

PBOX[®]

www.pboxlighting.com



X4 (ALL-IN-ONE TYPE) Solar Street Light

CE | CB | RoHS | IP66 | IK08



Double-Sided
Solar Panel



Efficient
Controller



LiFePO4 Li-ion
Battery



Motion
Sensor



Superior
Outdoor LED



IR Remote
Control



IP66
Waterproof

Simple Design, Superior Quality

X4 series is a brandnew design developed by PBOX team. The solar lighting system integrates bifacial solar panels with high conversion efficiency, high luminous LED lamps, long life and environment friendly batteries with intelligent battery management system, and stable and intelligent controllers.

With such a smart and compact design, the X4 is very easy to install, maintain and transport, providing users with a very convenient off-grid lighting solution.



Simple Installation, Extremely Practical

The PBOX X4 stand-alone solar street lights are very simple to use, no separate battery pack required and no complicated wiring or settings. All you need to do is to attach it to the post with some screws. That is all.

The X4 will switch on automatically at dusk and switch off automatically at dawn. When there is no one around, it will dim itself to reduce energy consumption; when any one approaches, it will increase its brightness to 100% immediately.



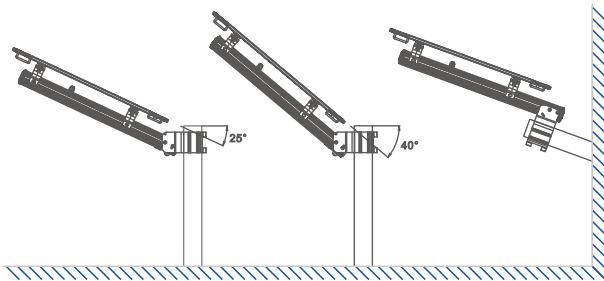
Solid & Reliable Bracket Structure

The high strength 6063 aluminium alloy, corrosion resistant anodized surface, and special structure design, makes the bracket strong, secure and reliable.



The bracket can be adjusted from multiple angles

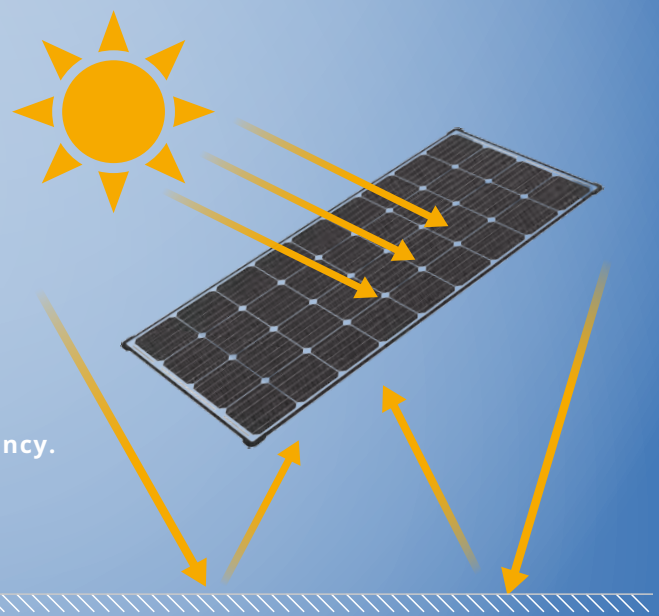
- Vertical rod installation can choose 25° or 40°
- The bracket is down to fix the bar



Efficient Double-Sided Solar Panel

X4 uses the unique designed double-sided PV module and tempered glass on the panel, which minimizes the risk of degradation of the panel, enabling long-term use.

- **Bifacial solar module, more energy generation.**
- **Mono-crystalline solar panel, Up to 22% conversion efficiency.**



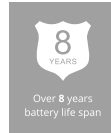
DOUBLE-SIDE ENERGY GENERATION



LiFePO4 Li-ion Battery

Green and environmental-friendly LiFePO4 Li-ion battery. The battery can charge and discharge over 2000 times.

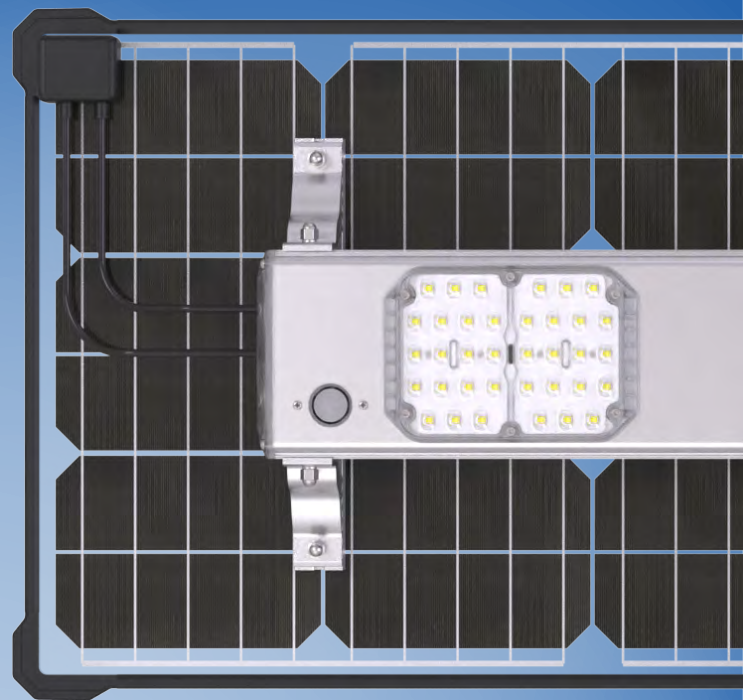
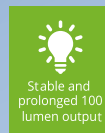
Overcharge & over-discharge protection, Stable performance, high temperature resistance.



