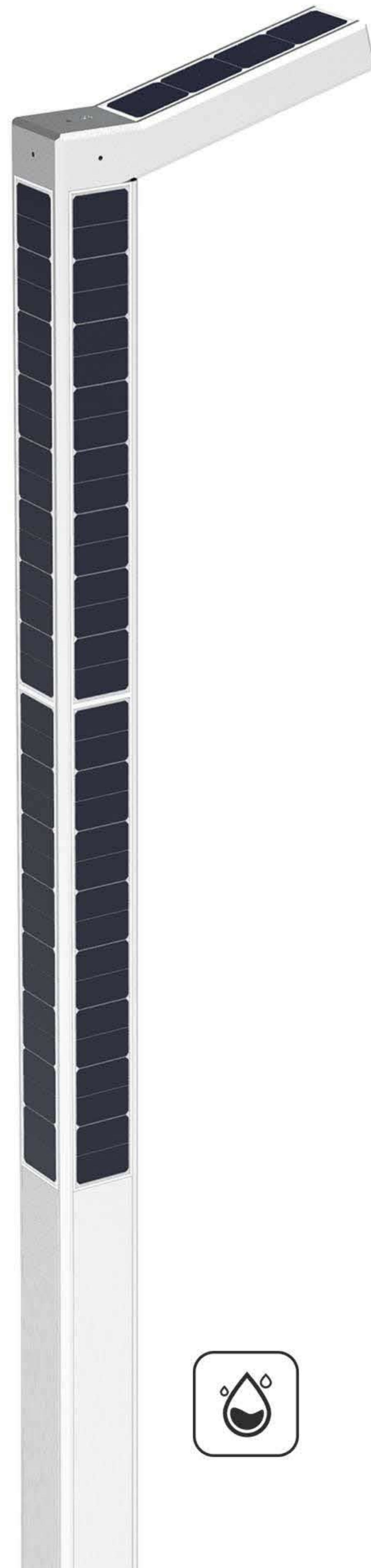
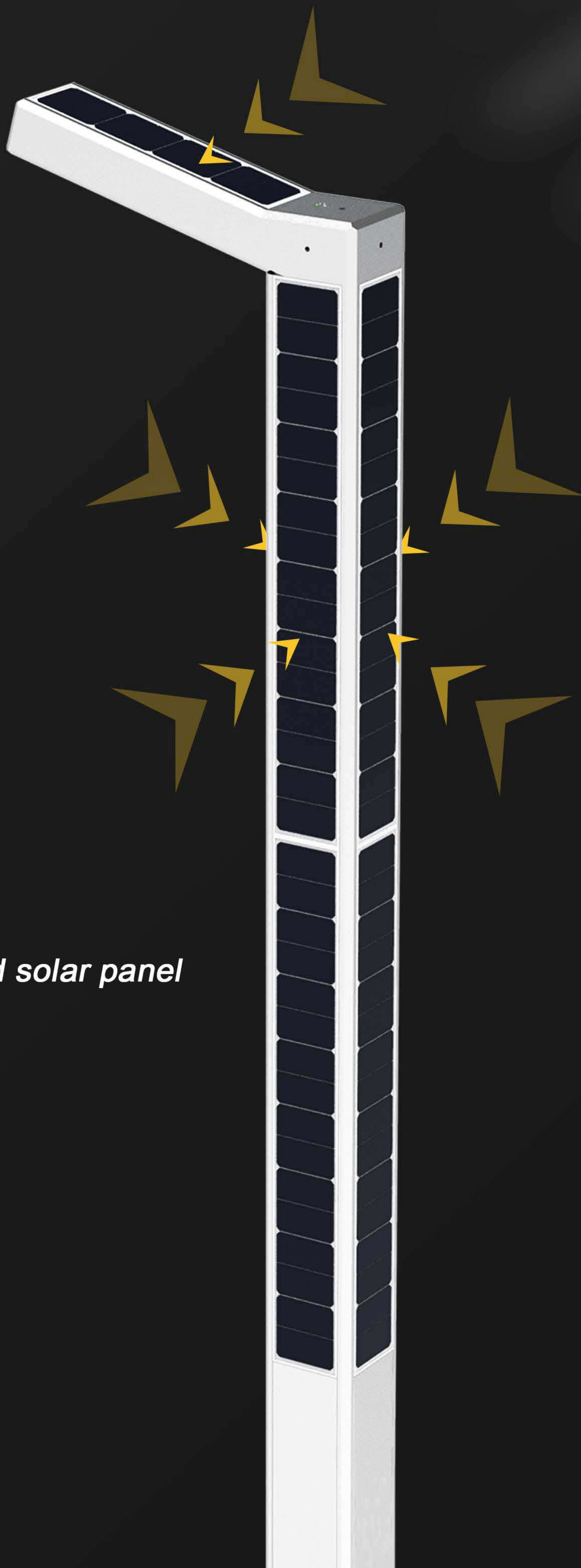
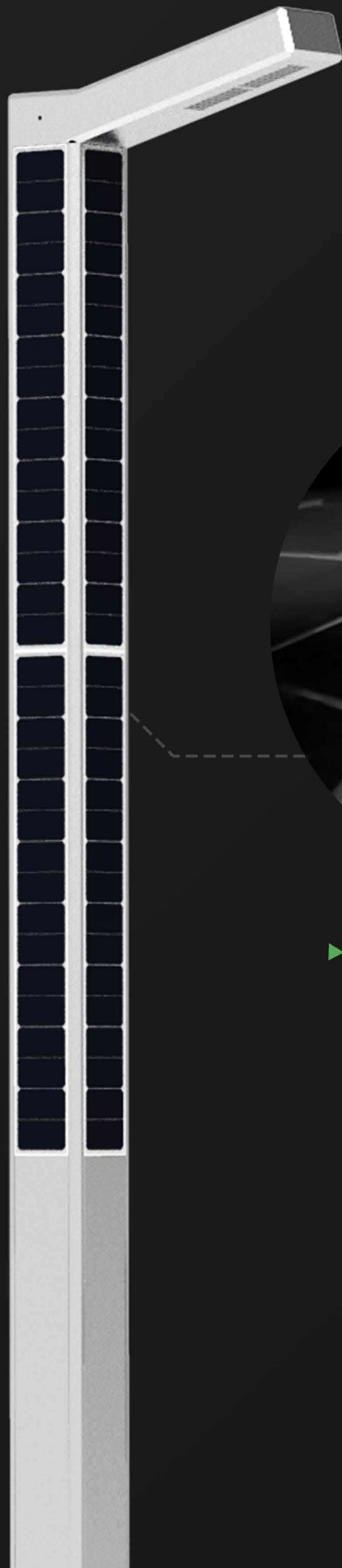


