

NEW DESIGN

FX-PLUS Series
Integrated Solar Street Light
With Adjustable Bracket



High Cost
Performance



High Quality



High Brightness



5-7 Cloudy/
Rainy Days



Human Body
Induction



Remote Control



Adjustable Bracket



IP65 Waterproof

INTRODUCTION

Product specifications



Front Cover



Catalog



Advantages



Specifications



Exploded View



Light Distribution
Curve



More Details



Controller Instruction



Remote Control Instruction



Dimension Figure



Adjustable Bracket
Instruction



Package Detail

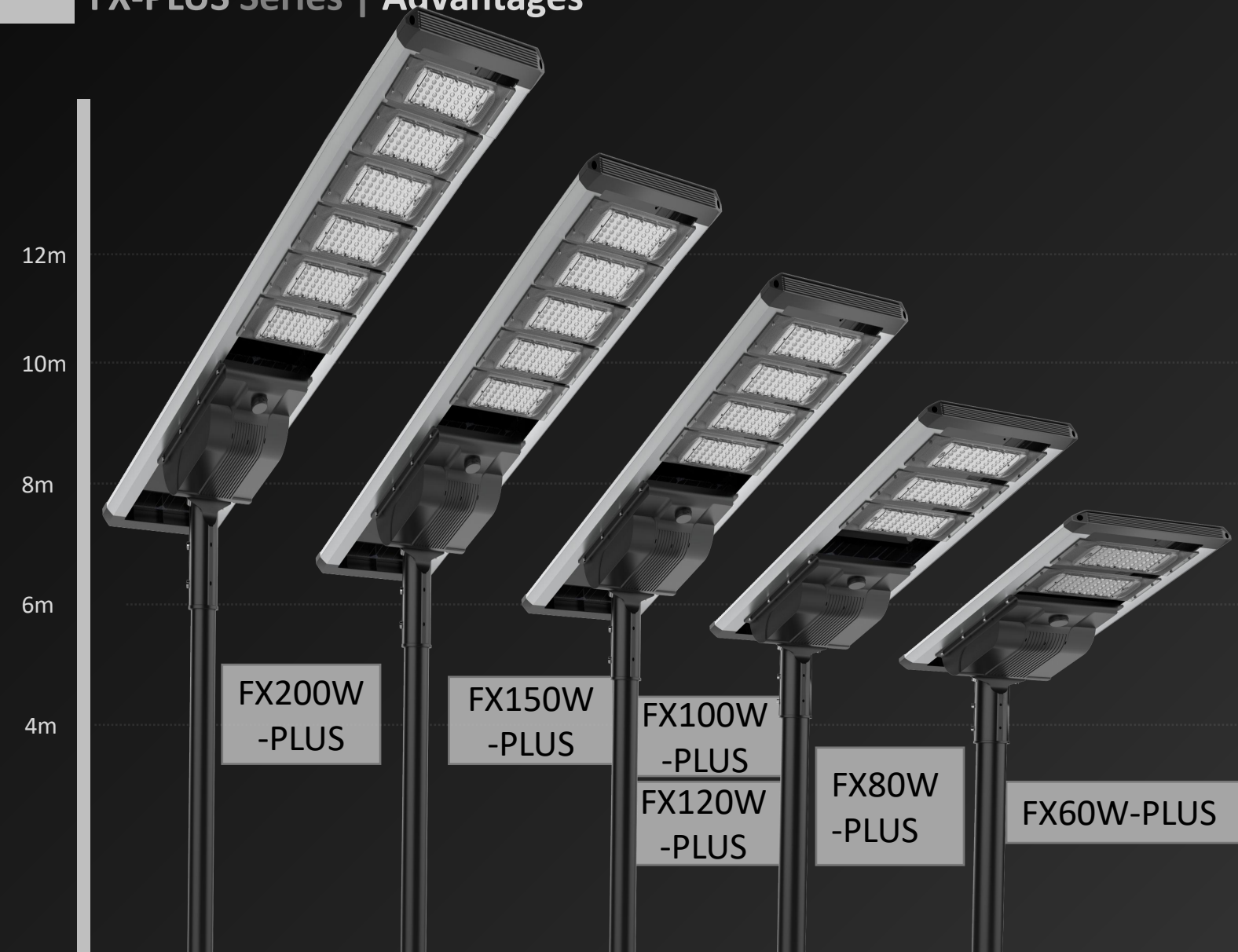


Installation Instruction



Applications

FX-PLUS Series | Advantages



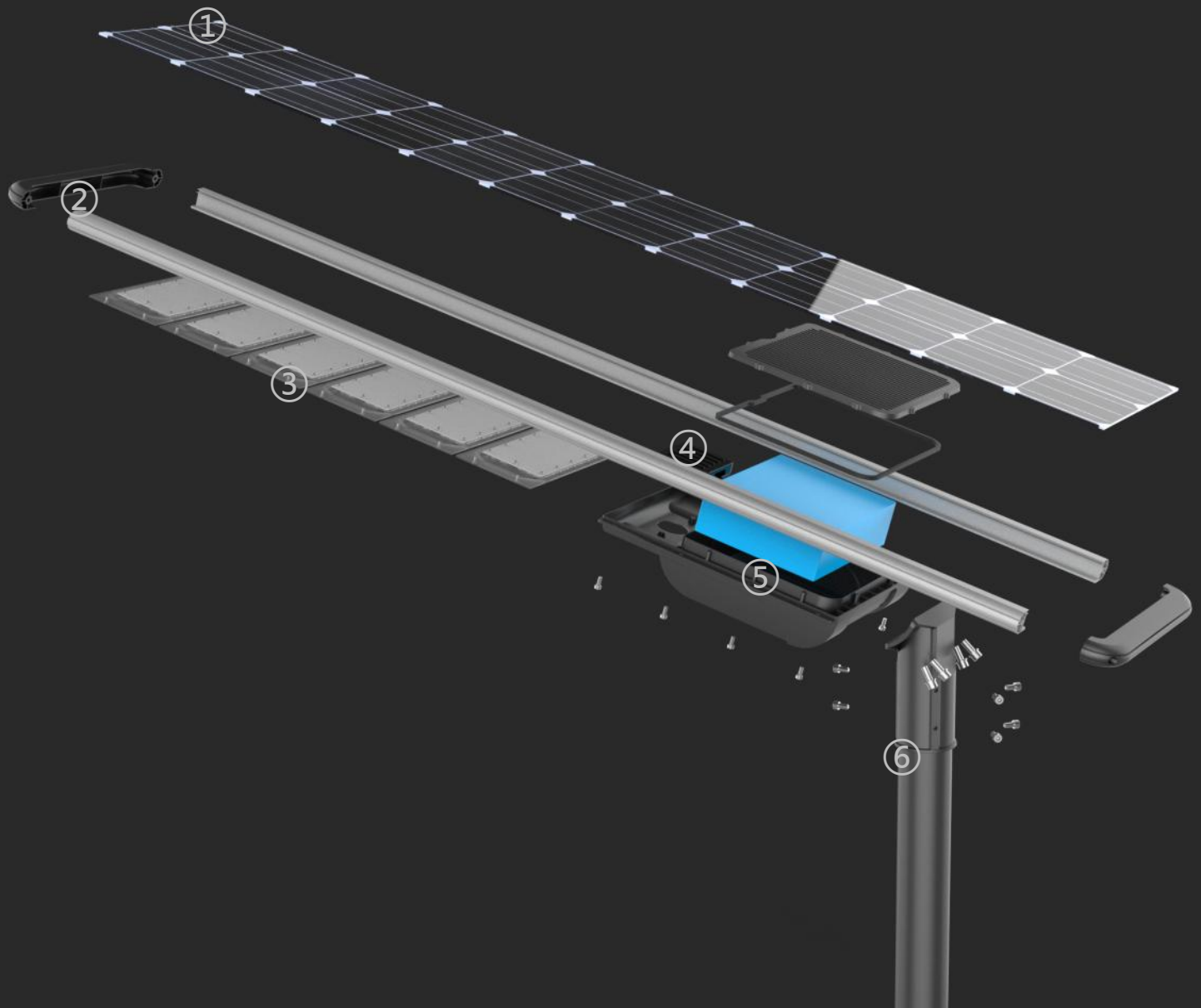
Product Advantages:

1. Designed by a professional industrial design team, integrating solar panels, led sources, controller, battery, human body induction, and housing.
2. Adjustable angle mounting bracket, suitable for a variety of modeling lamp pole installation methods.
3. Intelligent power adjustment, automatic weather judgment, reasonable planning of discharge rules.
4. Intelligent charging and discharging management, soft and hard double protection of charging and discharging and intelligent equalization technology, battery cycles more than 2000 times.
5. Smart remote control, equipped with drone remote control, ultra-long remote control distance of 30 meters, can pass through obstacles, and can set four lighting modes at will.
6. High-efficiency LED chips can reach 220LM/W, which is more than twice the average brightness of ordinary LED light sources, with a luminous angle of 140 degrees, and a wider irradiation area.
7. The whole lamp adopts modular minimalist design, easy disassembly, installation, and transportation.

