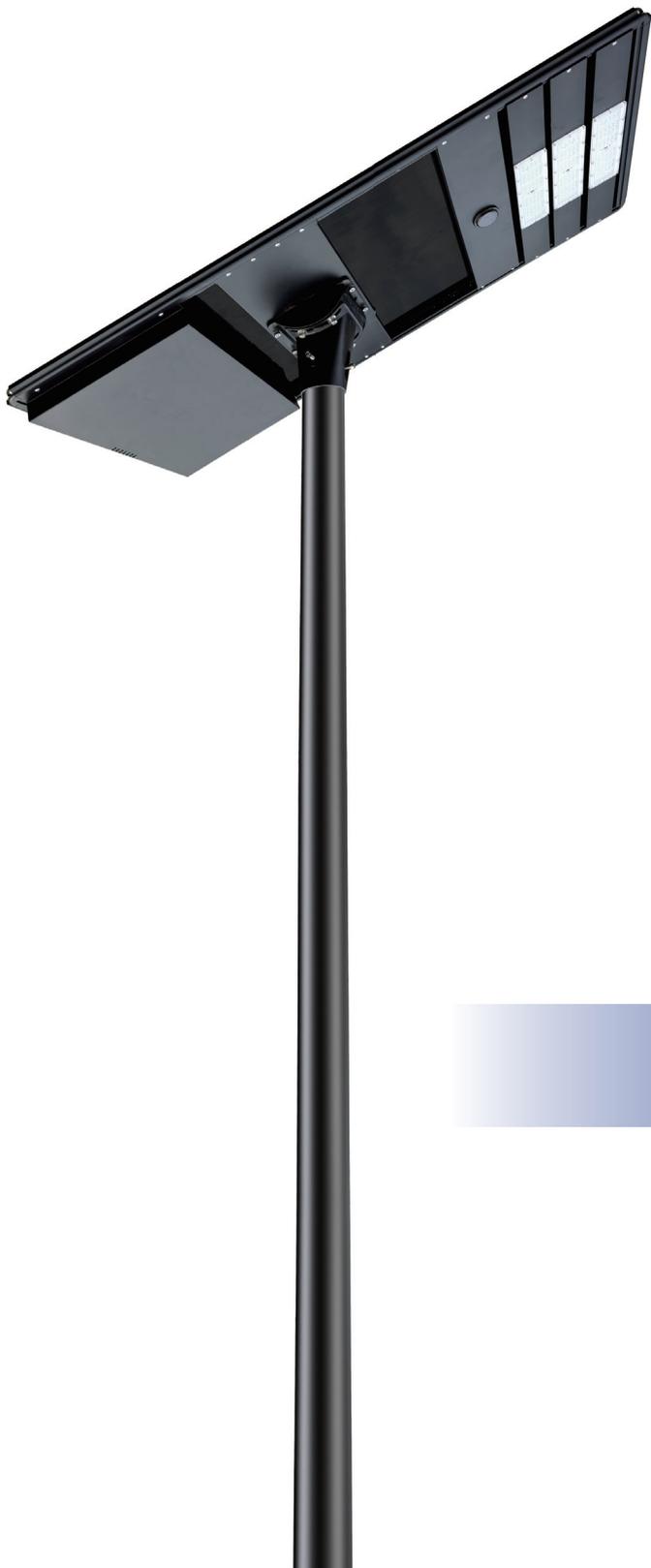


Inbrit[®]



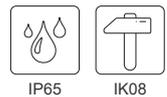
BRETT

ALL IN ONE SOLAR STREET LIGHT

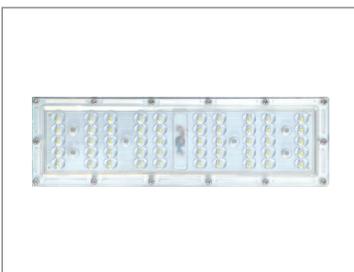


BRETT ≤30W/≤80W

ALL IN ONE SOLAR STREET LIGHT



Premium monocrystalline silicon material delivers high charging efficiency and extended service life, High-brightness LED light panel provides wide nighttime illumination with uniform brightness and glare-free performance, Integrated body design enables simple installation without additional wiring, reducing labor costs, Metal housing ensures wind resistance and durability, withstanding outdoor exposure to sun and rain for long-lasting performance.



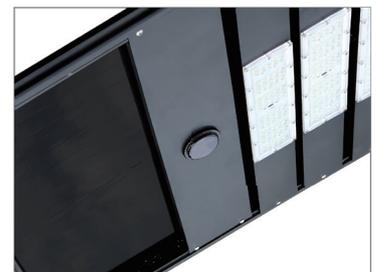
High Brightness

High efficiency energy conversion, LED has high luminous efficiency. LED has long life, which can effectively reduce maintenance cost and replacement cycle. High safety, LED will not produce high temperature, explosion and other safety hazards, as well as waterproof, dustproof and other features, can be used in harsh environments.



