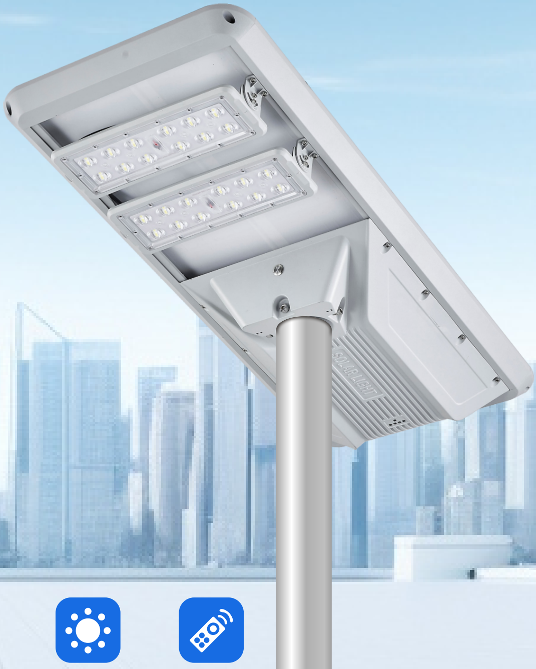
NEW DESIGN

ZL-MZ80 Series

Integrated Solar Street Light



High Cost Performance

High Quality

High Brightness

Remote Control

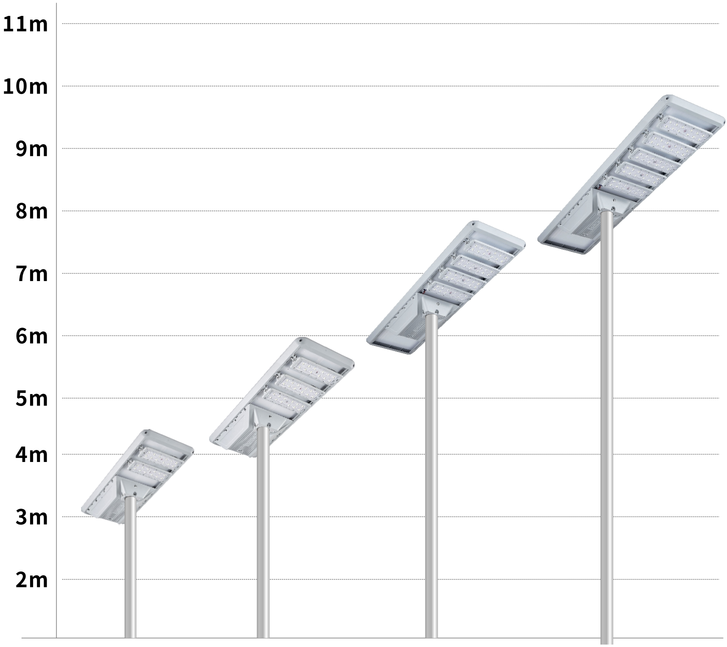
Human Body Induction

Adjustable Bracket

5 Cloudy/ Rainy Days

Ip65 Waterproof

1、Recommended installation height



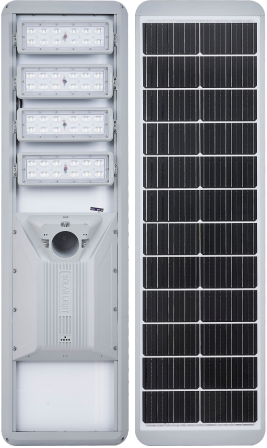
2、Product Parameters

SOLAR LIGHT

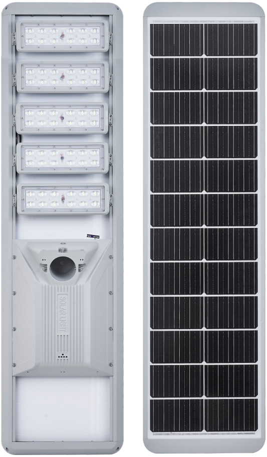
Model:	ZLMZ80-200W
Control Mode:	Light Control+ Remote Control
Solar Panel:	6V/65W
Battery:	LiFe PO4- 72AH
Led Chip:	48PCS SMD 5054
Material:	Aluminum Profile + Die-casting Aluminum + Optical Lens
Waterproof:	IP 65
Charging Time:	4-6h
Lumen:	4112lm
Color Temperature:	3000K-7500k
Lamp Size:	970*415*130mm
Installation Height:	3-4M
Irradiation Area:	400m^2