FX-PLUS Series | Specifications

| Led Source | FX60W-PLUS | FX80W-PLUS | FX100W-PLUS | FX120W-PLUS | FX150W-PLUS | FX200W-PLUS |
|---------------------------------|--|-------------|-------------|-------------|-------------|-------------|
| Mono Solar Panel | 18V 80W | 18V 100W | 18V 130W | 18V 140W | 18V 150W | 18V 200W |
| LifePO4 Battery | 12.8V 30AH | 12.8V 45AH | 12.8V 45AH | 12.8V 60AH | 12.8V 75AH | 12.8V 75AH |
| LED (Bridgelux) | 5050/96PCS | 5050/144PCS | 5050/192PCS | 5050/192PCS | 5050/240PCS | 5050/288PCS |
| Color Temperature | 2700K-6500K, RA>70 | | | | | |
| Brightness | 190LM/W | | | | | |
| Working Time | 12-15hours, 5-7 cloudy/ rainy days | | | | | |
| Charging Time | 6-8hours | | | | | |
| Mounting Caliber | 70-76mm (suggestion) | | | | | |
| Working Temperature | -25°C - +65°C | | | | | |
| Body Sensor | 160°, >9m , Activated by customer's need | | | | | |
| Battery Power Indicators | 100%-75%-50%-25% | | | | | |
| Fault indicator | RED/BLUE/GREEN | | | | | |
| IP Rating/IK Class | IP66/IK09 | | | | | |
| Mounting Height | 6-7m | 6-8m | 6-8m | 8-9m | 9-11m | 10-12m |
| Space between 2 lamps | 20-25m | 20-25m | 20-25m | 25-30m | 30-35m | 35-40m |
| Warranty | 3 years / 5 years | | | | | |