SQUARE HELIOS





► *Five-sided solar panel*



- ▶ *Modular Mounting*
Monocrystalline Solar Panel
Efficiency up to 24%

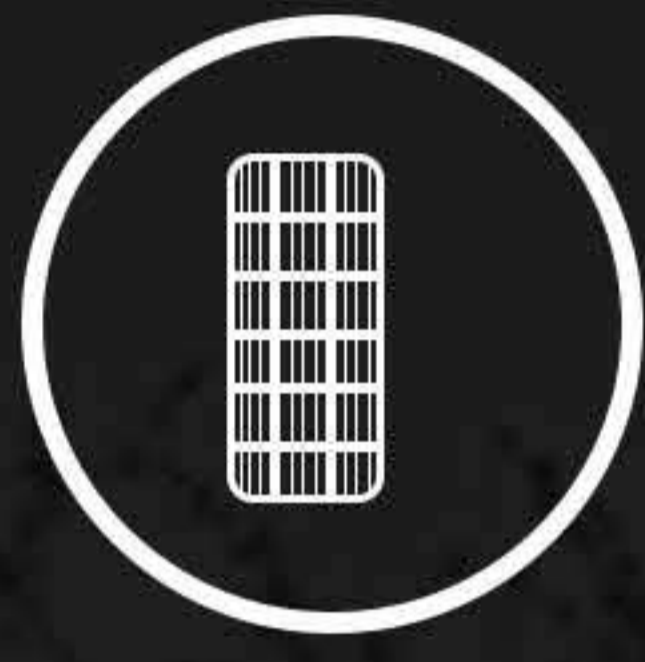


◀ *Battery placed inside pole*

