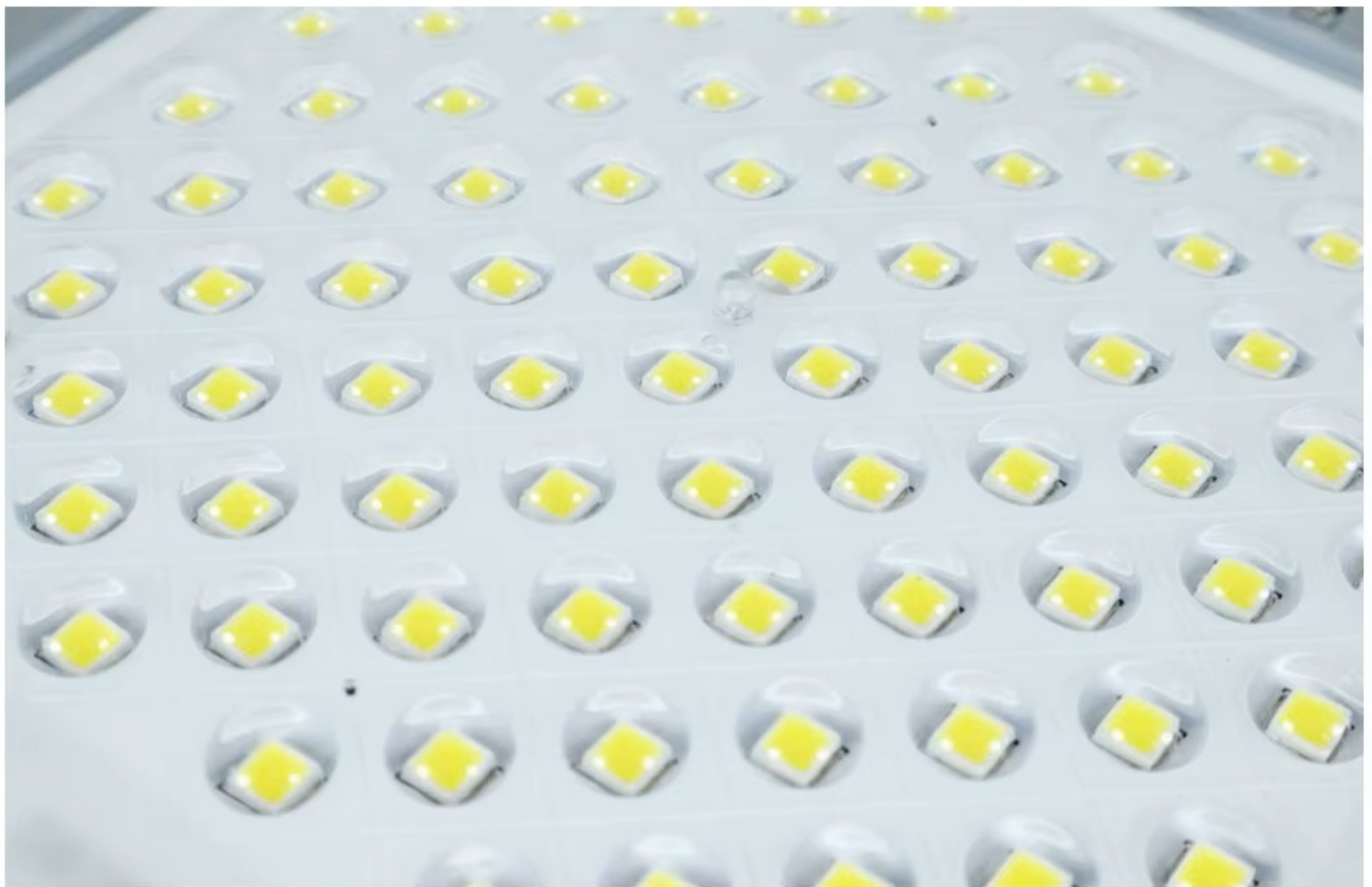


# PRODUCT ADVANTAGE

## 1. High lumen: brightness increased by 30%

This product adopts LED optical lens design, the lens can effectively gather the light of the light source to improve the brightness and reduce the light loss. The light efficiency of the traditional reflective cup is increased by more than 20%. At the same time, the lens of this product is made of PC (Teijin Brand from Japan) material, and the transmittance after processing is as high as 91%, It is much higher than 80% of the glass transmittance; the whole lighting efficiency is increased by 30%, and the irradiation area is increased by more than 25%.