High Efficient LED

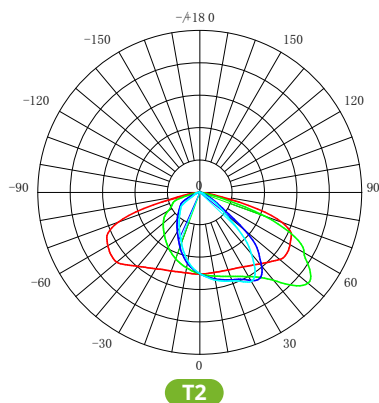
Using high-efficiency LED, luminous efficiency is up to 190lm/W (@25 C). The lights sealing lens is made of strong anti-ultraviolet PC, which has anti-aging and anti-impact performance, enabling long term usage.

The unique design of the optic lens, allows us to eliminate the lighting pollution to the environment.



Bat Wing Light Distribution

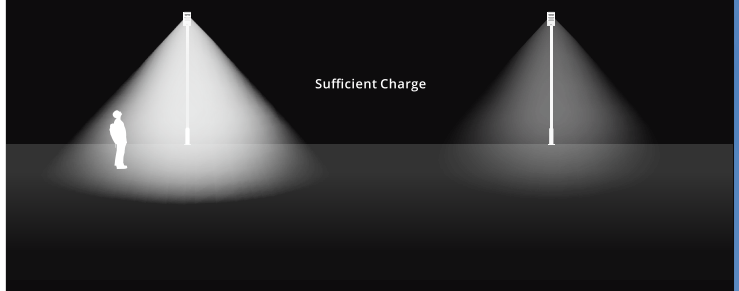
The new lens design improves the lighting effect and lighting uniformity, while also increasing light coverage.



PBOX X4 comes complete with built-in motion detection system that automatically regular the light source from full bright to dim mode to increase battery autonomy.

100% Brightness when motion is detected

20% Brightness when no motion is detected



Infrared Remote Control

①

To switch ON/OFF the light;

②

To shift from activated status to transportation mode to OFF mode;

③

To change setting of luminaire's working mode when specially needed;
With maximum five working mode sections.



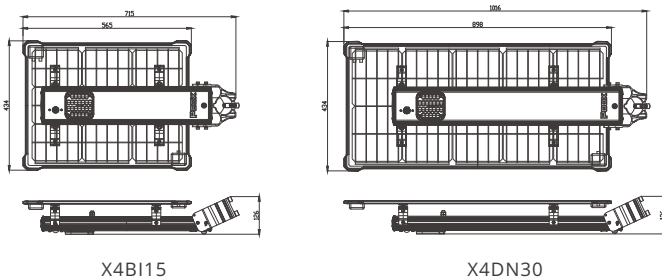
The solar street light could be controlled manually when you hold the remote control device and press its buttons under the lamp post within the range of 1~8 meters away from the post.



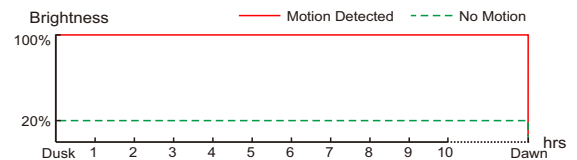
X4 Solar Street Light Specifications

Model No.		X4BI15	X4DN30
PV Module Parameters			
Power of PV Module (W)		35	60
Lithium Battery Capacity (Wh)		154	308
Net Weight of Product (kg)		6.5	13
Dimension of Product (mm)		715×434×126	1016×434×126
Light Parameters			
Light output (W)		15	30
Qty. of LED Chips		16	24
Optical Distribution		T2	T2
Color Temperature (K)		5000	5000
Typical Luminous Flux (lm)		2900	5400
Min. Working Time (Hours)	Bright Mode	9	9
	DIM Mode (25%)	35	35
Light Photosensitivity (lx)		30	30
Packing Parameters			
Main Package	Carton Size (mm)	765×290×490	1065×290×490
	Gross Weight (kg)	15	28
Qty Per Carton (pcs)		2	2
Environment Requirement			
Charge Temperature		0°C~51°C	0°C~51°C
Discharge Temperature		-20°C~51°C	-20°C~51°C
Storage Temperature (<3 months)		-20°C~45°C	-20°C~45°C
Storage Temperature (3~12 months)		-20°C~25°C	-20°C~25°C
Mounting Recommendation			
Wind Load Rate (mph)		110	110
EPA (Effective Projected Area) (ft ²)		1.69	2.41
APA (Actual Projected Area) (ft ²)		1.41	2.01
Top of Pole or Tenon OD (mm)		55~60	55~60
Recommended Installation Height (m)		4~6	6~8
Recommended Installation Distance (m)		15~25	20~30

Physical Dimensions (mm):



Working Mode:



* The light source contained in this luminaire shall only be replaced by the manufacturer, its service agent or a qualified person.
The torque setting for any bolts or screws used to secure the luminaire to the bracket is 14 N/m.
Use for outdoors only.