ALSO WE HAVE WHAT OTHERS DON'T



Customizable lamp holder



Embedded solar panels



High wind-resistant



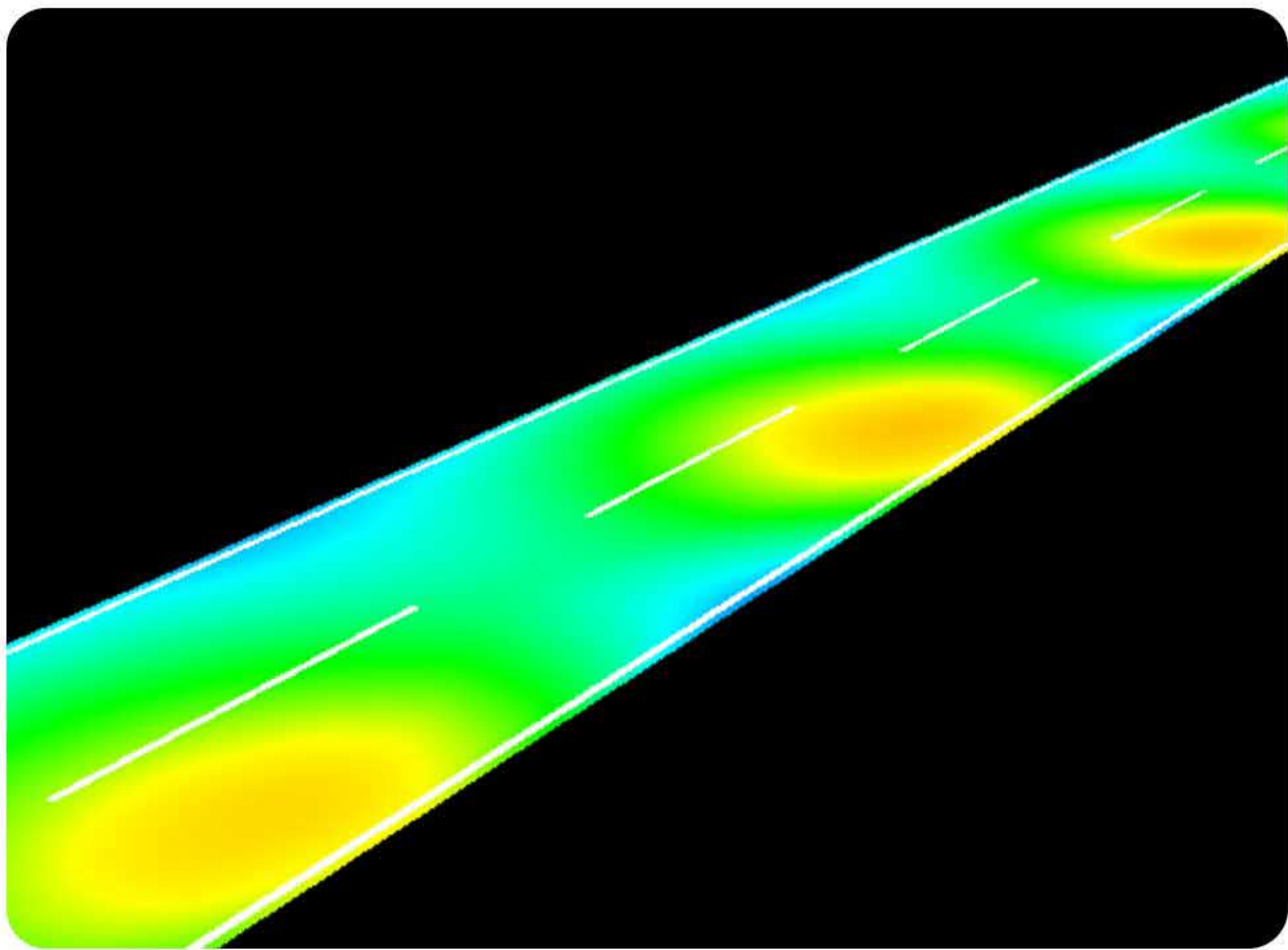
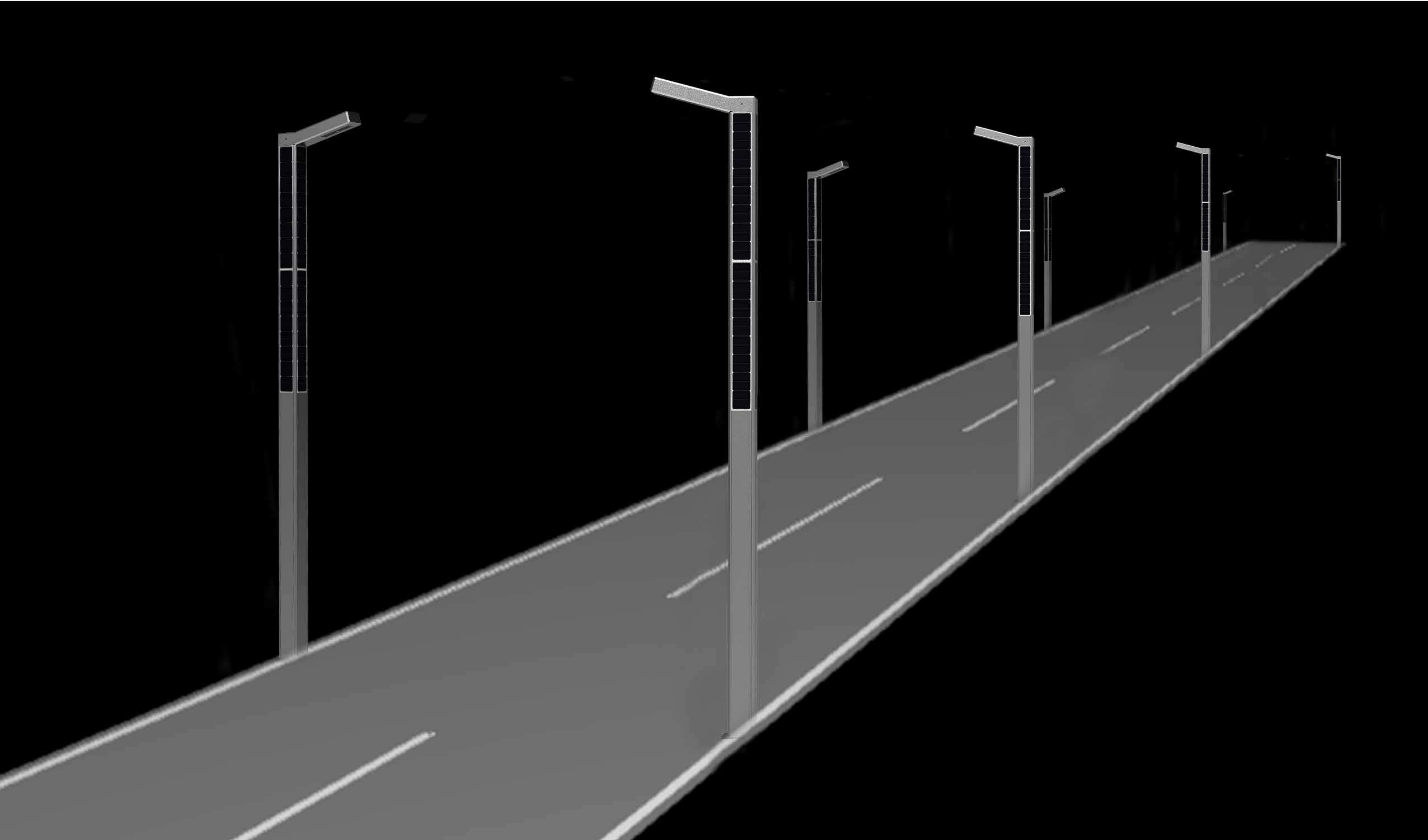
Carbon steel