As for LED Chip, it's equipped with big size SMD5054, efficiency up to 160lm/W.



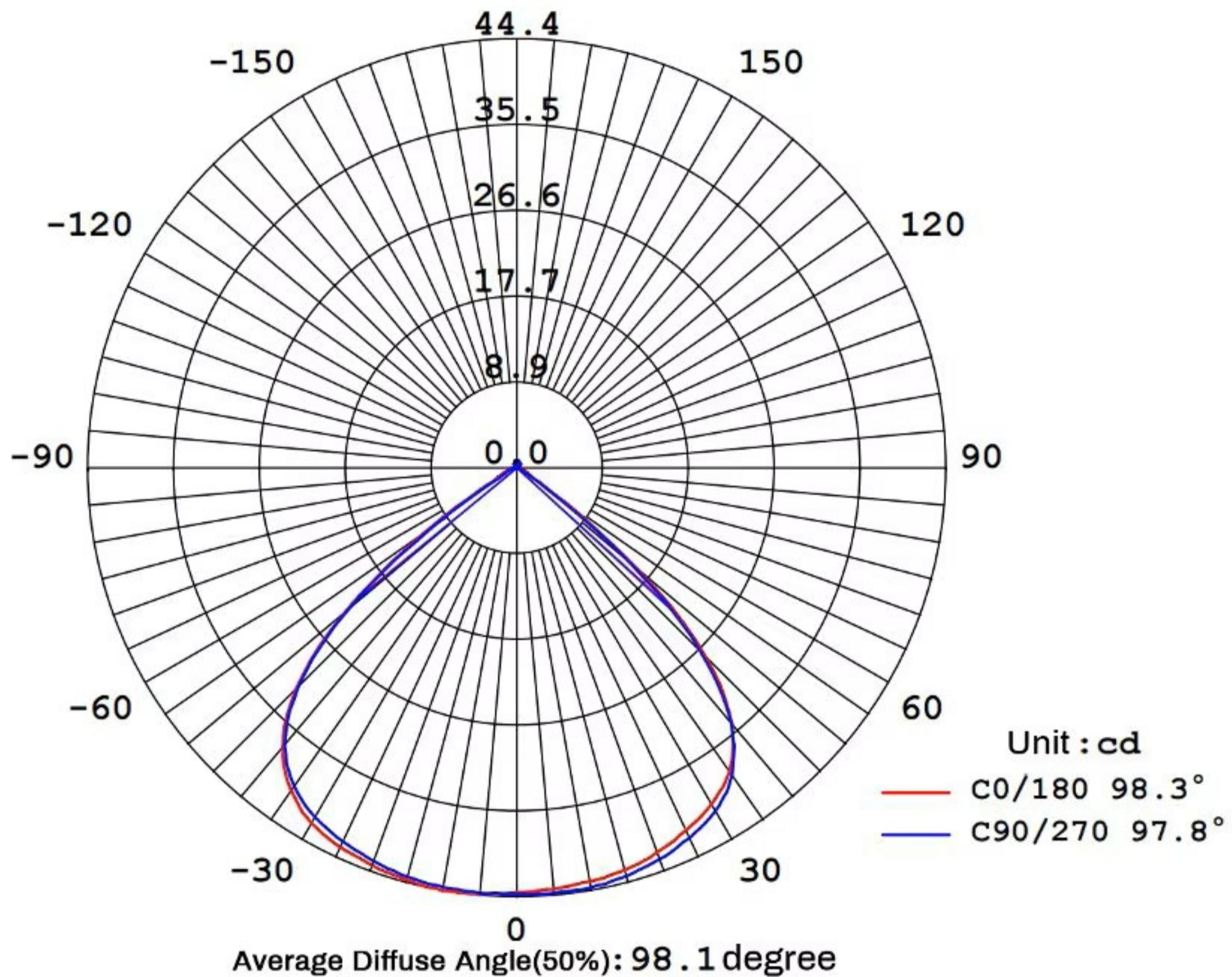
### Note:

