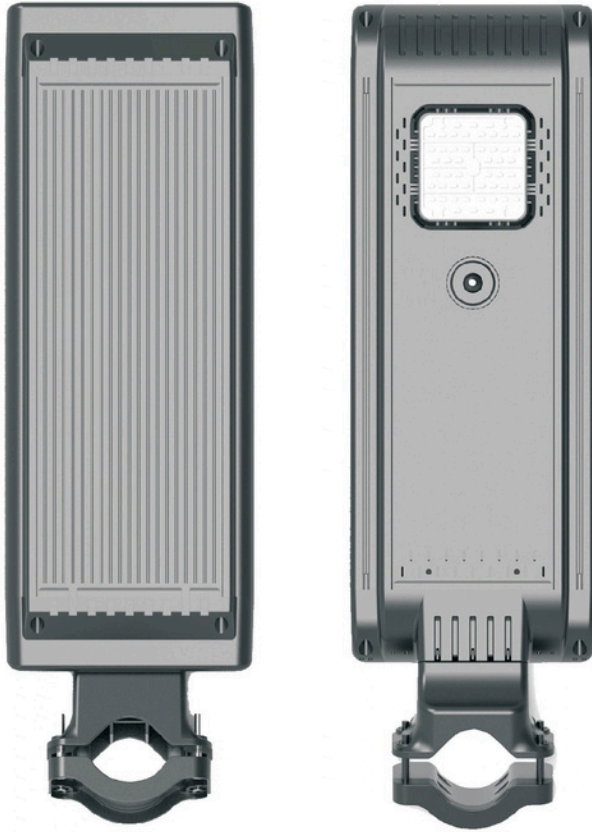


BSCI
Business Social Compliance Initiative

Integrated LED system

Excellent
Cooling System

sales@beimarwood.co.uk
01892 835211 / 01656 645414

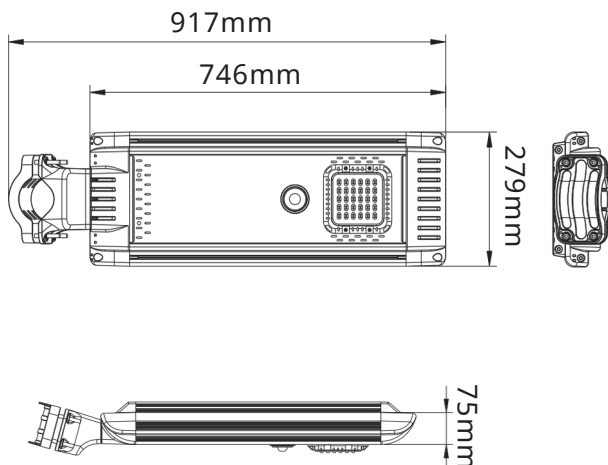


- Patent Design, Globe First
- LED Modular Thermal Design
- Innovative Battery Protection
- System Typhoon Resistant

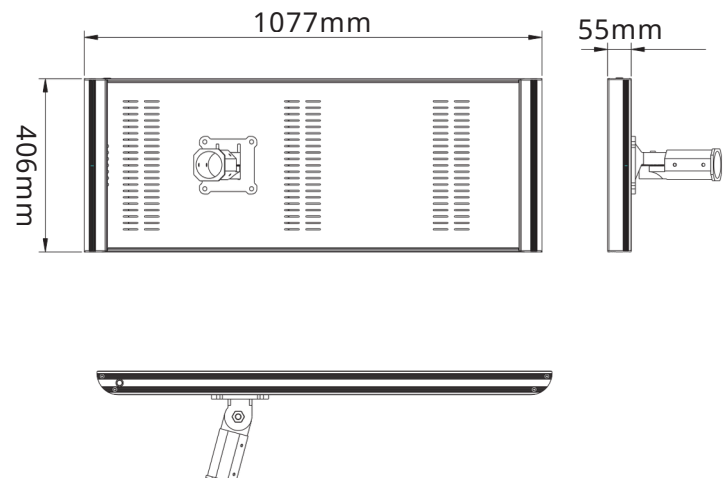
Simple installation. Easy maintenance.

Every component is thoughtfully designed, with carefully selected materials for lasting performance and reliable protection in all weather conditions.