SOLAR LIGHT

Model:	ZLMZ80-300W
Control Mode:	Light Control+ Remote Control
Solar Panel:	6V/85W
Battery:	LiFe PO4- 96AH
Led Chip:	72PCS SMD 5054
Material:	Aluminum Profile + Die-casting Aluminum + Optical Lens
Waterproof:	IP 65
Charging Time:	4-6h
Lumen:	5310lm
Color Temperature:	3000K-7500k
Lamp Size:	1200*415*130mm
Installation Height:	5-6M
Irradiation Area:	500m^2

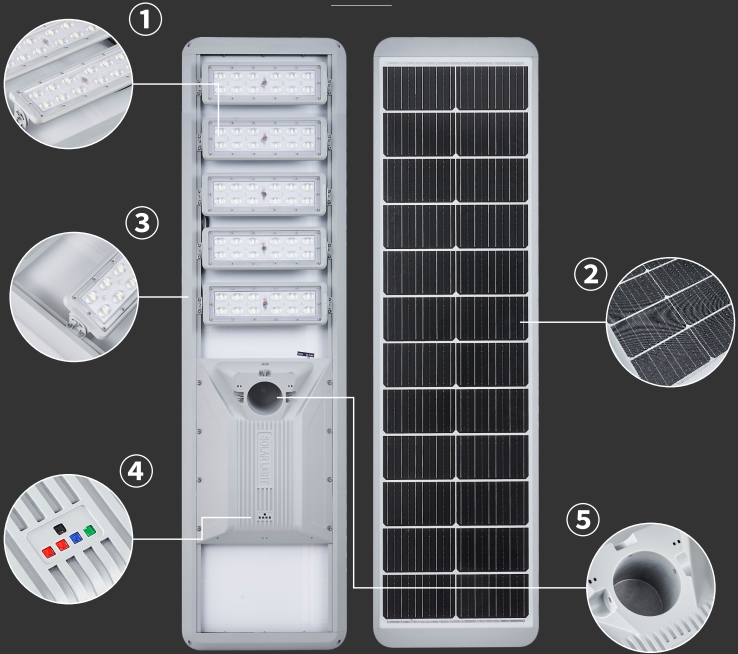


Model: ZLMZ80-400W
Control Mode: Light Control+ Remote Control
Solar Panel: 6V/100W
Battery: LiFe PO4- 120AH
Led Chip: 96PCS SMD 5054
Material: Aluminum Profile + Die-casting Aluminum + Optical Lens
Waterproof: IP 65
Charging Time: 4-6h
Lumen: 6473lm
Color Temperature: 3000K-7500k
Lamp Size: 1450*415*130mm
Installation Height: 6-8M
Irradiation Area: 600m²



Model: ZLMZ80-500W
Control Mode: Light Control+ Remote Control
Solar Panel: 6V/120W
Battery: LiFe PO4- 144AH
Led Chip: 120PCS SMD 5054
Material: Aluminum Profile + Die-casting Aluminum + Optical Lens
Waterproof: IP 65
Charging Time: 4-6h
Lumen: 8310lm
Color Temperature: 3000K-7500k
Lamp Size: 1720*415*130mm
Installation Height: 8-10M
Irradiation Area: 700m²