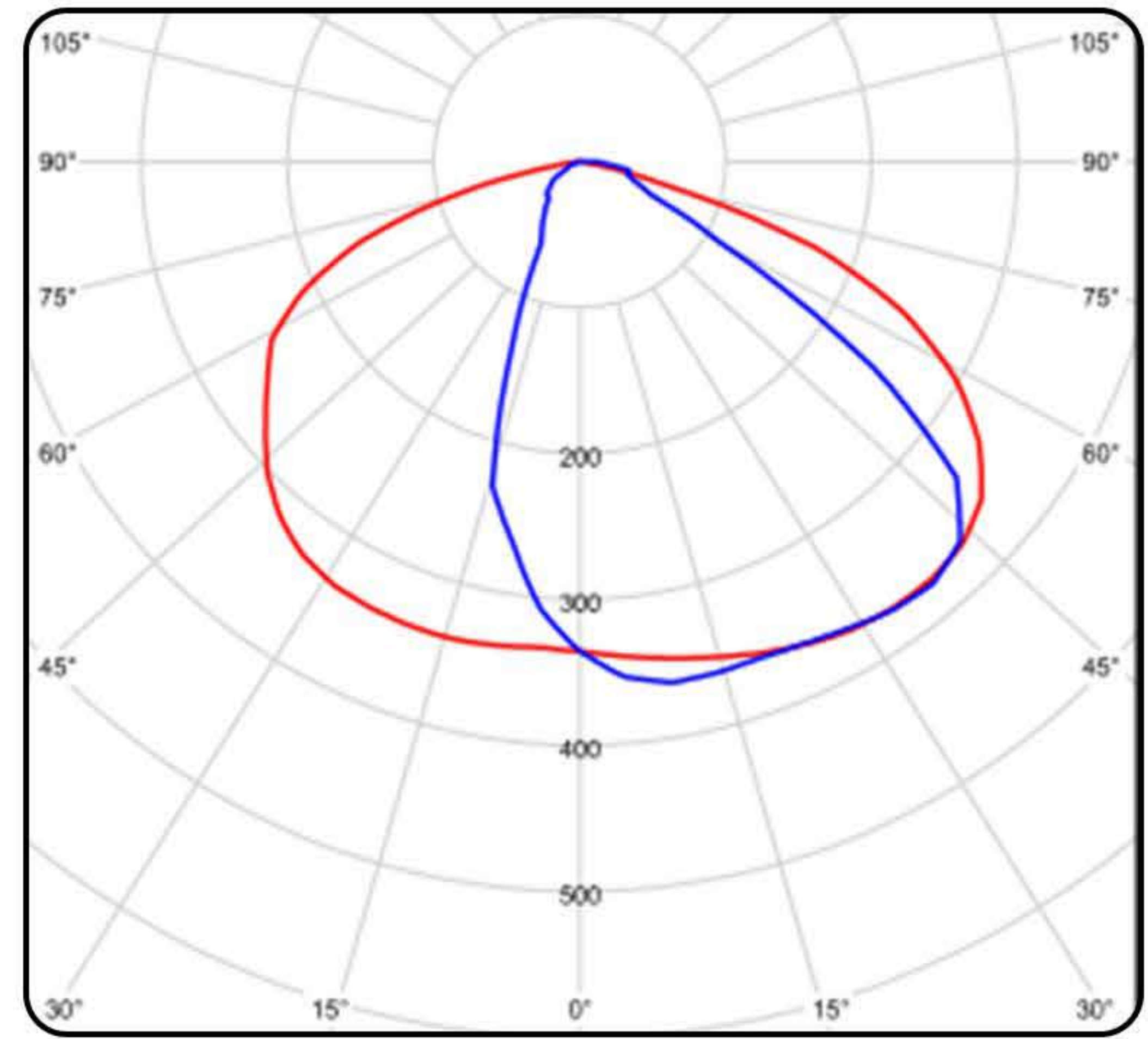
Large battery capacity



Long working hours



Road Simulated Diagram



Light Distribution Curve

Mode NO. Square Helios

Lighting

Light Output 12000LM
 LED Chip High bright 5050
 CCT 2700-6000K (can be customized)
 Life Span 100,000 hours to LM80 specifications
 Working Way Motion Sensor / IoT / Time Schedule

Solar Panel

Power of PV module 320W
 Life Span 80% power after 25 years

Storage

Battery Capacity 1100WH
 Lighting time in rainy day >10 days
 Life Span 4000 Cycles (>10 years)

Charging Controller

Life Span >12 years
 Working Mode MPPT
 Control Mode Intelligent, activated by sunlight