LED Light



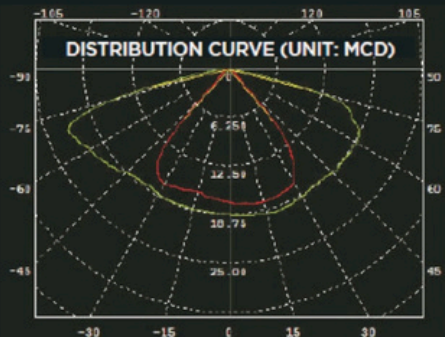
Solar System



HIGH
EFFICIENCY &
LONG-TERM
RELIABILITY



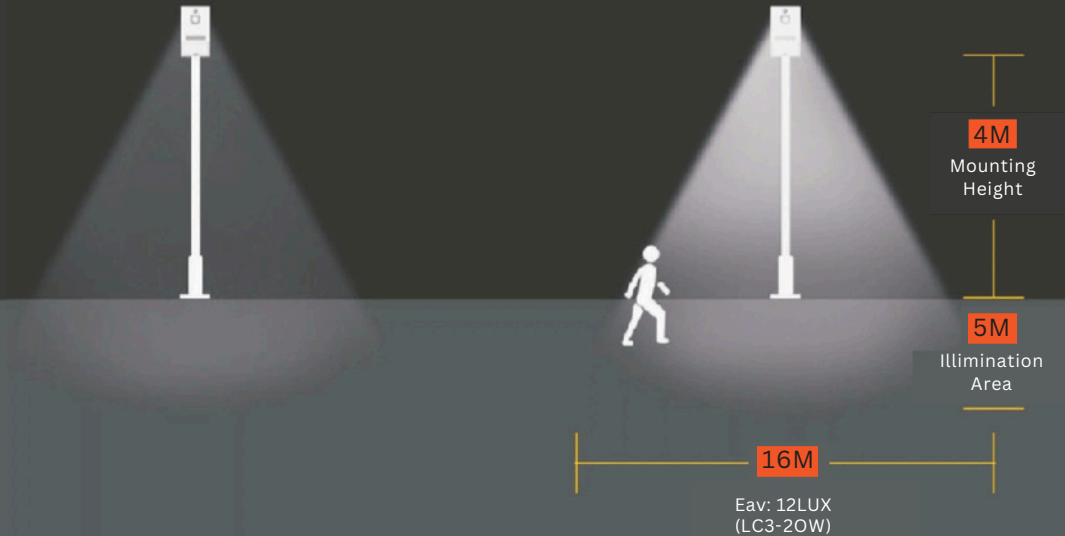
- Adopt original Philips LED chips, single lumen value up to 210lm/W;
- Integrated aluminum base and sealed lens for excellent heat dissipation and waterproof performance;
- Optical lens with light transmittance up to 93% and the well optimized light distribution, making more uniform illumination and wider lighting area.



BAT WING LIGHT DISTRIBUTION CURVE

DIM MODE
(30%)

FULL BRIGHT
(100%)