3、Exploded View



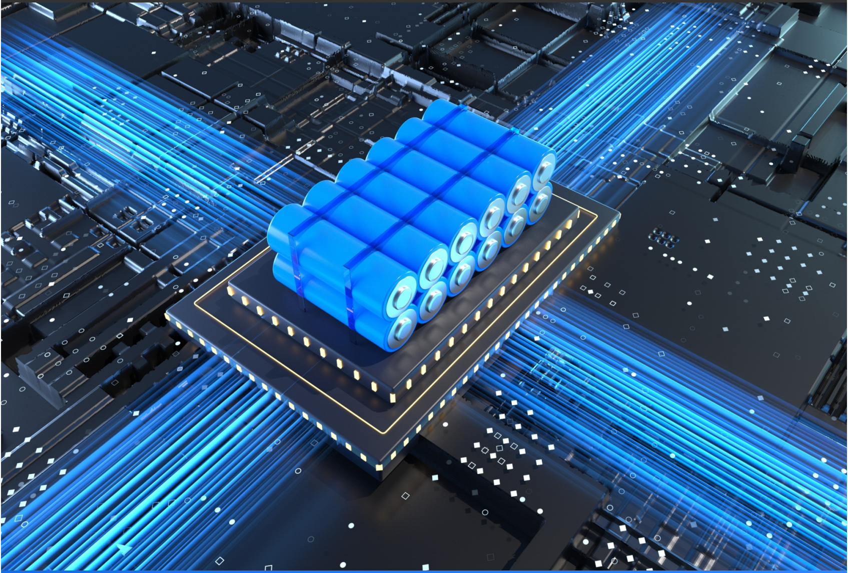
① LED light board + optical lens

② Mono solar panel

③ Aluminum Profile + Die-casting Aluminum + Optical Lens

④ Battery capacity indicators

⑤ Bracket



Space energy storage box All-A grade lithium iron phosphate battery

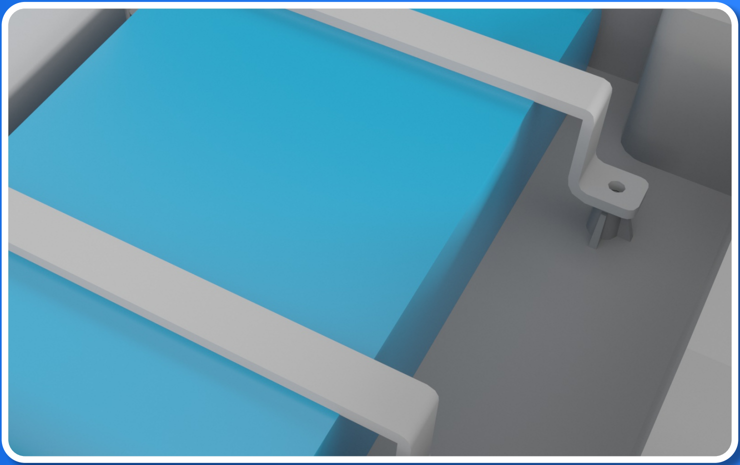
High conversion

Recharge

Long life

SOLAR LIGHT

The battery part is equipped with an independent battery protection compartment to prevent rainwater from seeping into the interior and damaging the battery.



Adding independent battery buckles to reinforce the battery installation and prevent the battery from falling off.