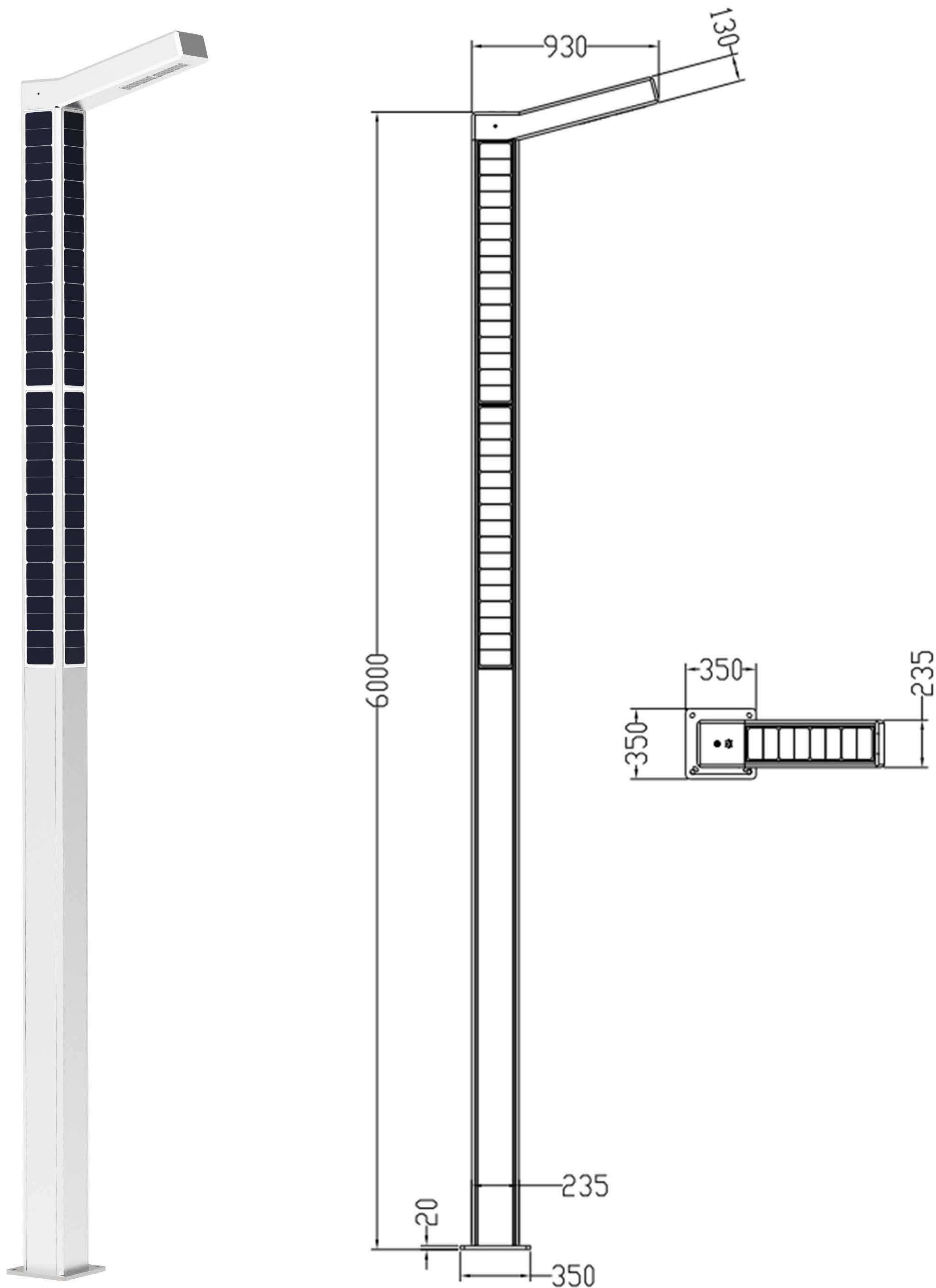
Environment

Working Temperature -15°C to +70°C
 Water Resistance IP65

Solar Panel Autoclean —

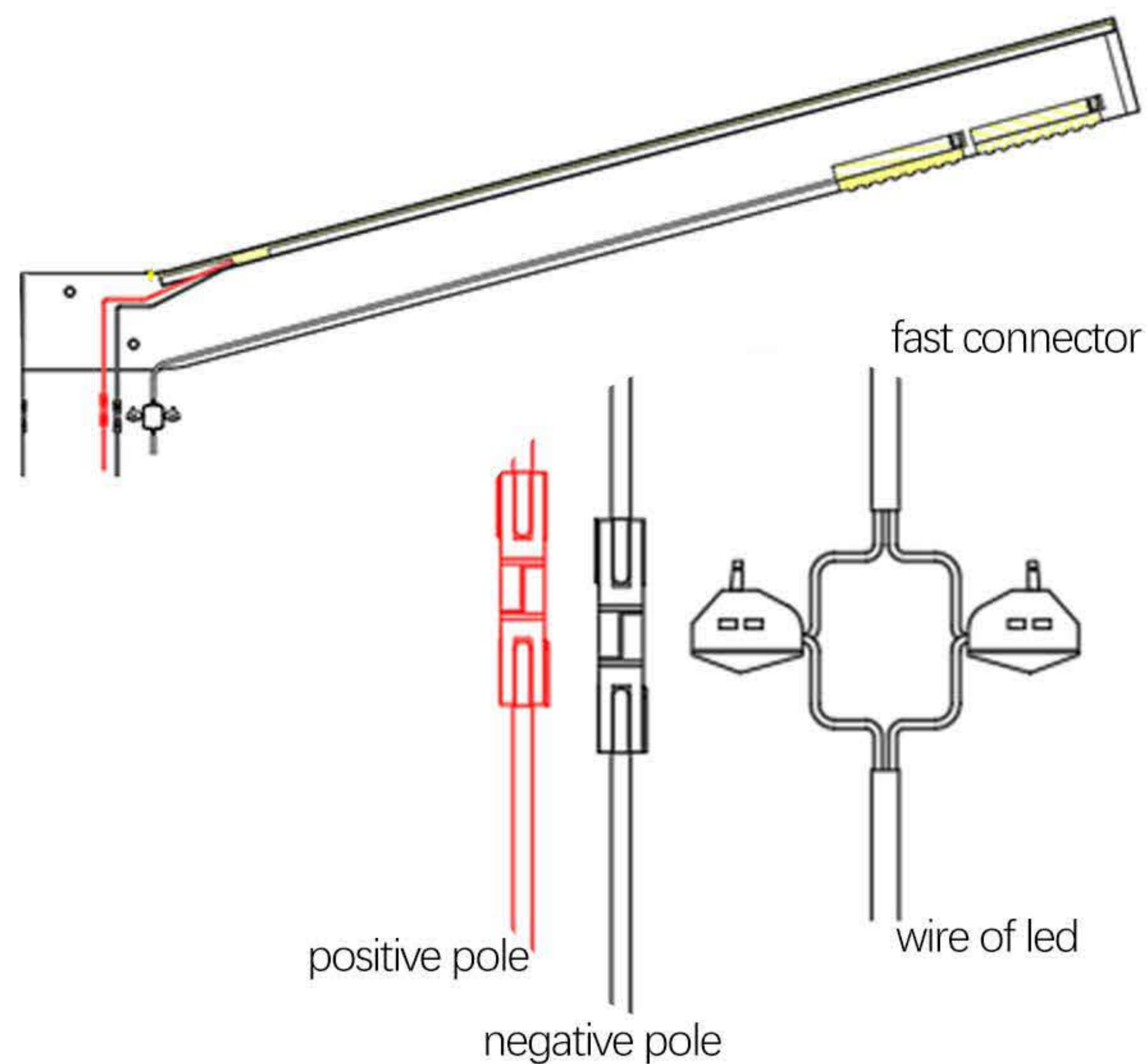
Mechanical Specifications

Recommended Pole Height 6m
 Net Weight (Kg) 156
 Package Dimension (mm) 6000*350*350 (Pole)