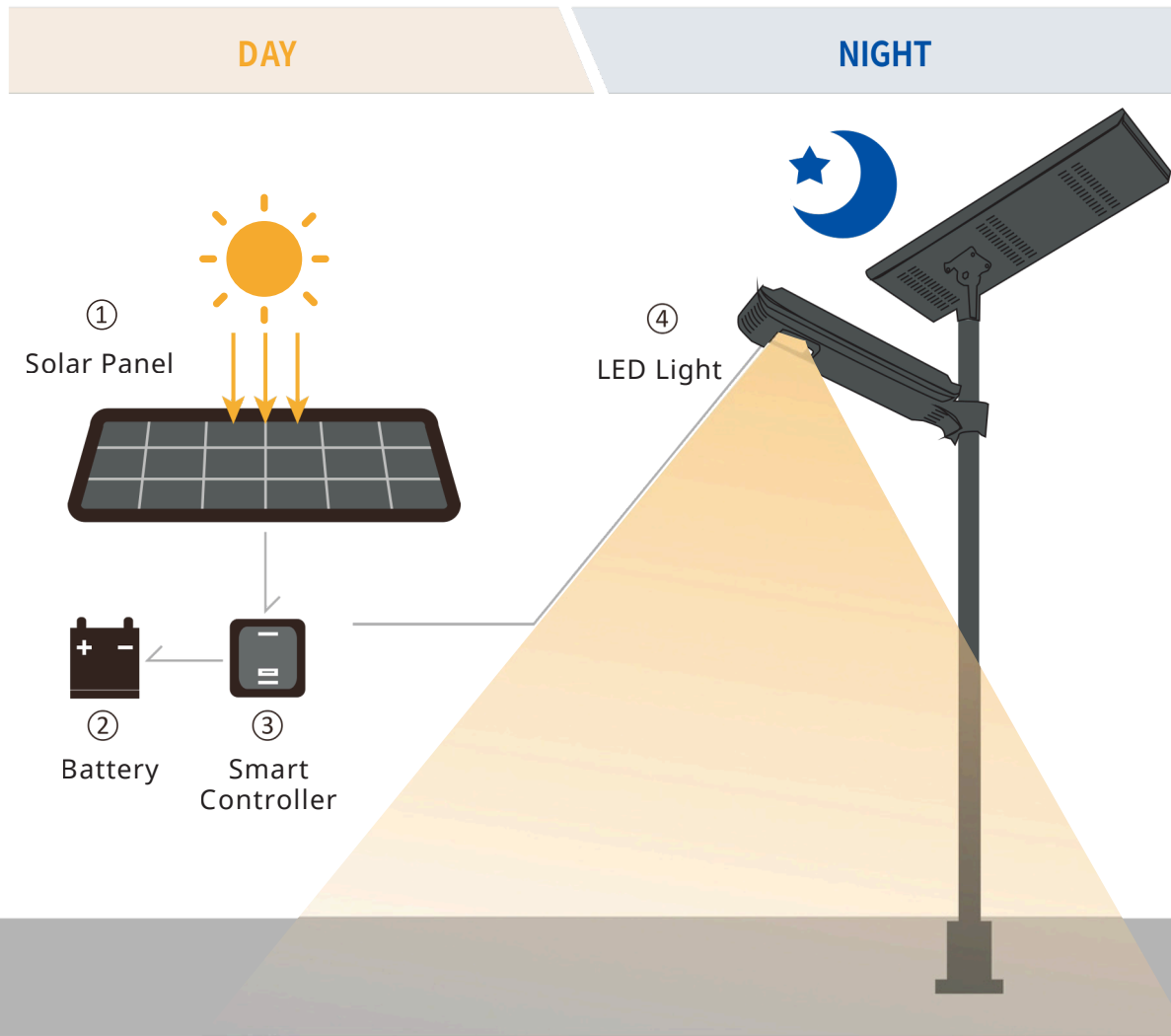
Solar Streetlight is fitted with an intelligent light controller that can be programmed for specific requirements

Model		Lighting Data Table				
LC3-20W	Mounting Height	3M	4M	5M	6M	Recommended Height
	Illumination Area	15.5*4.5=70M ²	16*5=80M ²	17*5.5=93.5M ²	18*6=108M ²	4~6M
	Eav (Lx)	14Lux	12Lux	11Lux	9Lux	

Integrated LED system

Excellent
Waterproof System

sales@beimarwood.co.uk
01892 835211 / 01656 645414



Battery Protection System

Waterproof & Damp proof & Explosion proof

Excellent
Waterproof System



- Built-in LiFePO4 class A battery , single cell with PTC.
- Superior IC with military standards in battery protection board.
- Exclusive patented waterproof sealed box, up to IP66.
- Over charging & over discharging protection.