FX-PLUS Series | Exploded View



1 Solar panel

2 Lamp shell

3 LED light board + optical lens

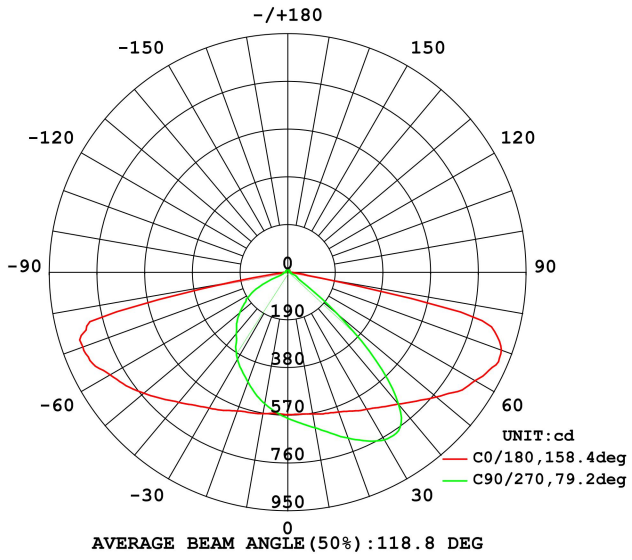
4 Controller

5 Battery pack and battery box

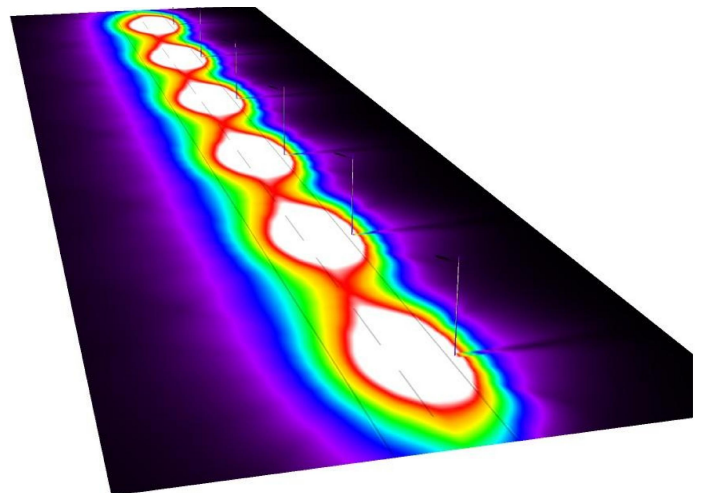
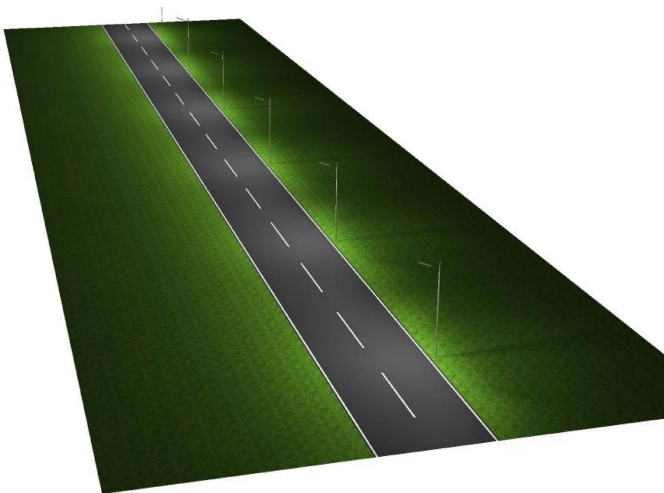
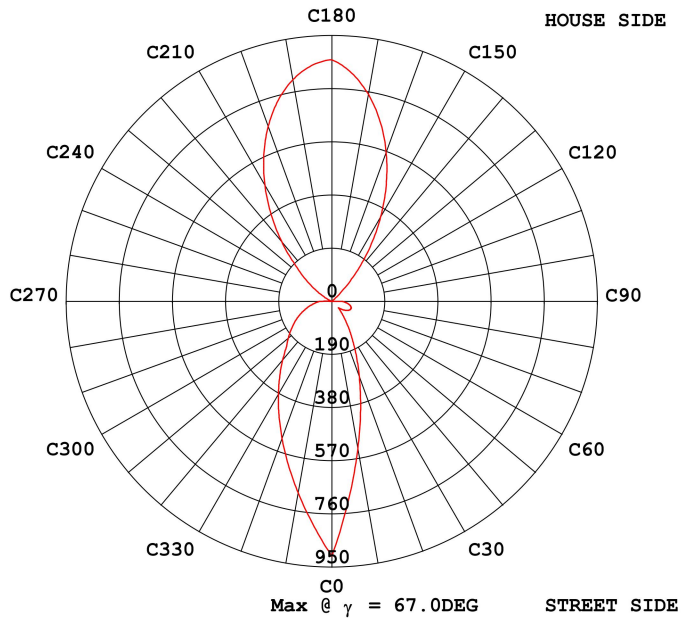
6 Adjustable angle bracket

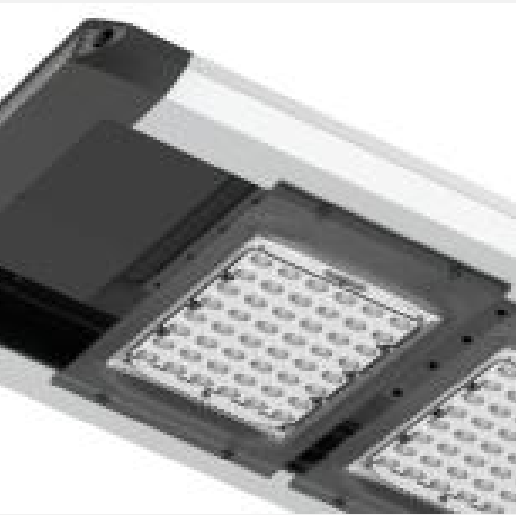
FX-PLUS Series | Light Distribution Curve

