

Specification of Solar street lamp



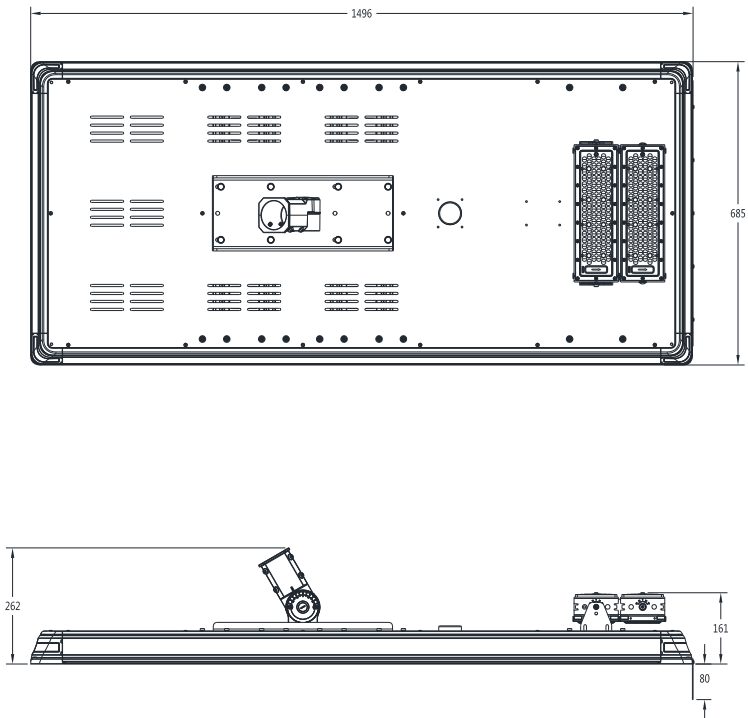
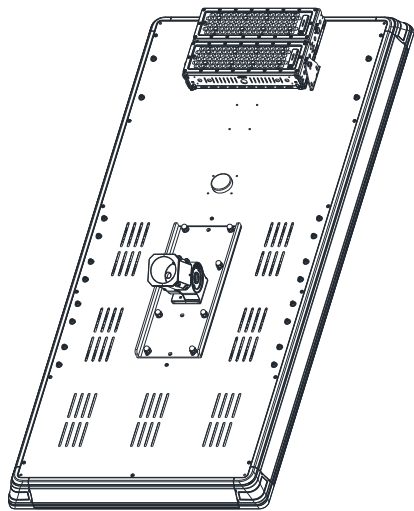
Product features:

- 1.Using Imported monocrystalline silicon solar panels which are common in aerospace fields such as space stations and satellites. The conversion rate is as high as 21%. It has unique advantages in photoelectric conversion efficiency and speed, and has a long service life of 25 years.
- 2.Using lithium iron phosphate battery, green and environmental protective,free of heavy metals,with charge / discharge hardware and software double protection technology,good high temperature technology,it can support large current discharge, life can be cycled more than 2000 times.
- 3.Intelligent control system installed,manage and maintain every battery units in an intelligent way, prevent the battery from overcharging and overdischarging, monitor the status of the battery,effectively extended the battery life,ensure a safe and lasting operation of the product;unique battery warming and Heat preservation Technology(optional),protect the lamp from the cold,making it able to illuminate the world even in a snowy, icy night.
- 4.With light-operated and dimming function,able to automatically turn on in the dark and turn off at daybreak,the multistage time control can control different power output in each period,the lamp also have intelligent microwave induction that can turn on when people come, and turn off when people leave,effectively extend the lighting time.
- 5.Integrated design,easy to install,no need for wiring,and it is install-and-play,zero electricity charge.
- 6.Using light source module that can be adjust in multiangle,plus adjustable rotating lamp arm,enable the solar panels to get the best sunlight,flexibly match the installation requirements of areas at different latitude.The adjustable range of light source is $-30^{\circ}\sim 30^{\circ}$,the adjustable range of the rotating lamp arm is $-60^{\circ}\sim 60^{\circ}$.
- 7.Unique bird proof design can effectively prevent birds from excreting dirt onto solar panels to block the battery chip and affect .
- 8.Using imported light source module with ultra high ,the overall lighting efficiency is over 180lm/w,increased 30% compared with the ordinary LED street lamp.
- 9.Able to work continuously for 5~7 rainy days or more(different when in various regions / seasons)(can be produced as required)
- 10.IOT system optional.