5054 HIGH LIGHT EFFICIENCY LAMP BEADS

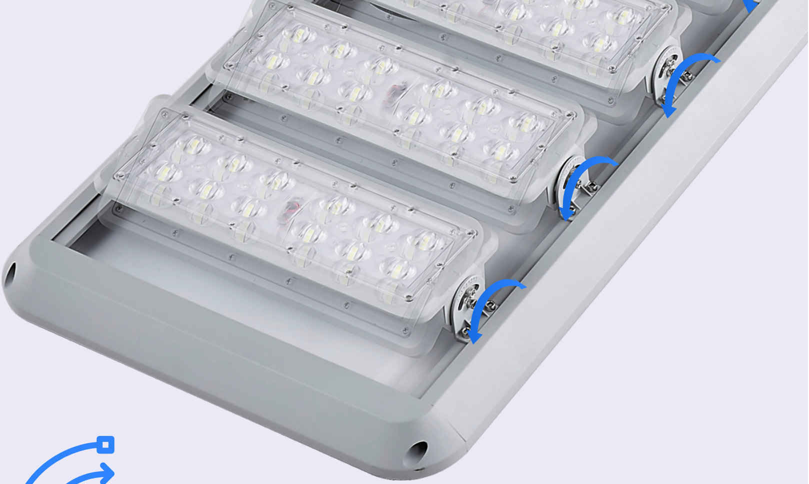
High Light Efficiency

Low Light Decay

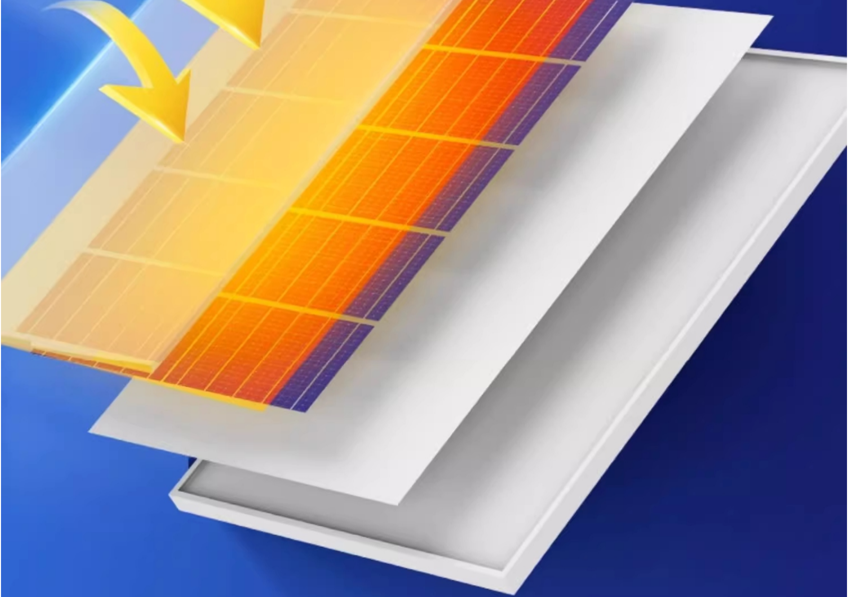
Good Heat Dissipation Performance

Long Life

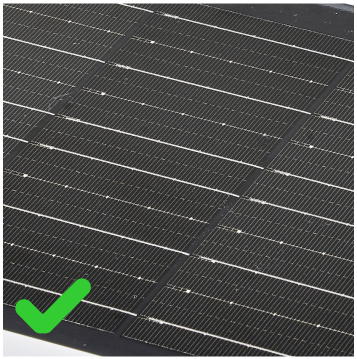
The led source adopts separate waterproof design to further prevent rainwater from seeping in and extend the service life of the lamp.



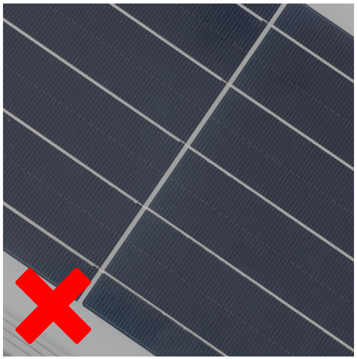
Each lamp bead module can adjust its direction independently to meet the needs of various venues.



High-efficiency monocrystalline silicon solar panels



Using monocrystalline silicon solar



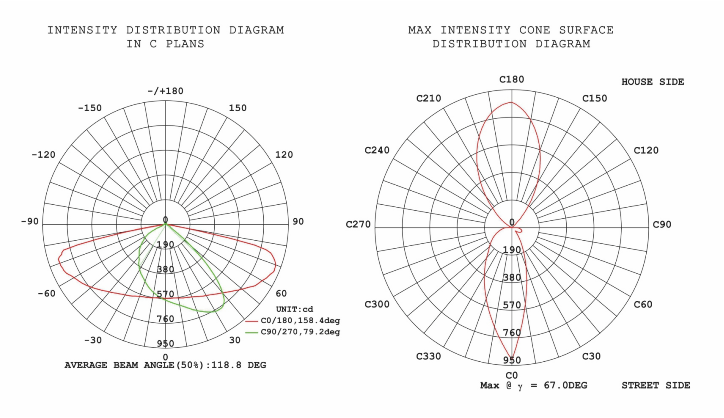
Most products on the market use

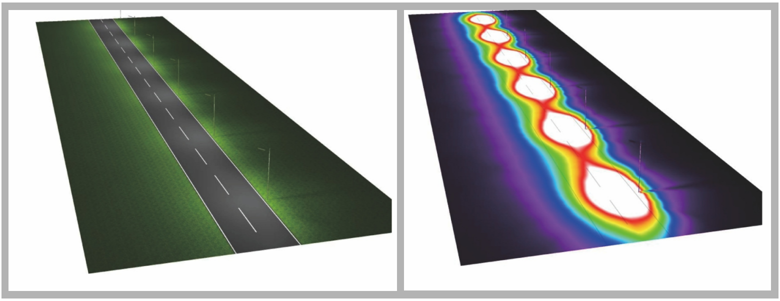
panels, the conversion efficiency is higher, the life is longer, and the attenuation rate is lower

polycrystalline silicon solar panels, which have a lower conversion rate, a shorter life, and an annual attenuation rate of 15-30%

4、Light Distribution Curve

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM





Large luminous angle,30% increased in irradiation area

Through professional optical design, this product is equipped with an optical lens of 150*70, and the luminous angle is at the same installation height,30%larger than the traditional 120 degree irradiation area.