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM





190LM/W
high efficiency led



Sensor + Magnet switch
+ Indicators for all status



0° - 90° angle
adjustable bracket



Easy maintenance
battery pack

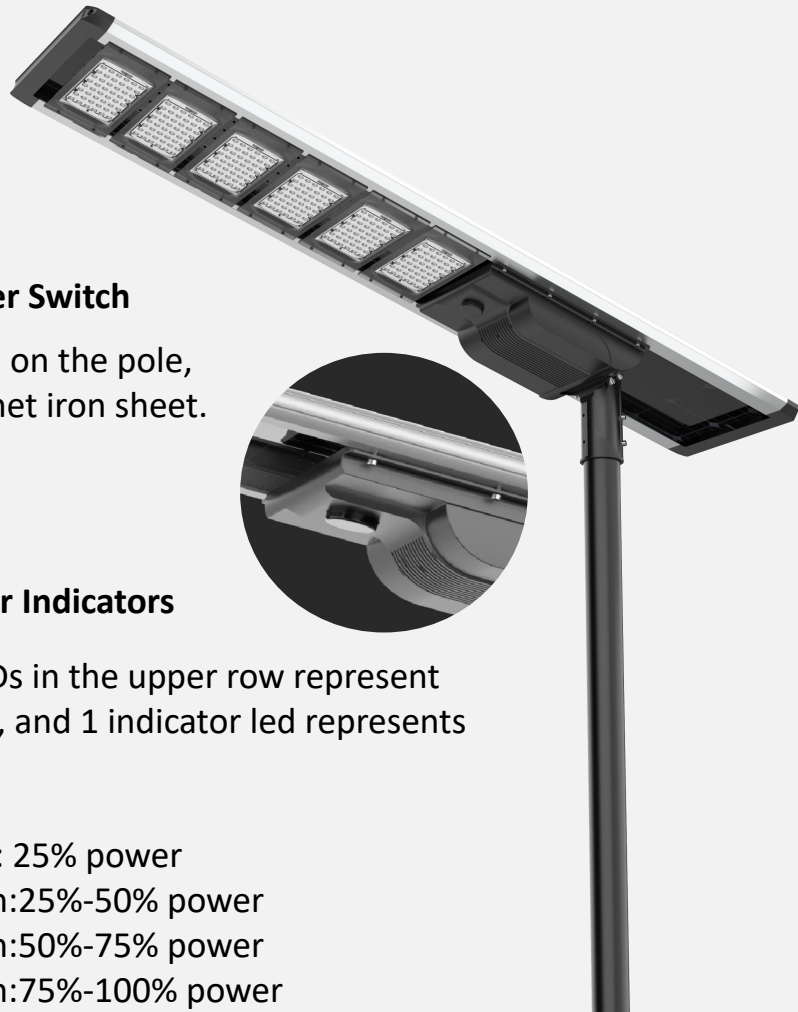


High-strength
aluminum alloy frame



High-efficiency mono
solar cells: >21%

The Controller of FX series adopts extremely simplified design, integrated controller, microwave induction, and magnetic switch in one, which makes the operation simple, the maintenance simple, and the stability is higher.



1. Magnet Power Switch

Before mounted on the pole, take away magnet iron sheet.



2. Battery Power Indicators

The 4 blue LEDs in the upper row represent battery power, and 1 indicator led represents 25% power.

- 1 indicator on: 25% power
- 2 indicators on: 25%-50% power
- 3 indicators on: 50%-75% power
- 4 indicators on: 75%-100% power



3. Status Indicators LEDs

| Solar Light Controller Status Indicator | | |
|---|----------------------------|---|
| Indicator Light | Status | Indicator Light description |
| ① Yellow (Motion sensor) | On | Movement Detected |
| | Off | Without Movement Detected |
| ② Green (LED) | On | LED with output: Light on |
| | Off | LED without output: Light off |
| | Flicker | LED Short circuit |
| ③ Blue (Battery) | On | Battery power enough for work |
| | Off | Battery Without output |
| | Flicker | Battery undervoltage |
| ④ Red (Solar panel) | On | Battery charged to full power |
| | Off | Solar panel without output (at night) |
| | Flicker | Solar panel is charging the battery |
| ⑤ Red & Green & Blue | Cycle light on in sequence | Battery cable plugged in backwards, poor battery connection contact, faulty battery, no battery connected |

FX-PLUS Series | Remote Control



Equipped with a 433 remote control, which uses a drone remote control solution. The remote control distance can reach 30 meters, which can directly penetrate obstacles. At the same time, it can control multiple lamps.

Four lighting modes are available. The mode can be selected according to the seasonal sun. The most suitable mode can be selected according to the seasonal sunshine.

User manual for remote controller:

Demo: No matter day or night, light "on" for 1 minute, only for test use.

Off: No matter day or night, light "OFF" .

L: At night, 12 hrs full power.

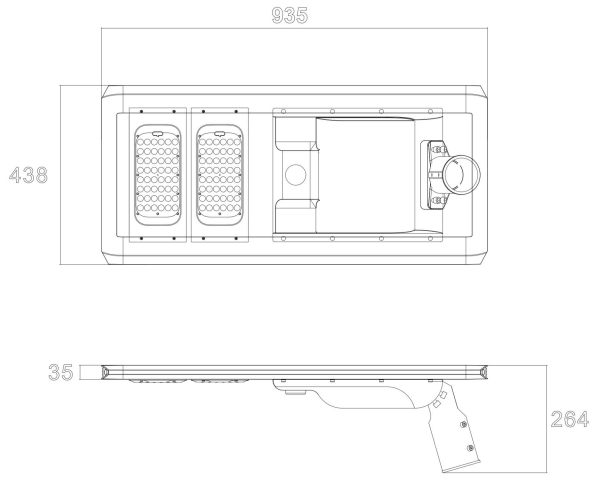
T: At night, 4 hrs full power + 8 hrs 25%.

M: At night, 12 hrs motion sensor control.

