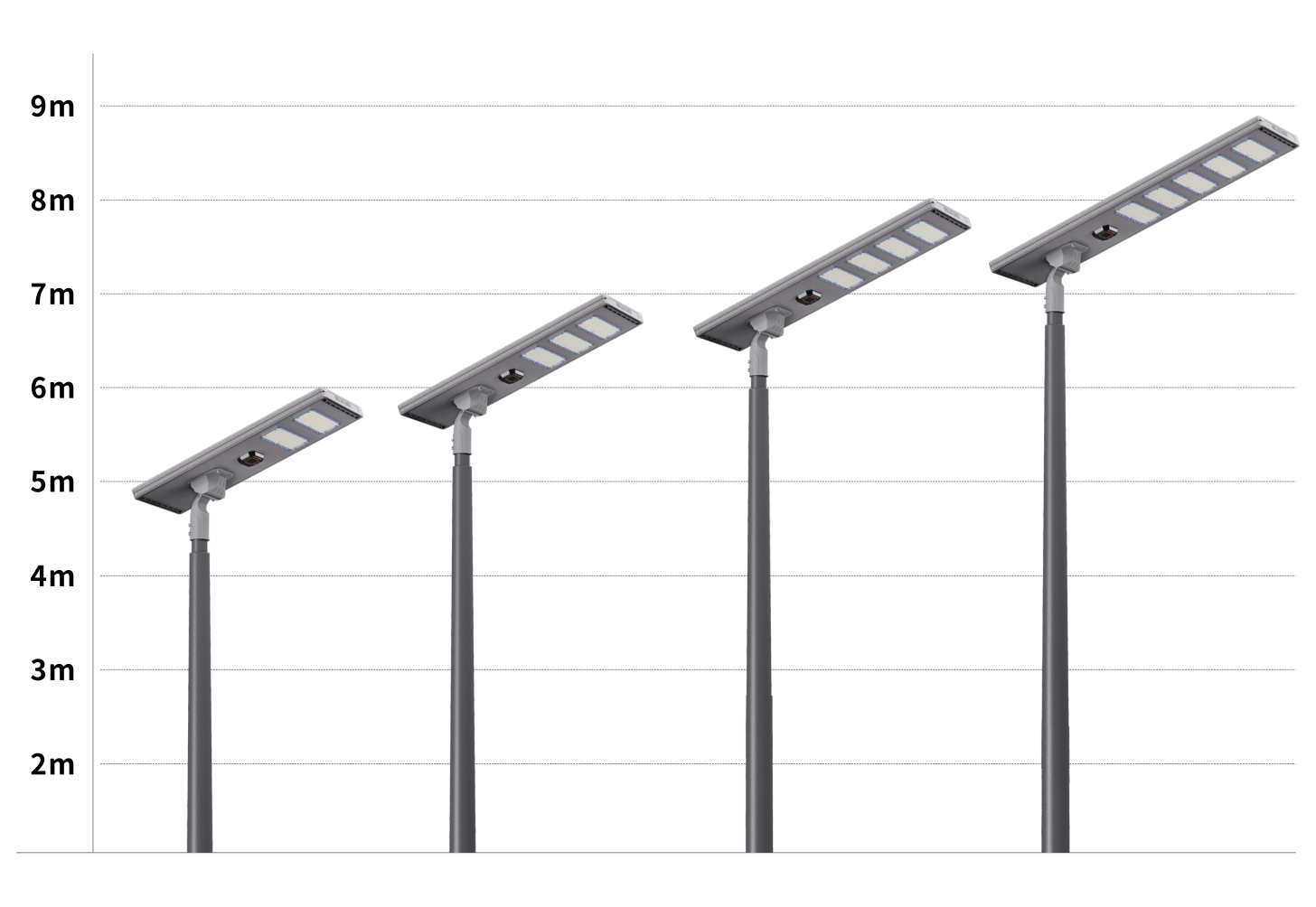
NEW DESIGN
TY-78 Series
Integrated Solar Street Light
With Adjustable Bracket
High Cost Performance
High Quality
High Brightness
Remote Control
Human Body Induction
Adjustable Bracket
5-7 Cloudy/ Rainy Days
IP65 Waterproof