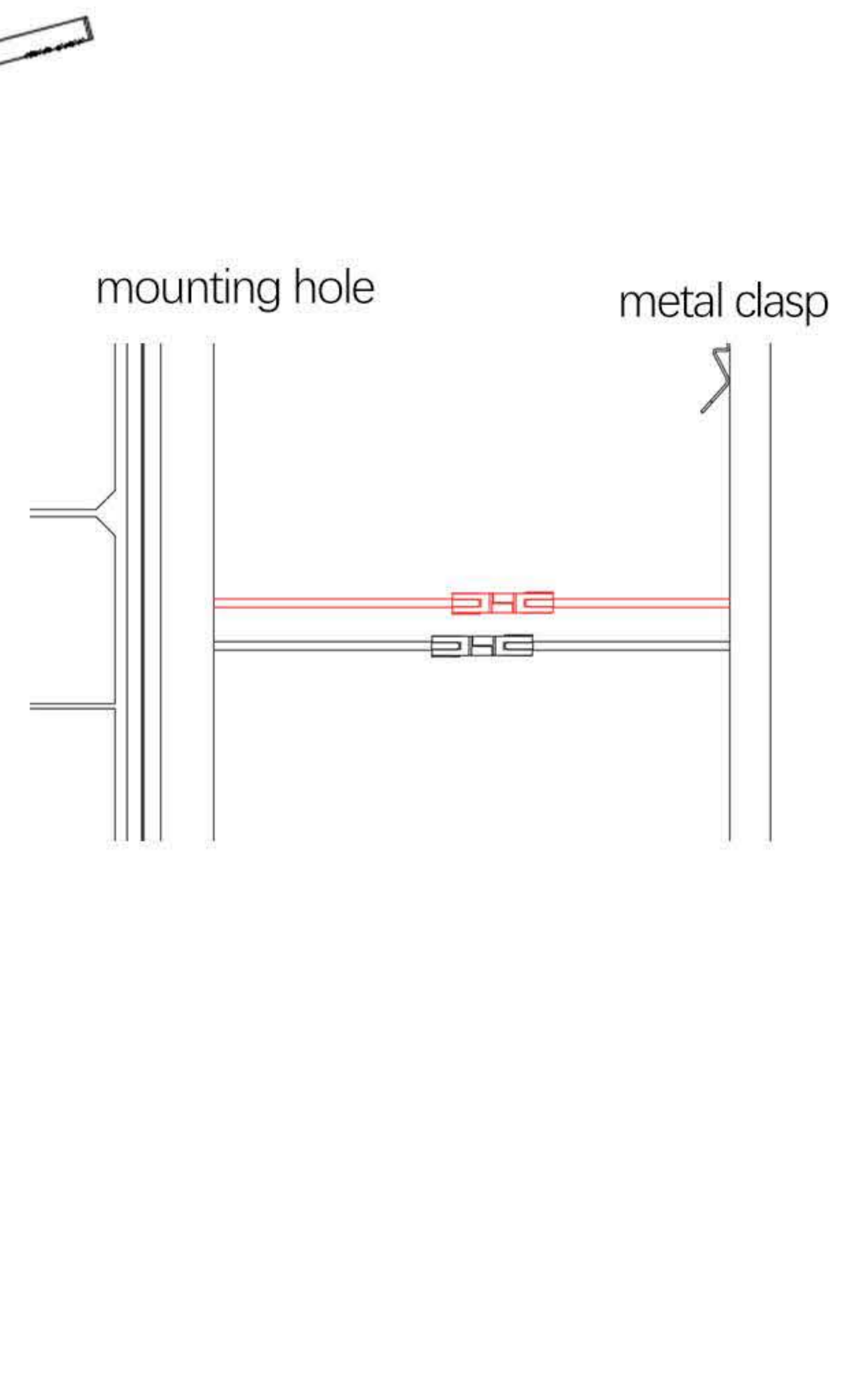


SQUARE HELIOS | INSTALLATIONS

1. Connect the wire of the lamp head and the terminal butt, wrap tightly with waterproof electric tape to prevent it from falling off. Note that the positive and negative poles cannot be reversed; the wire of led is connected with the fast connector.

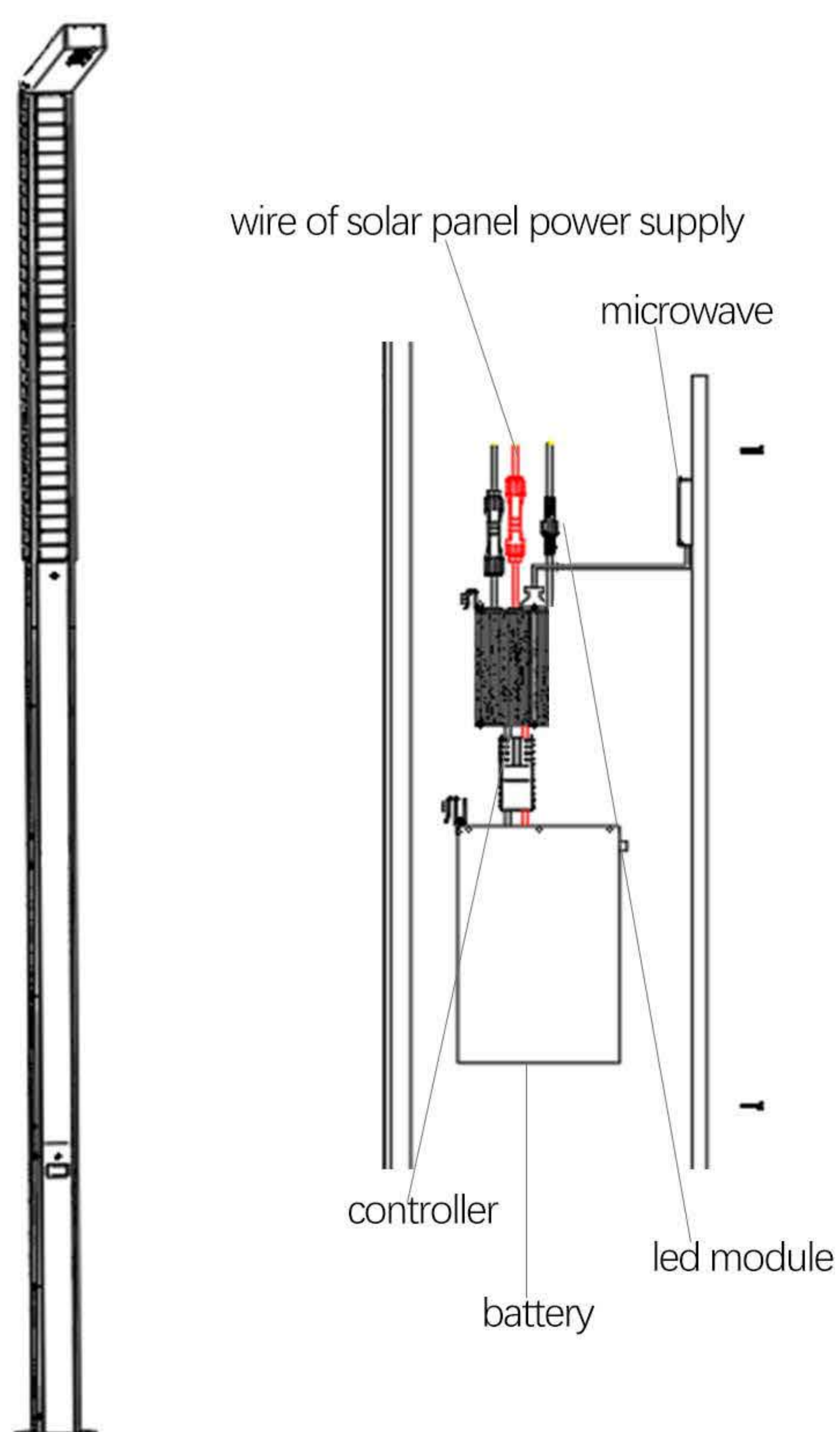


2. Install the solar panel and wires. Connect the terminals according to the color of the wire. Note that the positive and negative electrodes cannot be reversed; after the wires are connected fasten the solar panel clasp to the corresponding mounting hole of the light pole.