Applied range

Widely used in outdoor places such as rural road,urban branch road,the uptown,square, parking lot,park,construction site,mining district and so on.

Product dimensions



Product data

Optical parameters

Light source	3030 Philips
Lens angle	145°*75°/145°*100°
Nominal luminous flux	11100lm
Nominal light efficiency	≥180lm/W
CCT	5700K
CRI	Ra > 70
1000-hour LED Attenuation rate (%)	< 1%
Warranty	3 years

Electrical parameters

Photovoltaic panel power	150W
Lithium iron phosphate battery capacity	640Wh
Rated power (factory setting)	100W

Installation parameters

Recommended installing height	8~10m
Recommended installing distance	25~30m
Pole diameter	Ø60mm
Inductive distance	8~15m

Structural parameter

Product Size (each)	1496*685*161mm(L*W*H)
Package Size(each)	1585*775*245mm(L*W*H)
PCS/ CTN	1
N.W(KGS)/ CTN	34.9KG
G.W(KGS)/ CTN	37.9KG

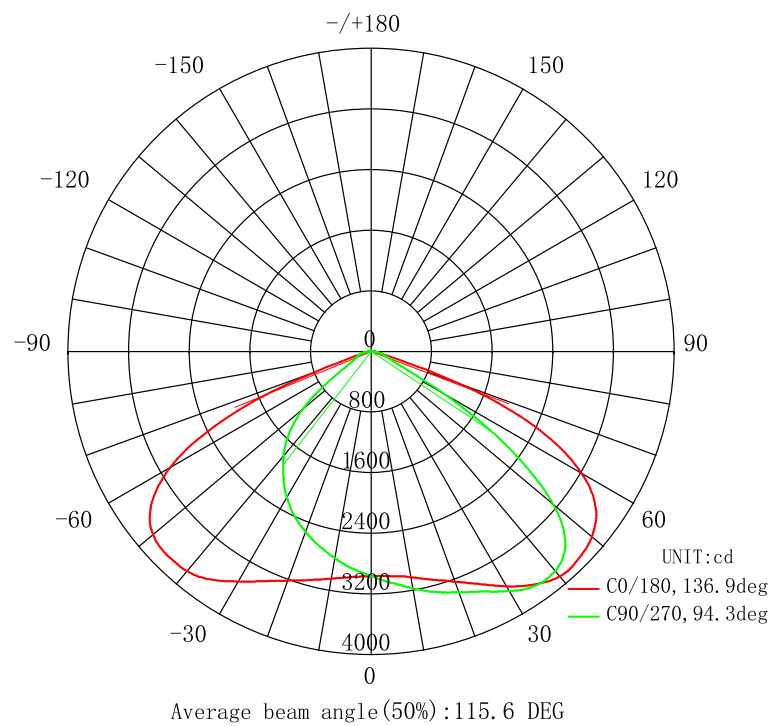
Complete product code

Comprehensive parameter

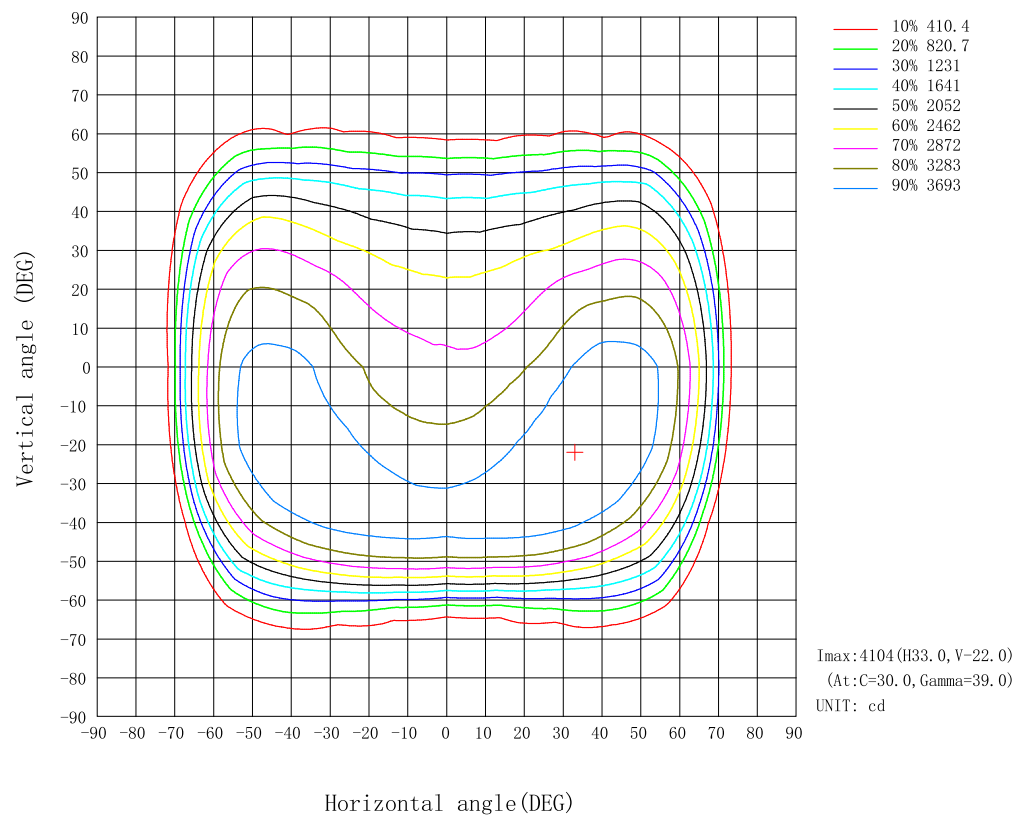
Charging temperature	0°C~65°C
Storage temperature	-20°C~65°C
Storage temperature	-20°C~45°C
Induction mode	Microwave induction
Operate time	Default open smart mode: work within 5~7 rainy days Total power > 10.5hours