High Efficiency Solar Cells

Monocrystalline silicon solar panels are one of the mainstream products in the current photovoltaic market, featuring high conversion efficiency, strong stability and long service life. Their core advantages lie in power generation performance and durability, making them ideal for scenarios with high requirements for power generation efficiency and long-term returns.



Optional Microwave Sensor

Highly adaptable to diverse environments, unaffected by light, temperature, humidity, or dust. Features a wide detection range, long operating distance, and high sensitivity, capable of detecting minute movements.



MULTIPLE MODULES FOR CUSTOMIZED BRIGHTNESS

Choose from a wide range of power modules, from tens of watts to over a hundred watts. Whether it's for narrow footpaths or wide main roads, it precisely matches your lighting needs, eliminating the dilemma of over-illumination or insufficient brightness.

OPTIONAL MICROWAVE SENSOR FOR SMART LIGHTING

Equipped with a high-performance microwave sensor that can penetrate the housing to accurately detect human movement. Unaffected by wind, rain, dust, or light conditions, it enables intelligent control of "high brightness when people approach, dimmed/off when people leave". This significantly reduces energy consumption, ensuring every watt is used efficiently.

ADJUSTABLE SLEEVE FOR FLEXIBLE INSTALLATION

The innovative adjustable sleeve design supports multi-angle rotation, allowing easy alignment with sunlight to maximize solar panel efficiency. Installation is hassle-free, and the adaptability is greatly enhanced.



Model No.	BRETT-001	BRETT-002	BRETT-003	BRETT-004	BRETT-005	BRETT-006
System Voltage	DC3.2V	DC12.8V		DC25.6V		
Specifications	Module 2	Module 2	Module 3	Module 4	Module 8	Module 10
Rated Power	≤30W			≤80W		
Solar Panel	75W/6V	115W/18V	140W/18V	190W/36V	230W/36V	270W/36V
LiFePO4 Battery	60AH/3.2V	48AH12.8V	60AH12.8V	36AH/25.6V	48AH/25.6V	60AH/25.6V
Light Source	3030					
Controller	20A30W	8A30W		10A80W		
Light Distribution	Bat-Wing light distribution (150°×75°)					
Light Efficiency	150-170LM/W				160-180LM/W	
Color Temperature	3000-6000K					
CRI	≥Ra70					
IP Rating	IP65					
Working Temperature	-10°C -+60°C					
LED Lifespan	50000H-100000H					
Mount Diameter	Φ60MM	Φ76MM		Φ76mm+Support pole	Φ89mm+Support pole	Φ89mm+Support pole
Lamp Dimension	455×1110×90MM (Without sleeve)	635×1110×90MM (Without sleeve)	635×1310×90MM (Without sleeve)	635×1710×90MM (Without sleeve)	825×1575×90MM (Without sleeve)	825×1865×90MM (Without sleeve)
Lamp Weight	15.02KG	19.43KG	22.72KG	29.83KG	37.96KG	40.96KG
Total Case Weight	17.08KG	21.93KG	25.22KG	32.6KG	44.71KG	48.21KG
Package Dimension	1185×620×150MM	1185×800×150MM	1385×800×150MM	1785×800×150MM	1650×990×150MM	1940×990×150MM
Suggested Mount Height	4-6M	4-8M		8-12M		
Warranty	3 Years					

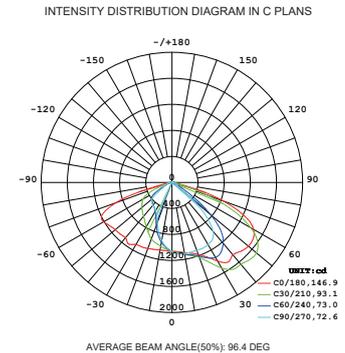
LAMP DIMENSION



LIGHT DISTRIBUTION CURVE

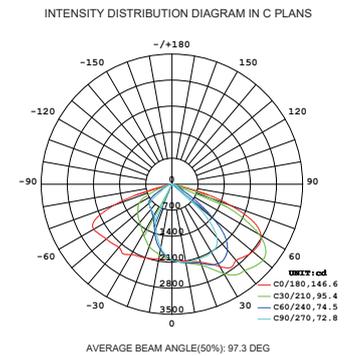
STREETLIGHT PHOTOMETRIC TEST REPORT (20W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 180.31lm/W
MODEL	BLT-20W	Imax (cd)	1696	η street_up (%)	0.2	
NOMINAL POWER (W)	20	LOR (%)	100.0	η street_down (%)	59.7	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	3606	η house_up (%)	0.3	
NOMINAL FLUX (lm)	1803.06	MAXIMUM @(C, γ)	15, 52.0	η house_down (%)	39.8	
LAMPS INSIDE	2	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	27.3	η down (%)	99.5	SLI	17.174	