The Controller of MZ80 series adopts extremely simplified design, integrated controller, microwave induction, the maintenance is simple, and the stability is higher.

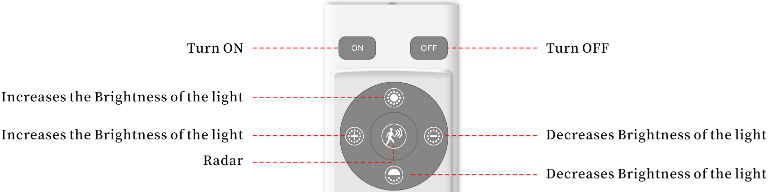
1.Battery Power indicators

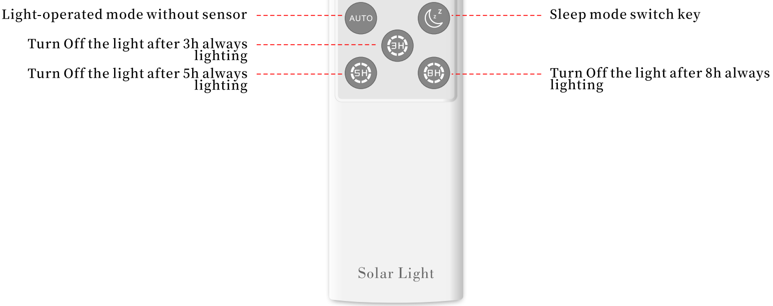
The 4 indicator lights display the battery capacity, and 1 indicator led represents 20% power
1 indicator on:25% power Red Light
2 indicators on:25%-50% power Red Light
3 indicators on:50%-75% power Blue Light
4indicators on:75%-100% power Green light

2. lighting Mode

Model-0n Time						
Power reductionin differen tmodes	0.5H	1H	2H	1.5H	2H	6H
Sensor mode	100%	80%	70%	60%	50%	30%
AUTO mode	100%	80%	60%	50%	40%	25%

5、instructions of Remote Controller


Turn ON
ON
OFF
Turn OFF
Increases the Brightness of the light
Increases the Brightness of the light
Decreases Brightness of the light
Radar
Decreases Brightness of the light


Light-operated mode without sensor
Turn Off the light after 3h always lighting
Turn Off the light after 5h always lighting
AUTO
3H
5H
8H
Sleep mode switch key
Turn Off the light after 8h always lighting
Solar Light

Mode 1	Bright from dusk to dawn, no sensor functionality	AUTO
Mode 2	With sensor function , it is 100% bright when people comes and 30% when people leaves. bright from dusk to dawn	Radar
Mode 3	No sensor functionality Turn off the light after 3/5/8 hours.	Radar+3/5/8
Mode 4	With sensor function , it is 100% bright when people come and 30%when people leave. bright from dusk to dawn.Turn off the light after 3/5/8 hours.	Radar+3/5/8

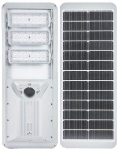
Tips:

1.Pressing the key "AUTO" the light will automatically turn on in the dark and turn off to charge in the day.
2.Please never connect AC110V/220V AC to this unit as it will damage the lamp and very likely cause personal injury or electric shock.
3.Please ensure the installation is affixed firmly to solid/permanent fixture so as to avoid its falling & causing injury.
4.Disassembling the lamp, panel or any parts will cancel the warranty immediately
5.Please regularly clean dust, debris and bird droppings from the solar panel to maintain the panel's output and provide maximum efficiency for battery charging .

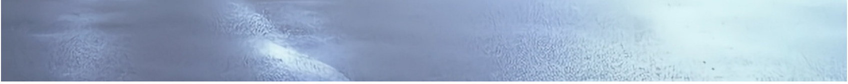
Packing List

Model	Carton Size	Pcs/ctn	G.W(kg)
ZLMZ80-200	101*46*16.5cm	1	10.5
ZLMZ80-300	124*46*16.5cm	1	12.7
ZLMZ80-400	149*46*16.5cm	1	15.1
ZLMZ80-500	176*46*16.5cm	1	17.7

6、Real shots from multiple angles



SOLAR LIGHT

小红书