IP grade	IP65
High Quality die - casting aluminum ทนการกัดกร่อนไม่เป็นสนิม	
มีวงจรป้องกันอันตรายจากฟ้าผ่าหรือไฟเกิน L,N,PE ,Vmax :20KV Imax:10kA,IP67	
MPPT Controller คุณภาพสูง	

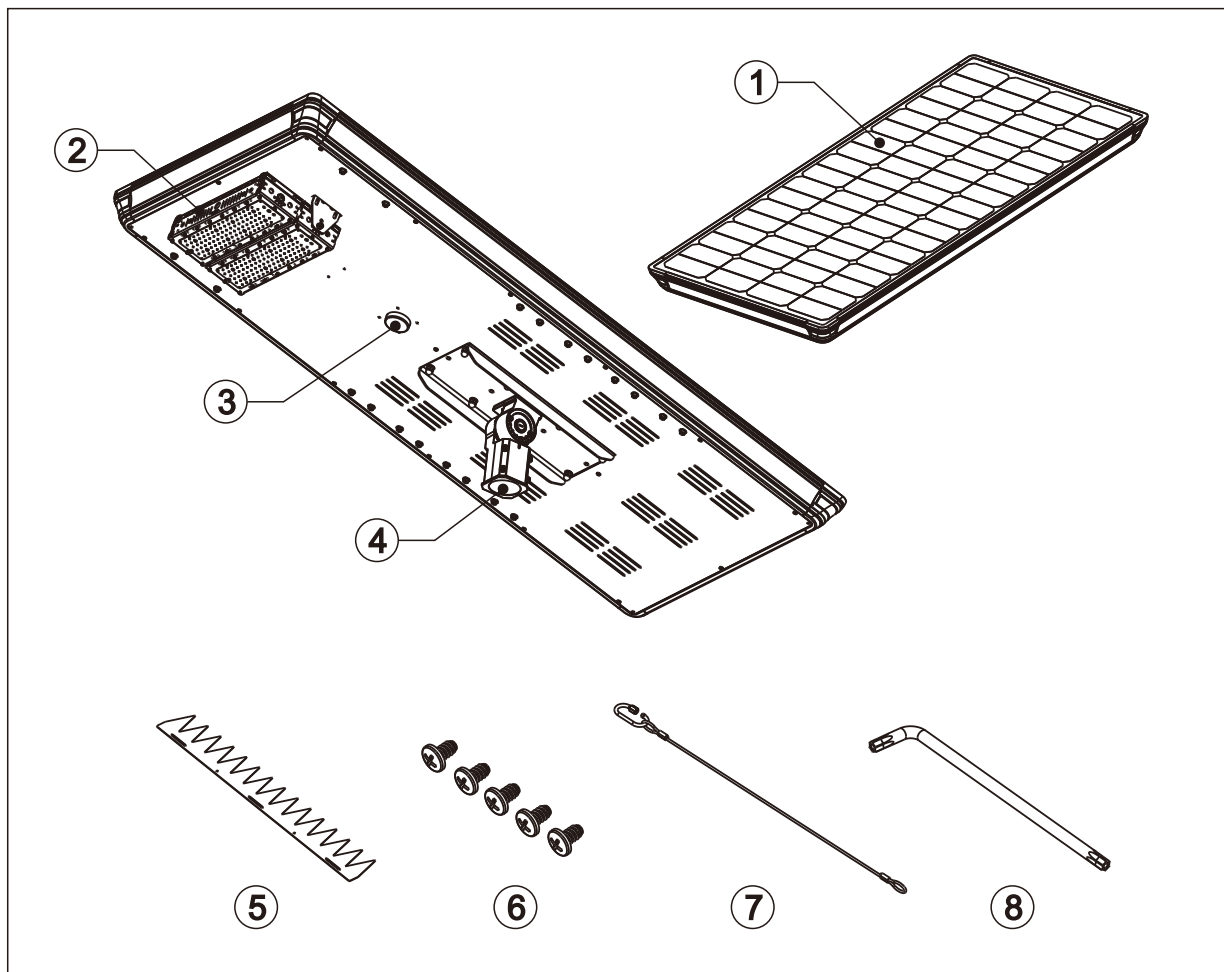
Light distribution curve



Equal light intensity map



Accessories description

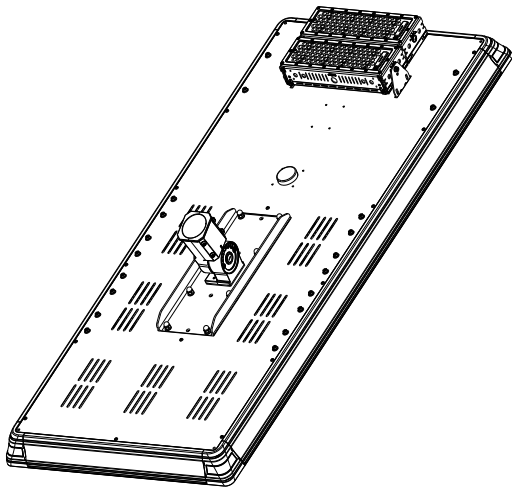


No.	Component name	Description
①	Solar panels	Absorb and convert solar energy into electricity
②	LED light source	Luminous part
③	Microwave sensor	Monitoring the movement of objects
④	Lamp arm	Fix solar street lamp
⑤	Bird proof flake	Prevent bird droppings from contaminating solar panels