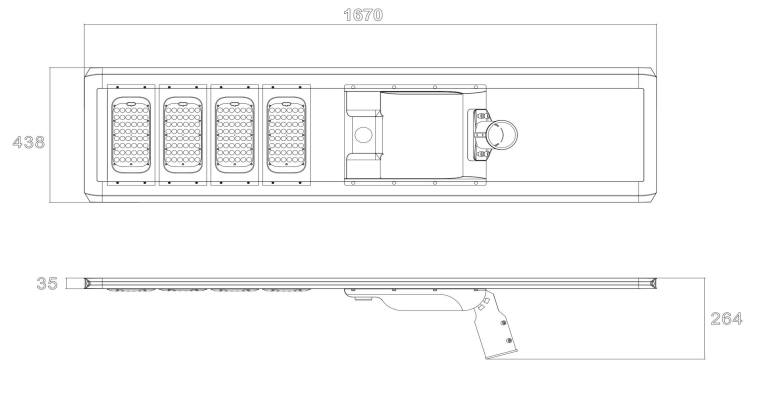
U: At night, 4 hrs full power + 8 hrs motion sensor control.



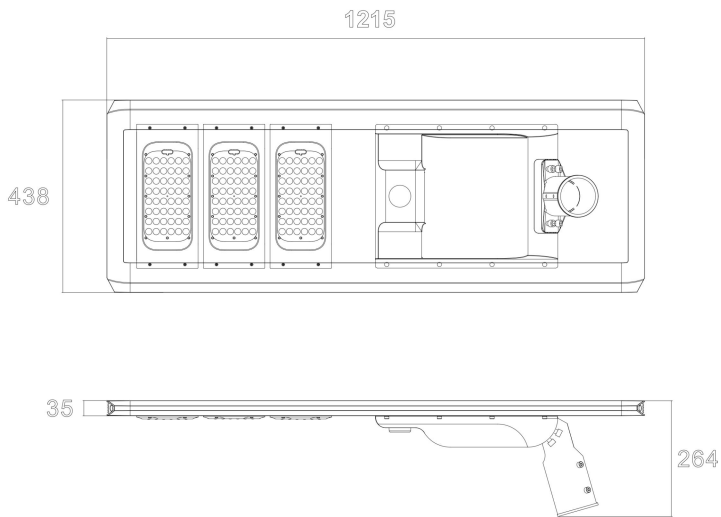
FX-PLUS Series | Dimension Figure



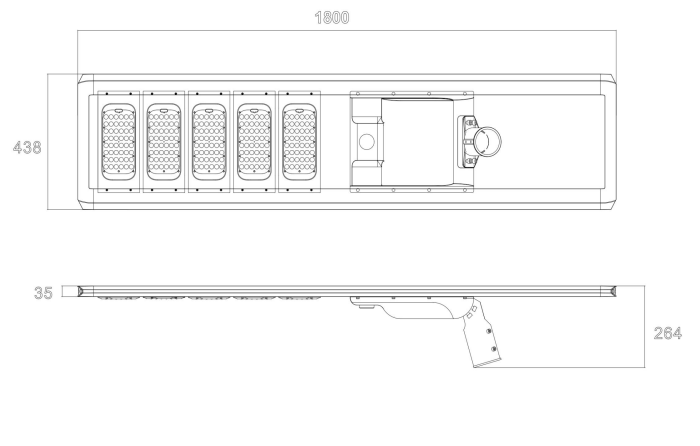
FX60W-PLUS



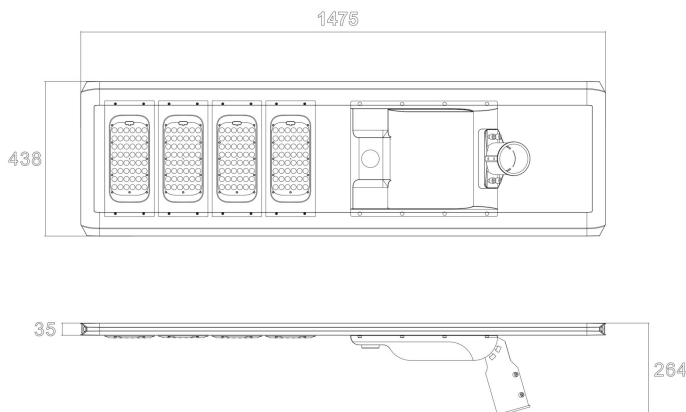
FX120W-PLUS