The lens of this product can be used normally in the high temperature range of 125°C and the low temperature of - 40°C.

The lens will not yellowing and brittle within 5 years. The material has approved many international certification.

## 2. Wide Beaming Angle: Illumination Area Increased By 20%

This product is equipped with 100 degree PC lens, compared with traditional 85 degree lens in the market, the illumination area increased by 20%, what's more, the lighting effect is very uniform, without yellow border on the edge.



## 3. Brand New Battery with 2000 times cycle life

We use brand new A grade LiFePO4 32140, with 2000 times cycle life, after 2000 times cycle, still remain 80% capacity, one piece equals to 3 pcs LiFePO4 32650. What's more with very small internal resistance with  $2\Omega$ , with faster and larger current transmission speed, less heat generation and lower consumption, faster charging speed and longer discharge time, can drive the lamp for more than 10 years.



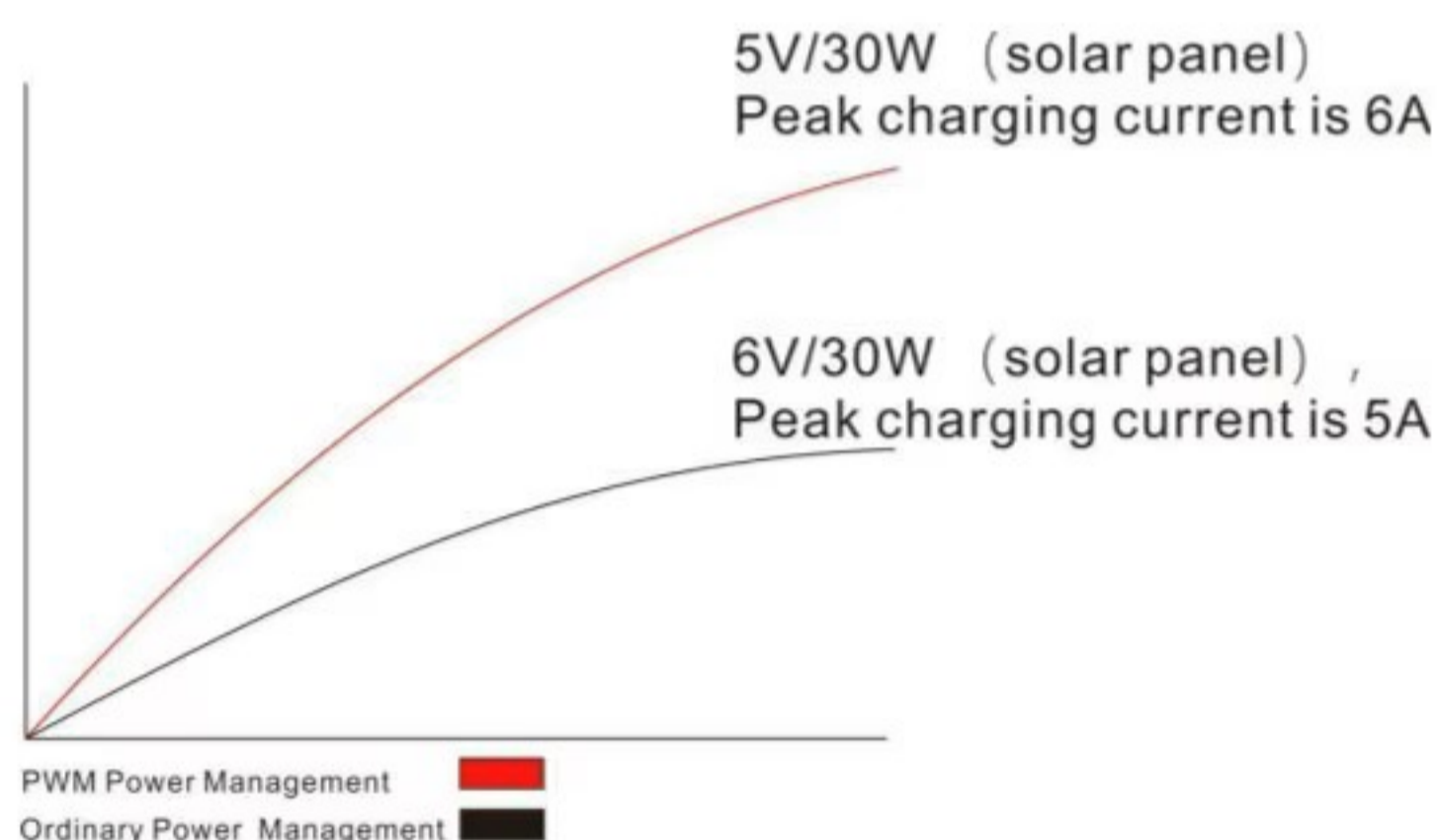
## 4. Elegant Design with XT60 Plug

The lamp body is designed with cable less, no cable out from the lamp, makes it more elegant, XT60 plug from the solar panel directly plug into the lamp, tight connection and better waterproof connection. What's more, 30% larger in cable decrease 90% power loss, cause fast charging.



## 5. High-efficiency fast charging solution, charging efficiency improved by 20%

The solar controller simulates the MPPT charging scheme, a unique charging and discharging management system with more efficient charging and discharging efficiency. For example, the market routinely uses 6V/30W photovoltaic panels with a peak charging current of 5A; but our product uses 5V/30W photovoltaic panels with a peak charging current of 6A. The charging efficiency is improved by 20%.



## 6. Multiple Functional Mode

Our product has three brightness mode: radar mode for all night, constant lighting mode for all night, and switch to radar mode after constant light mode.

## 7. Smart power management system, extra-long battery lifespan

We are committed to meet the needs of customers "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