⑥	Screw (Ø4*7mm)	Fix bird proof flake
⑦	Safety rope	Prevent the lights from falling
⑧	Special wrench	Fasten and loosen the anti-theft screw of the Lamp arm

Installation instructions

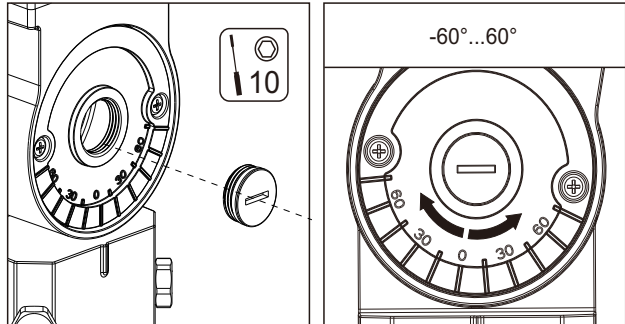
Note: Please activate with the remote control delivered by our company before installation, and install after the lighting test is OK.

① Lamp arm adjustment instruction



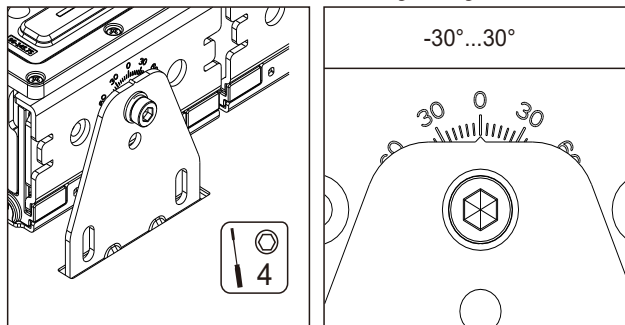
Lamp arm adjustment instruction

1. Unscrew the 1-shaped waterproof cap
2. Loosen the M12 inner Hex screw with a 10# inner Hex screwdriver.
3. Adjust the angle
4. Screw tightening and reset