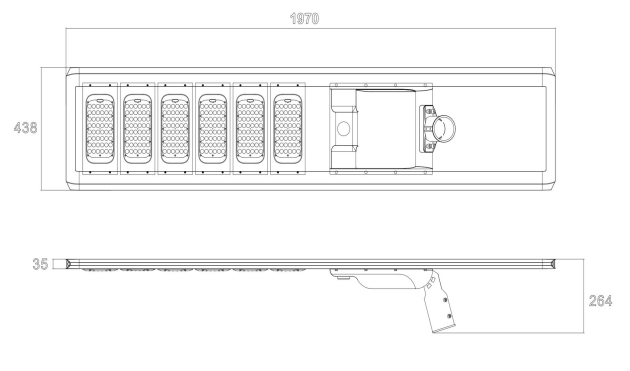
FX80W-PLUS



FX150W-PLUS



FX100W-PLUS



FX200W-PLUS



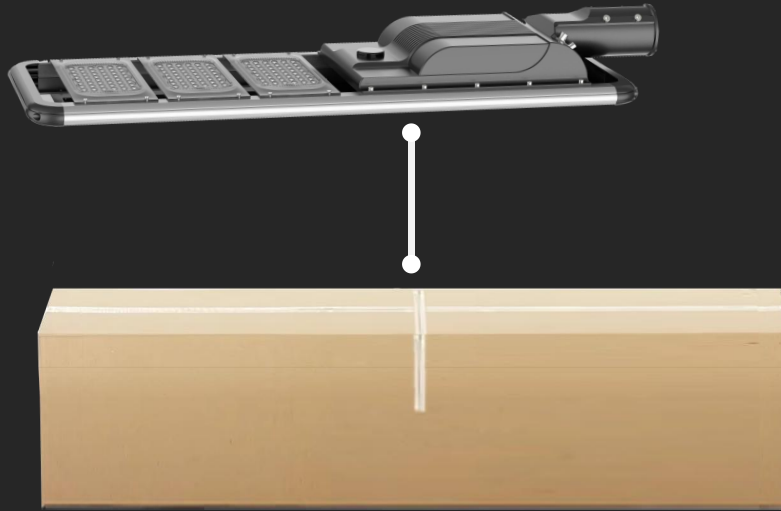
2 Installation Ways for Selections



FX-PLUS Series | Package

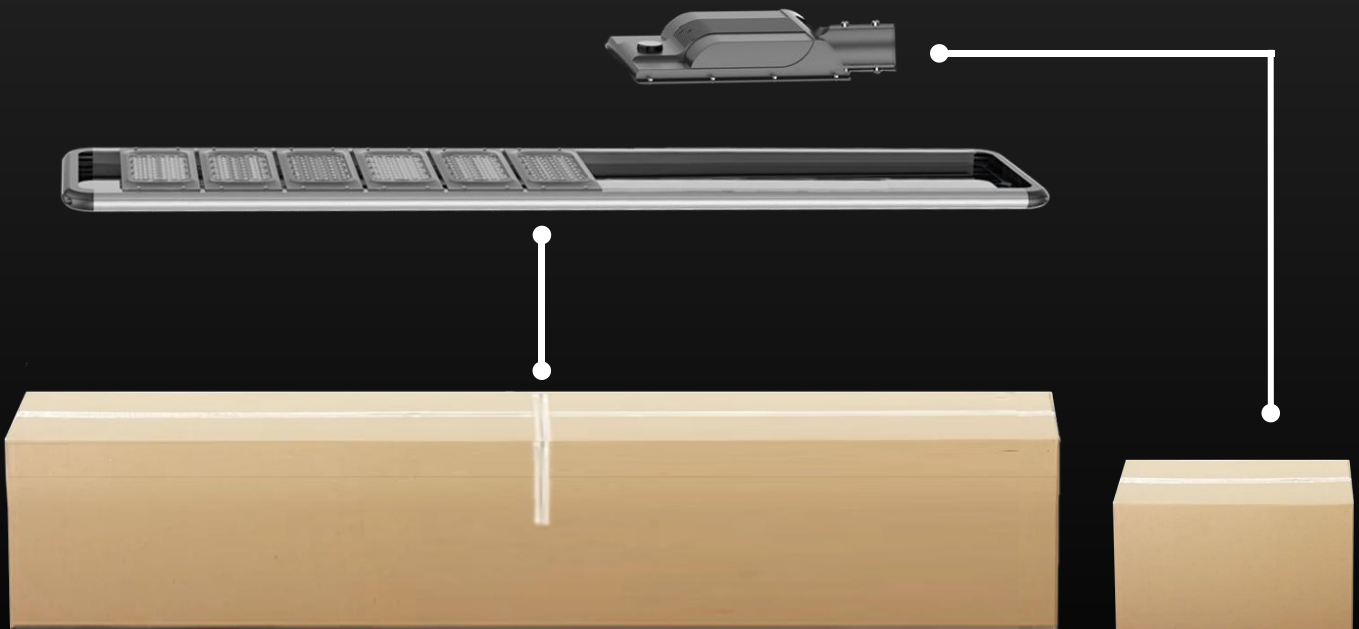
FX60W-PLUS/FX80W-PLUS/FX100W-PLUS Package