Simple Installation

Multiple Combination Method

sales@beimarwood.co.uk
01892 835211 / 01656 645414

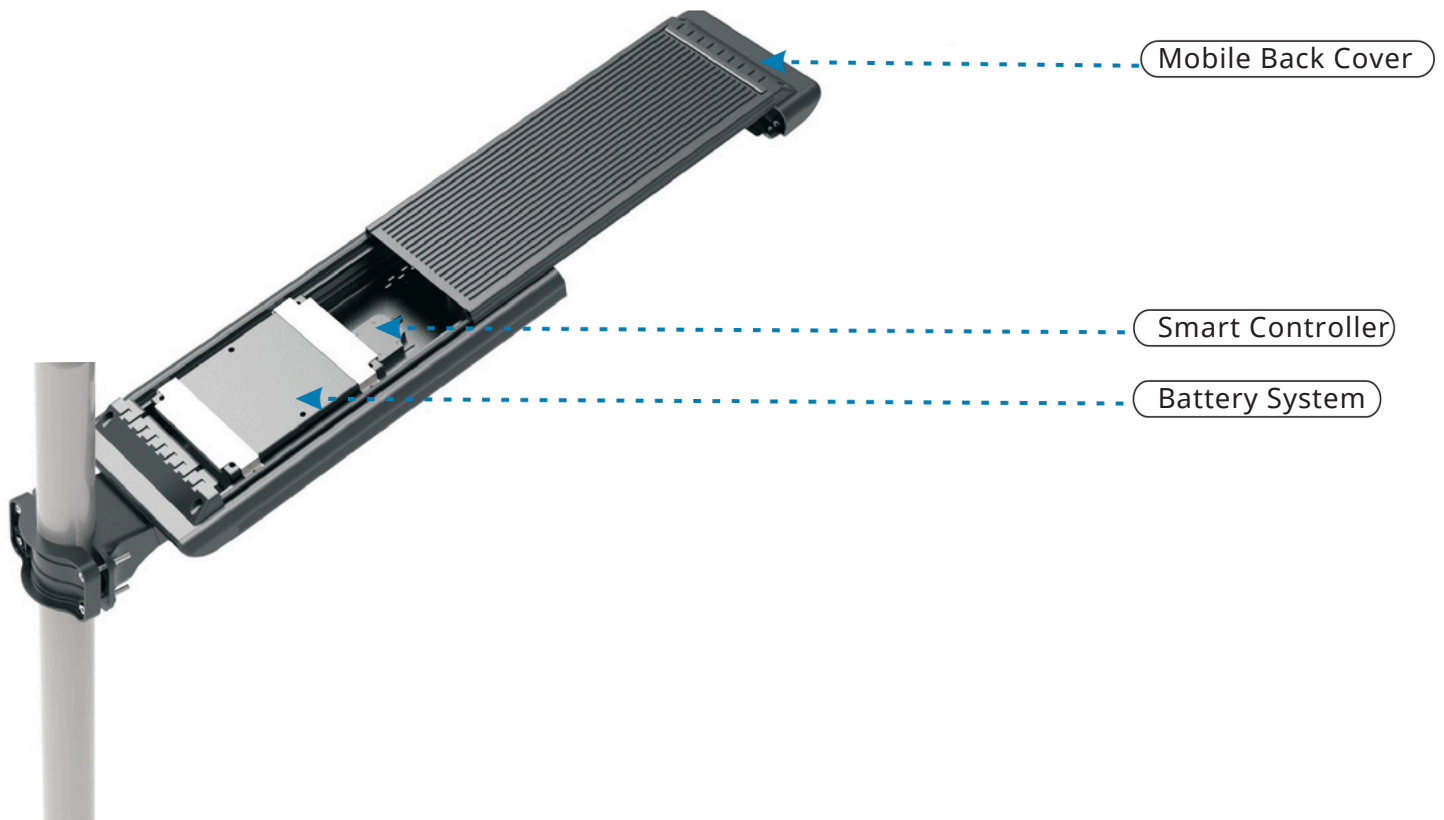


- Simple to use, and attach it to the post with some screws.
- Adjust lamp and solar panel direction according to local lighting region and sunlight condition respectively.
- Patent hooping design with multi-point contact areas, safety increased by 30%.

Easy Maintenance

Fast, Flexible & Cost-Effective Maintenance

Replacement on site directly



Technical Data

Model		LC 3-20W	
Physical Parameters			
Power of PV Module (W)		80	
LIFEPO4 Battery Capacity(AH)		42	
LED Brand		PHILIPS	
LED Qty(pcs)		50	
Light Mode		PIR/Time Control	
Remote control function		/	
Rainy Days(D)		Min.15	
Light Parameters			
Light Power(W)		20	
Typical Liminous Flux(Lm)		3020	
Color Temperature(K)		2700-6500	
Light Distribution Type		T3	
Beam Angle(°)		70*140	
Min.Working Hours(H)	Full Light Mode	27	
	Energy-saving Mode(30%)	90	
Light Control Threshold(Lux)		30	
Packing Parameters			
Product Size Net Weight	Solar Panel	1077*406*55 / 11.4KG	
	Lamp	917*279*75 / 15.8KG	
Package Size Gross Weight	Solar Panel	1190*450*225 / 14.2KG	
	Lamp	960*340*240 / 17.3KG	
Environment Parameters			
Charging Temperature(°C)		0 °C to +60 °C	
Discharging Temperature(°C)		-20 °C to +60 °C	
Storage Temperature(°C)		-20 °C to +45 °C	
Installation			
Effective Projected Area(ft ²)		5.6	
Wind Strength (mph)		110	
Recommended Diameter of Top pole(mm)		89	
Recommended Installation Height (M)		4-6	
Recommended Installation Distance(M)		15-25	