Light source adjustment instructions

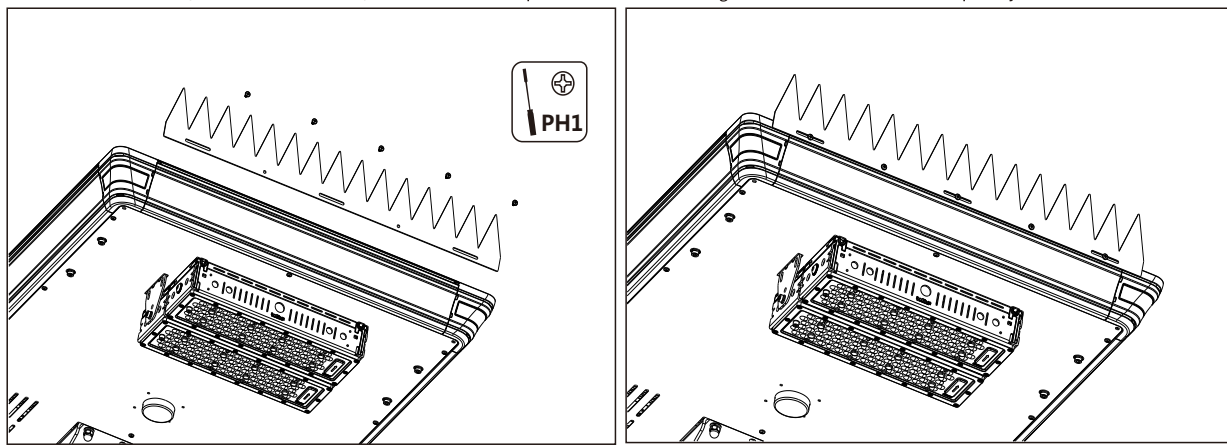
1. Unscrew the light source fixing screw with 4# inner Hex screwdriver
2. Rotate the light source angle
3. Screw tightening and reset.



② Bird proof flake installation instructions

Note: Please select the Bird proof flake installation position according to the higher end of the lamp cap and tail when the lamp body is installed.

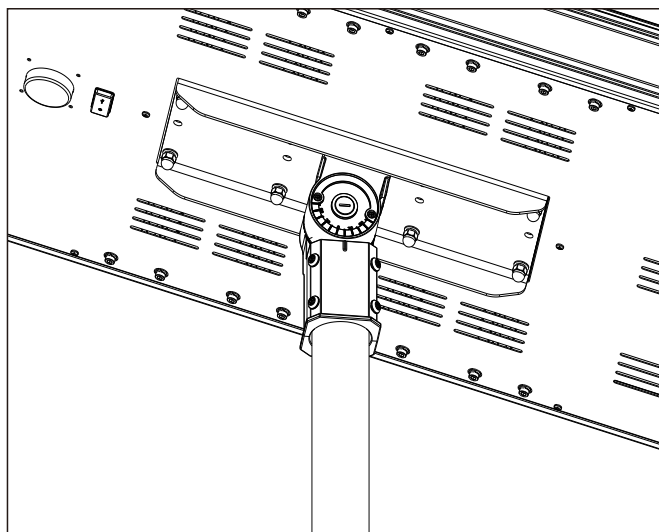
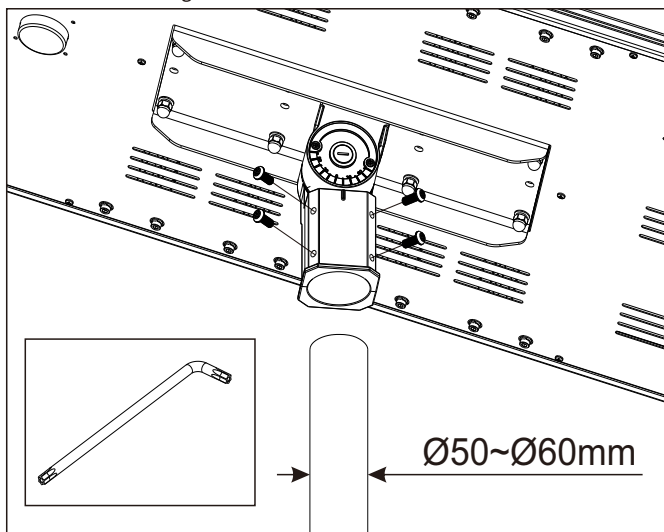
1. Remove Bird proof flake and screws from the accessory kit
2. Keep the sawtooth side up
3. Fix the Bird proof flake in the metal groove on the head of the lamp body with screws.