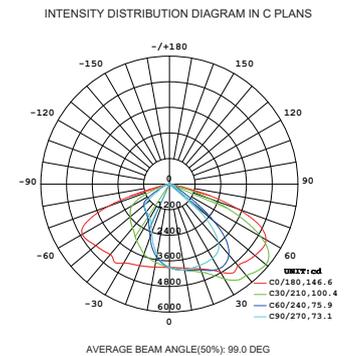
STREETLIGHT PHOTOMETRIC TEST REPORT (40W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 173.18lm/W
MODEL	BLT-40W	Imax (cd)	3214	η street_up (%)	0.2	
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	59.9	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	6927	η house_up (%)	0.3	
NOMINAL FLUX (lm)	2309.05	MAXIMUM @(C, γ)	15, 57.0	η house_down (%)	39.6	
LAMPS INSIDE	3	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	27.6	η down (%)	99.5	SLI	18.036	



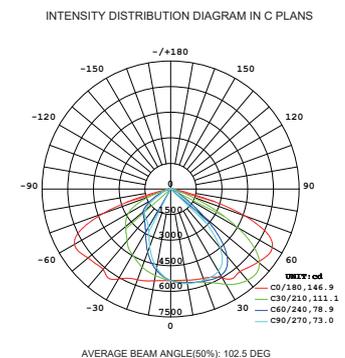
STREETLIGHT PHOTOMETRIC TEST REPORT (80W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 165.38lm/W
MODEL	BLT-80W	Imax (cd)	6022	η street_up (%)	0.3	
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	59.5	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	13230	η house_up (%)	0.3	
NOMINAL FLUX (lm)	3307.56	MAXIMUM @(C, γ)	15, 58.0	η house_down (%)	39.9	
LAMPS INSIDE	4	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	28.3	η down (%)	99.5	SLI	19.154	



STREETLIGHT PHOTOMETRIC TEST REPORT (100W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 179.52lm/W
MODEL	BLT-60W	Imax (cd)	7838	η street_up (%)	0.3	
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	57.5	
RATED VOLTAGE (V)	42	TOTAL FLUX (lm)	17952	η house_up (%)	0.4	
NOMINAL FLUX (lm)	2244.02	MAXIMUM @(C, γ)	150, 51.0	η house_down (%)	41.8	
LAMPS INSIDE	8	η up (%)	0.7	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	39.6	η down (%)	99.3	SLI	19.838	





MONOCRYSTALLINE SOLAR MODULE



High-Quality Guarantee

EL TEST twice 100% for semi-finished and finished products to eliminate defectives.



Efficiency Under Dim

Using advanced glass and textures. Superior low irradiance performance.



Afford Any Bad Weather

Certificated 2400-Pascal wind and snow load.

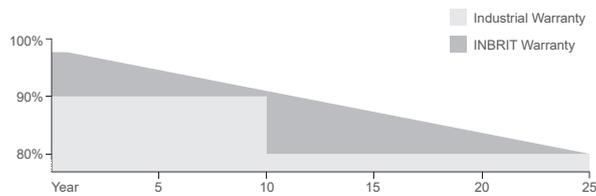


Higher Efficiency

High efficiency of conversion by using the new manufacturing technique and A-class cell.

INBRIT photovoltaic(PV) modules are assembled by high-performance A-class cells and encapsulated by a durable back sheet, are capable of converting energy from incident lights on the diffuse light, as well as reflected and scattered light on rear sides, which make them better reliable, superior low irradiance performance, and excellent generation performance.

Linear graph of performance warranty



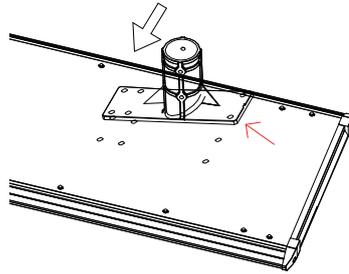
Comprehensive certificates

- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems



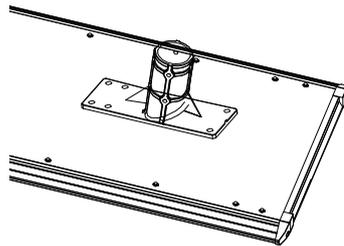
LAMP INSTALLATION

①



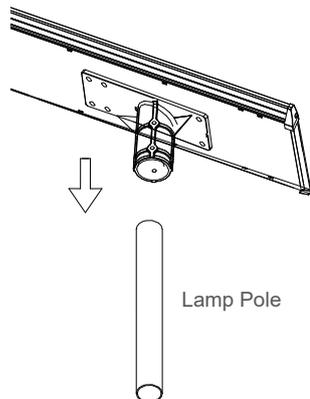
After removing the lamp,
install the sleeve onto the lamp.

②



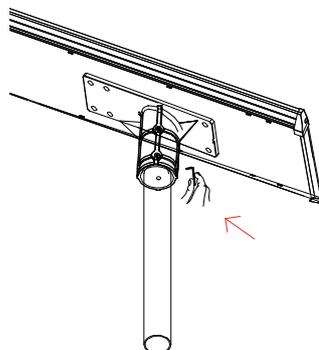
Tighten the screws after the
sleeve is installed.

③



Align the lamp with the pole, insert it,
and adjust the angle of the lamp.

④



After adjusting the lamp to the
correct angle, tighten all screws,
raise the lamp pole, and complete
the installation.



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Version No: 2026



One-Stop LED Outdoor Lighting Manufacturer