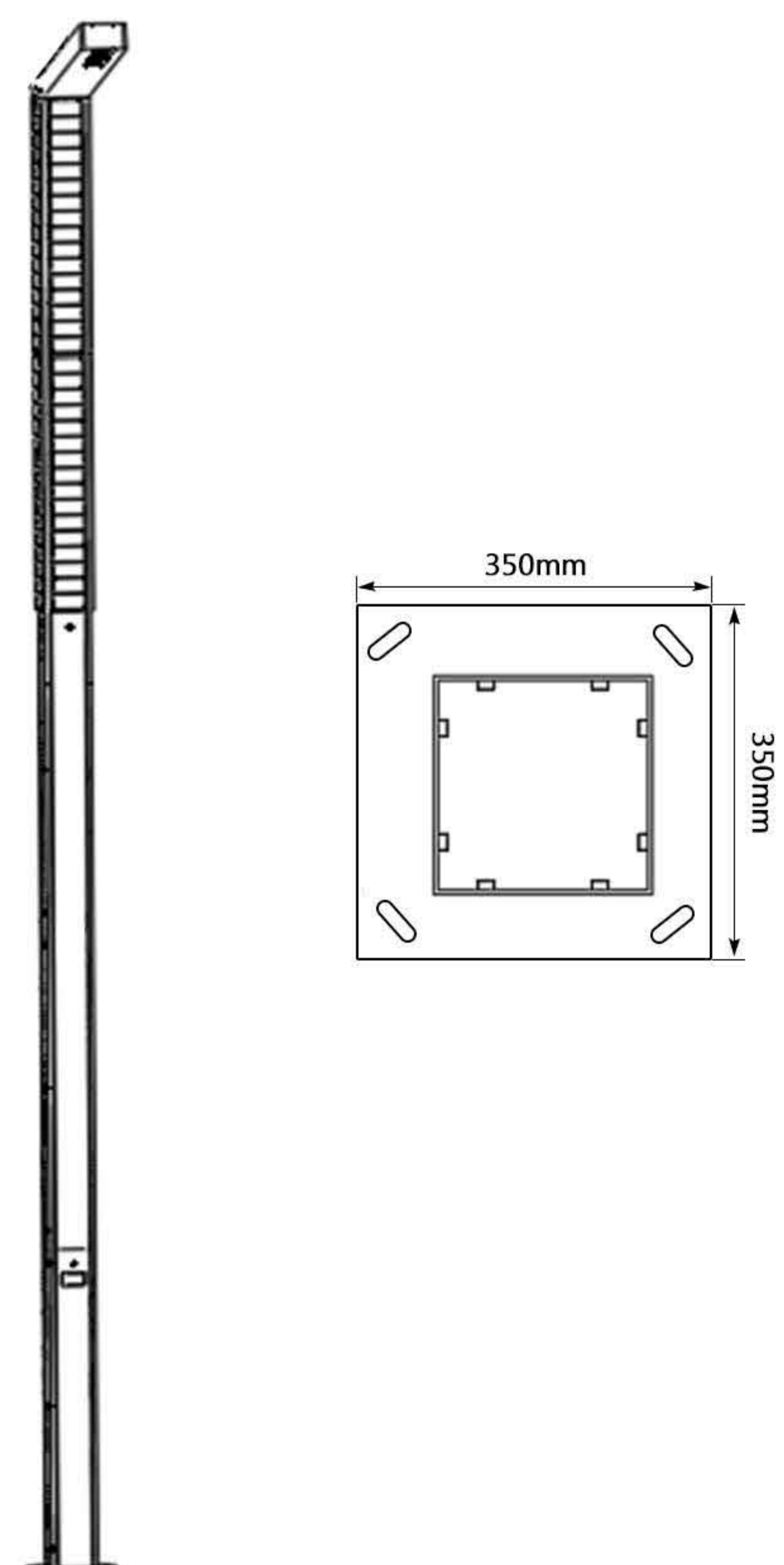


3. Controller and battery connection mode:

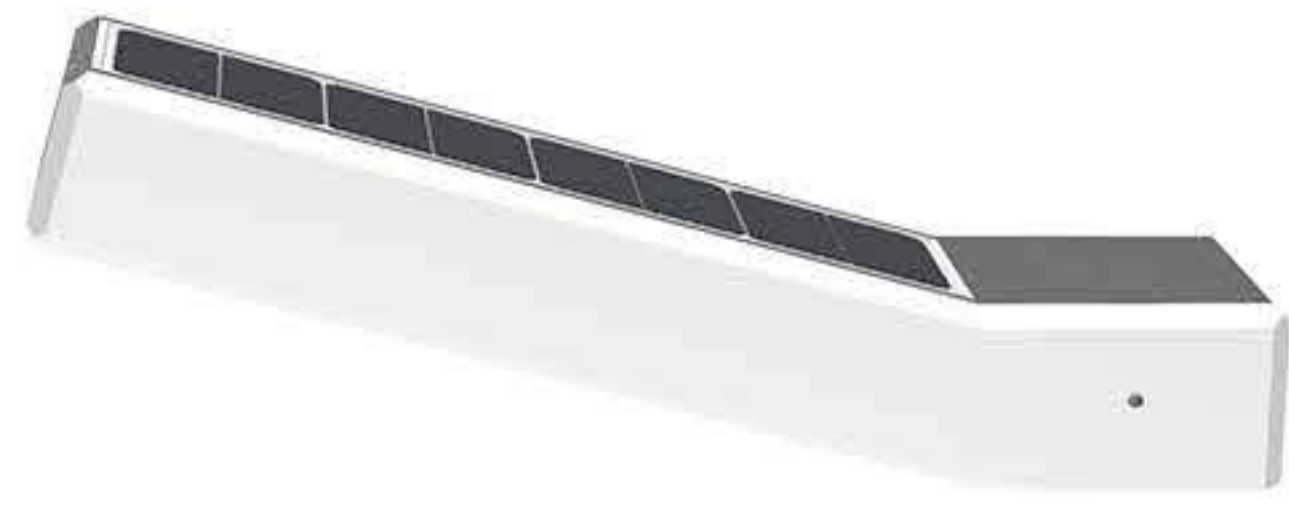
1. Unscrew the bottom panel screws to remove the panel;
2. Connect the positive and negative wires of the solar panel to the MC4 terminal and the controller according to the color. Be careful not to connect the positive and negative poles reversely;
3. Connect the wire of led to the controller;
4. After the wiring is installed, install the panel back to the original position and lock the screws.