③

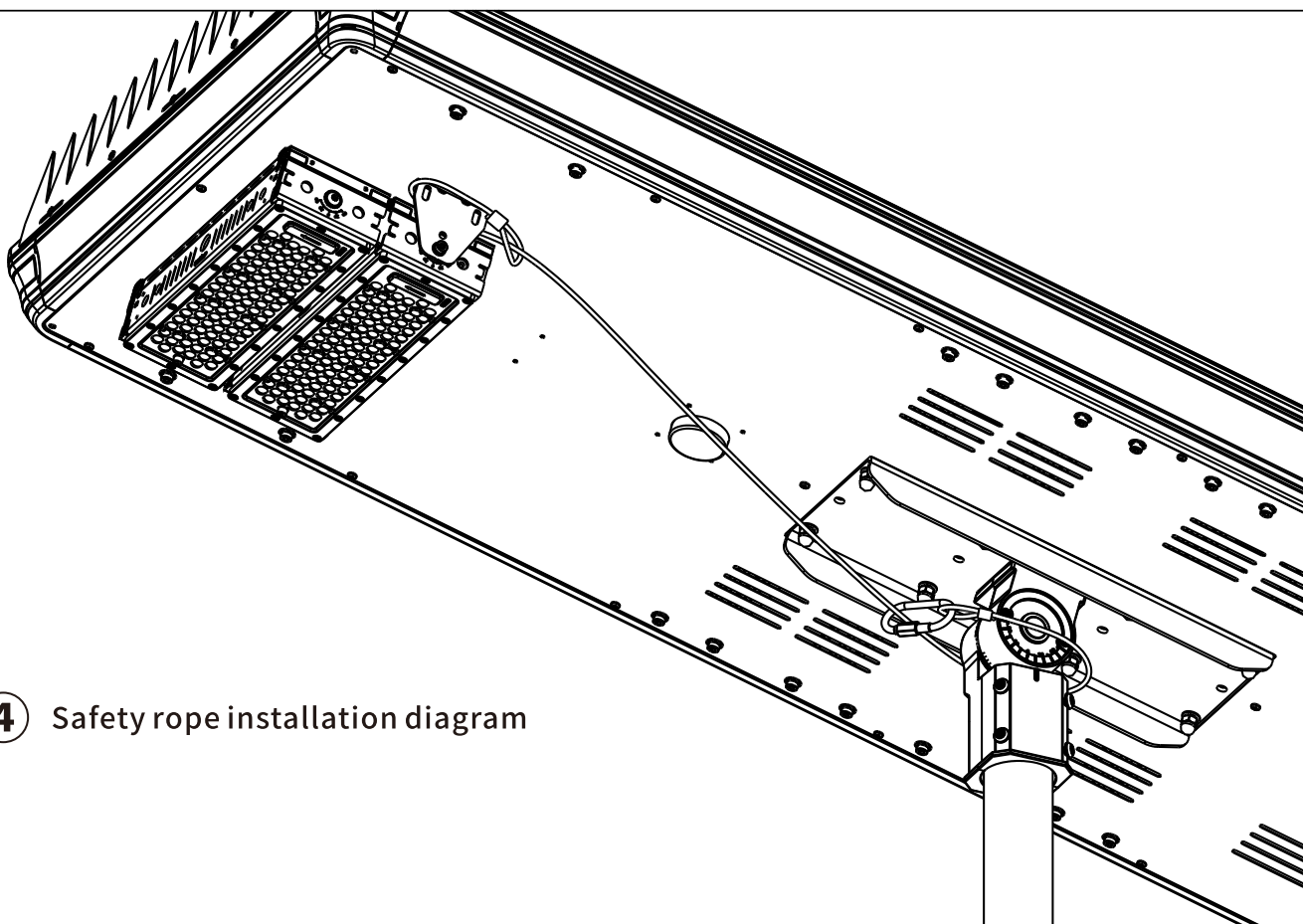
Lamp body installation instructions

- 1.Remove the special wrench for anti-theft screw from the accessory kit
- 2.Put the lamp arm into the lamp pole
- 3.Tighten the anti-theft screw with a wrench



④

Safety rope installation diagram



Manner of packing

1. Packing materials:

1585*775*245mm 1 carton (K=K);

765*200*227mm 1 EPE-A (ordinary EPE);

765*200*227mm 1 EPE-B (ordinary EPE);

765*160*227mm 1 EPE-C (ordinary EPE);