1 package: 1pc lamp per carton



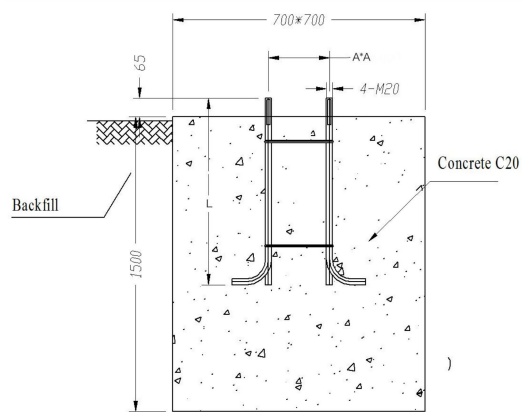
FX120W-PLUS/FX150W-PLUS/FX200W-PLUS Package

2 packages: 1pc lamp per carton + 1pc battery pack per carton

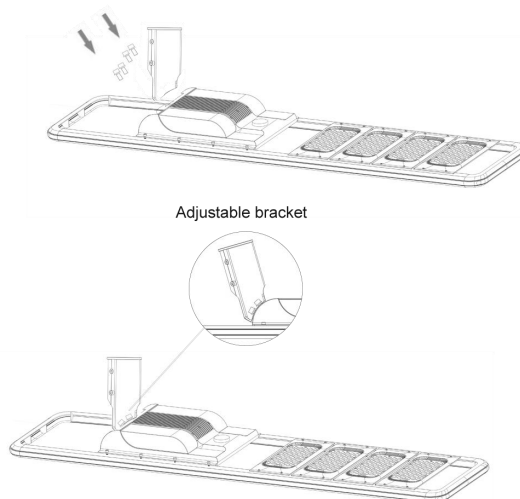


FX-PLUS Series | Installation Instruction

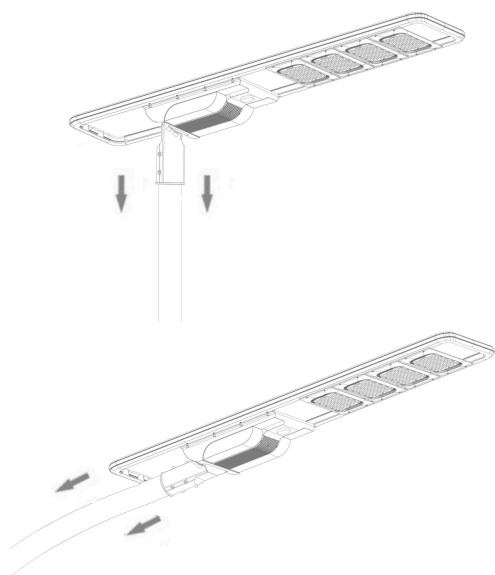
1. Dig a hole according to the size of the foundation cage, put the foundation cage into the hole and fix it with concrete.



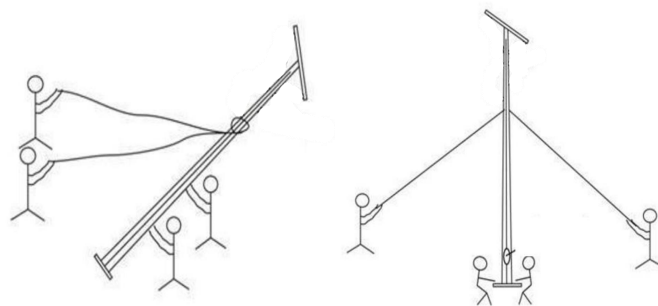
2. Use the supplied screws to fix the bracket on the lamp.



3. Use the supplied screws to fix the lamp on the pole.



4. Lift the lamp pole by the person or machine, align the bottom flange of the lamp pole with the foundation cage, and then fix the lamp pole with screws.



A night-time photograph of a city skyline with numerous lights, viewed from an elevated position.

CITY ROAD

A photograph of a street at night, illuminated by streetlights, with a road barrier in the foreground.

STREET

A photograph of a large, open square or plaza with a large spherical object in the foreground and buildings in the background.

SQUARE

A photograph of a park with a paved path, green grass, and trees.

PARK

A photograph of a paved road in a rural area, with houses and trees in the background.

RURAL ROAD

A photograph of a parking lot with several cars parked, and a building in the background.


PARKING LOTS

A photograph of a modern school building with a large glass facade.

SCHOOL

A photograph of a garden with a paved path, green grass, and a building in the background.

GARDEN

A photograph of a winding road in a remote, mountainous area.

REMOTE AREA

Widely used in branch roads, streets, and factory roads, parks, villages, mountainous and remote areas, lighting projects, courtyards, schools, squares and other places that require outdoor lighting, helping domestic traditional lighting to upgrade to LED green new energy lighting Replace.

FX-PLUS Series | Applications