4. The anchor bolts are not provided by our company. The anchor bolt positioning size must be operated in accordance with the drawings. The specific foundation size is different, it is related to the local soil conditions, you can consult the local installation contractor.



1



Step 1



Step 2

Accessories	QTY(PCS)	Package Size(mm)	Net Weight
LED Lamp	1	1580*236	11kg

2



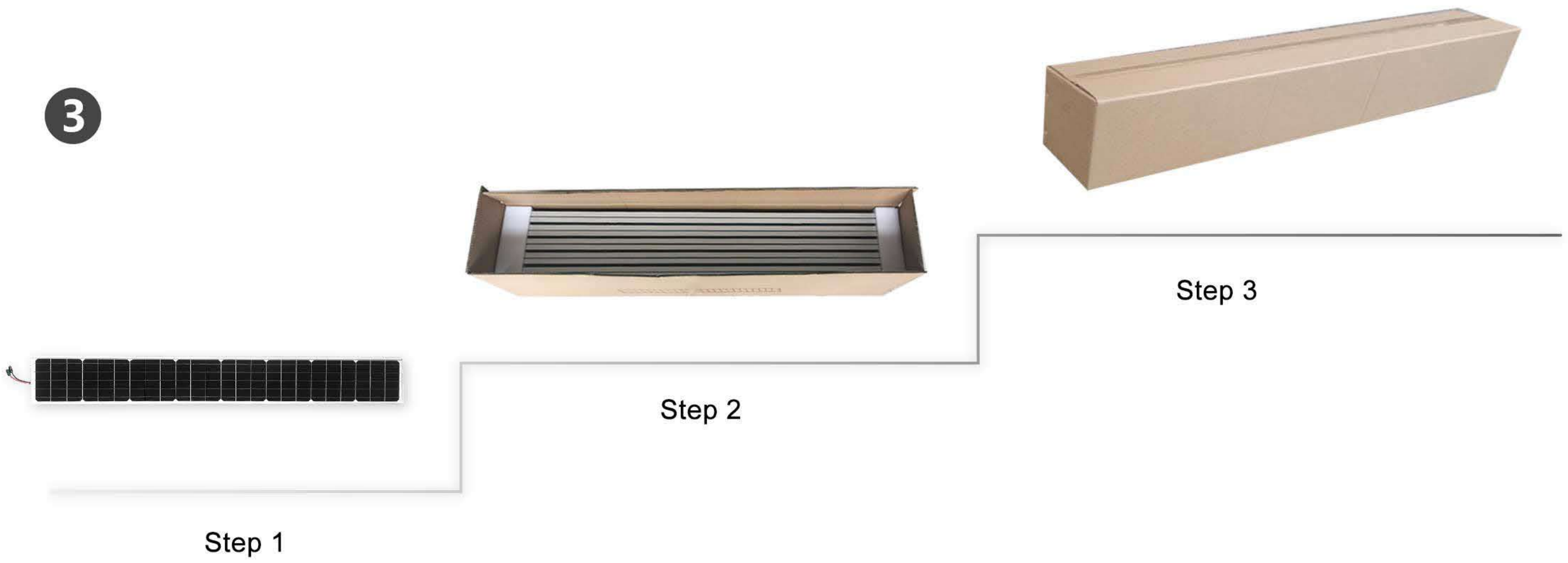
Step 1



Step 2

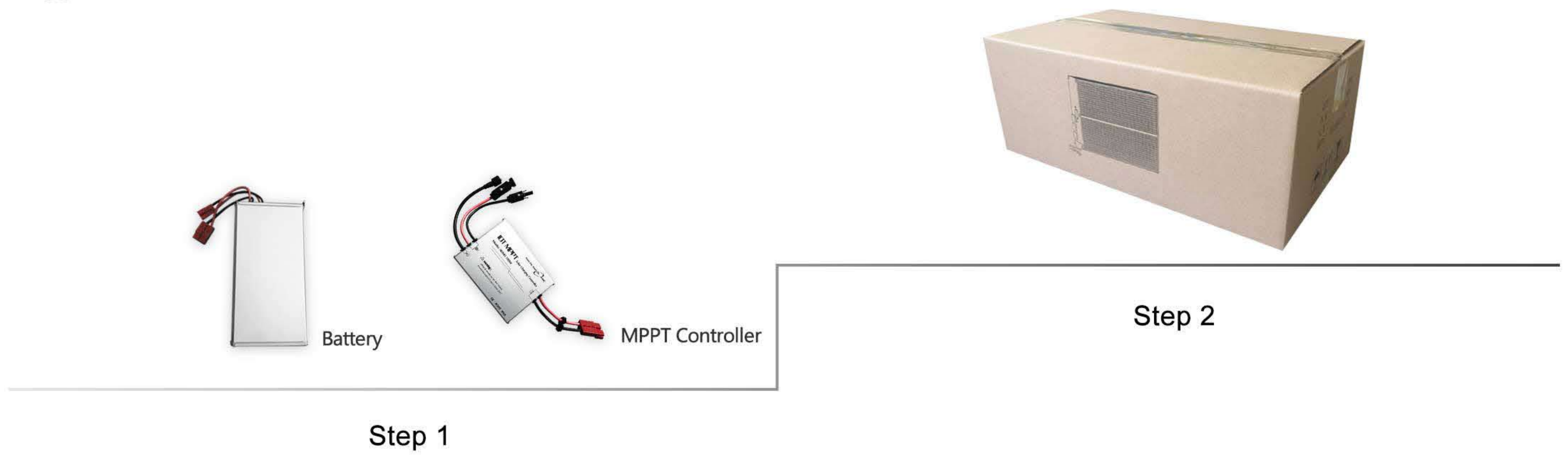
Accessories	QTY(PCS)	Package Size(mm)	Net Weight
Pole	1	6000*350*350	156kg

3



Accessories	QTY(PCS)	Carton Size(mm)	Net Weight
Solar Panel	8	1360*280*220	24.8kg

4



Accessories	QTY/Carton	Carton Size(mm)	Net Weight/Carton
Battery	10	590*530*360	96kg
MPPT Controller	20	570*350*240	25kg

SQUARE HELIOS

SOLAR STREET LIGHT