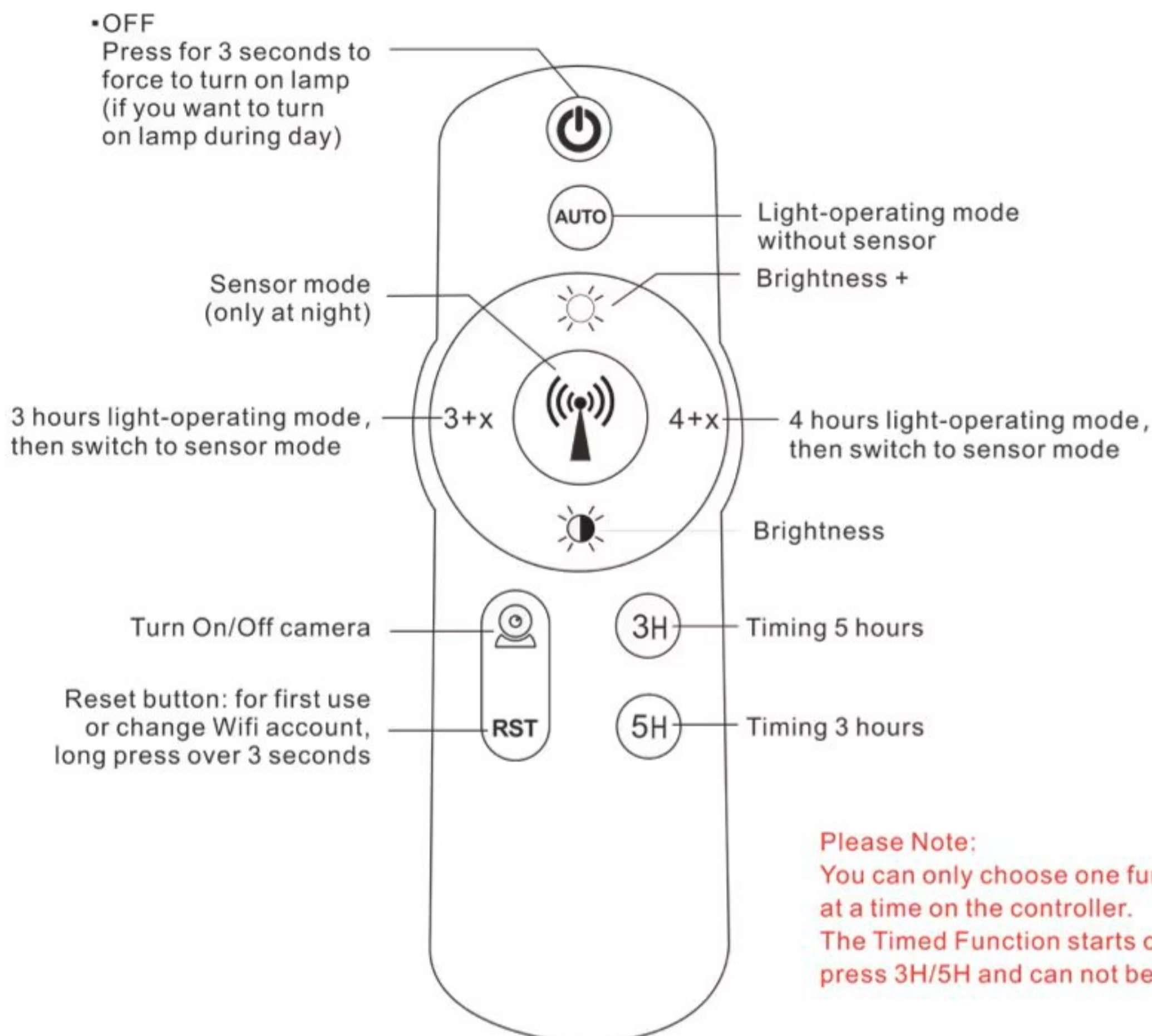
# LIGHTING MODE

Power reduction In different modes	Brightness Against Time				
	0-0.5H	0.5-2H	2H-4H	4H-5H	5H to morning
Auto mode	100-80%	80-60%	60-50%	50-40%	40-30%
Sensor mode	Working by radar sensor, 10% brightness standby, during detection 100% brightness, last for 10s				

## INSTRUCTIONS OF REMOTE CONTROLLER

Light control mode: connect lamp and solar panel, press the [AUTO] button, then the light will turn on automatically when darkness falls, and turn off during the day. (setting with memory, only need to set up once)

Other mode on the remote controller: functions as below:



# PACKAGE



Color Box



Carton

## Packing List

Model	Color box size (CM)	Carton Size (CM)	Pcs/ctn	N.W (KG)	G.W (KG)
MJ-BW60	36.5x8.7x25.5	90x37.5x27	10	17.7	19.3
MJ-BW100/C	41x8.9x25.5	74x42.5x27	8	16.92	17.63
MJ-BW200/C	44x8.9x36.7	64.5x45.5x38	7	21.51	22.21
MJ-BW300/C	49.5x10x42.2	63x50.5x44	6	25.36	26.06
MJ-BW500/C	54.5x10x42.2	55.5x53x44	5	25.15	25.9
MJ-BW800/C	61x10x42.2	62x32.5x43	3	17.54	18.24
MJ-BW1200/C	69x10x47	70x22x48.5	2	13.98	14.68
MJ-BW1500	67x58x23	72x12.5x63	1	7.3	8.3

# PHOTOS FROM DIFFERENT ANGLE



# APPLICATION



## Application Area

Residence

Farm

Park

Garden

Stadium

Lodge

Orchard

Parking Lot

Playground

Court