1、Recommended installation height

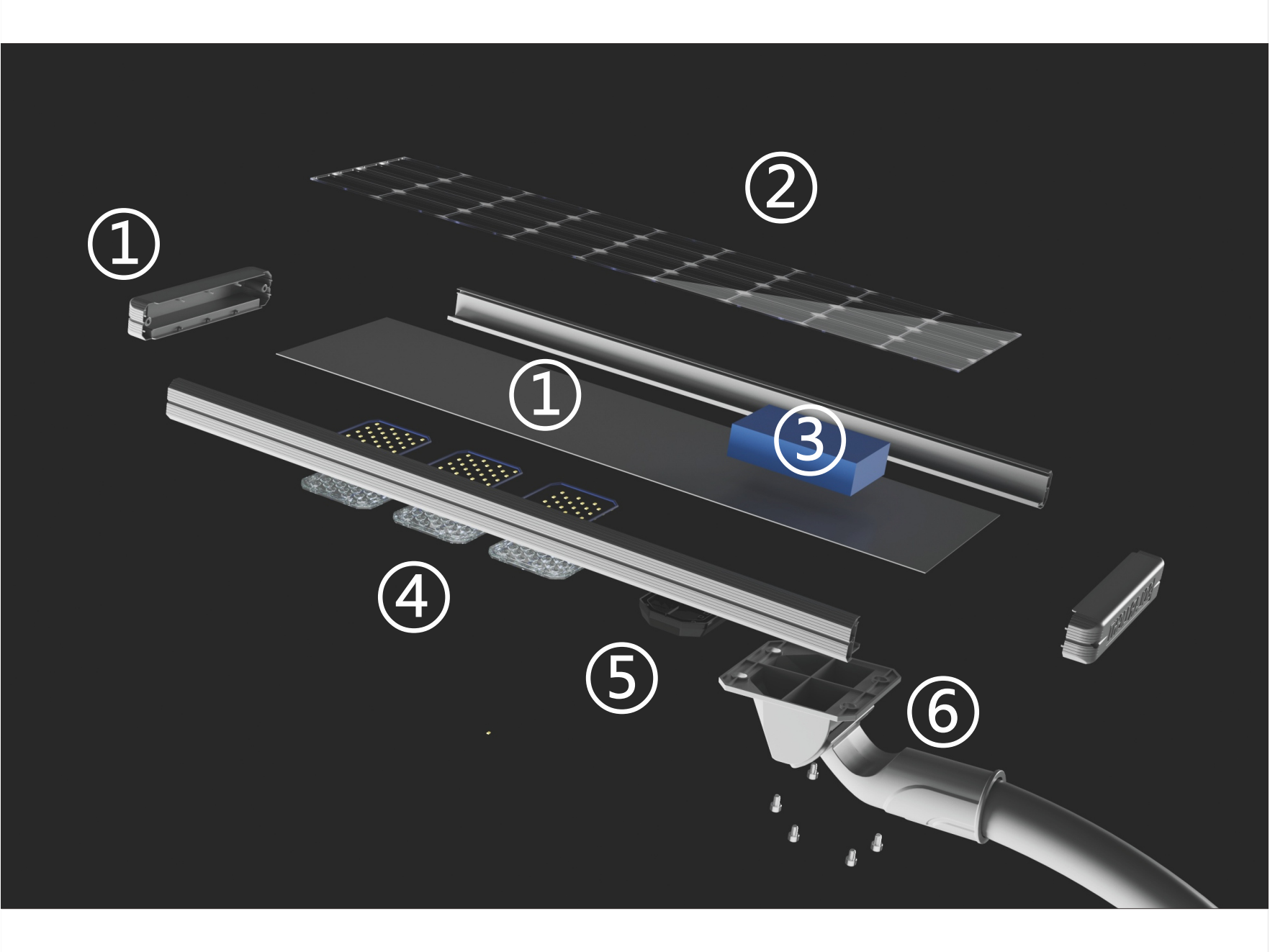


2、product specifications

3、product parameters

Model	ZL78-100	ZL78-150	ZL78-200	ZL78-300
Lamp Body Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Lens Material	Teijin PC	Teijin PC	Teijin PC	Teijin PC
Lamp Size	750*237*82mm	900*237*82mm	1000*237*82mm	1150*237*82mm
LED Chip	90PCS SMD5054	135PCS SMD5054	180PCS SMD5054	225PCS SMD5054
Battery	LiFePO4 24000mAh	LiFePO4 30000mAh	LiFePO4 36000mAh	LiFePO4 42000mAh
Solar panel	5v25W 690*211mm	5v33W 840*211mm	5v38W 940*211mm	5v48W 1090*211mm
CCT	6500K-7500K	6500K-7500K	6500K-7500K	6500K-7500K
Charging Time	Effectivesunshine 4-6H	Effectivesunshine 4-6H	Effectivesunshine 4-6H	Effectivesunshine 4-6H
Discharge Time	2-3 rainy &cloudy days	2-3 rainy &cloudy days	2-3 rainy &cloudy days	2-3 rainy &cloudy days
Discharge Current	5.1A	6.4A	7.6A	8.8A
Radar Sensor	yes	yes	yes	yes
IP Rank	IP65	IP65	IP65	IP65
Luminous Flux	2826LM	3165LM	3844LM	4293LM

4、Exploded View



① Lamp shell

② Solar panel

③ Battery pack and battery box

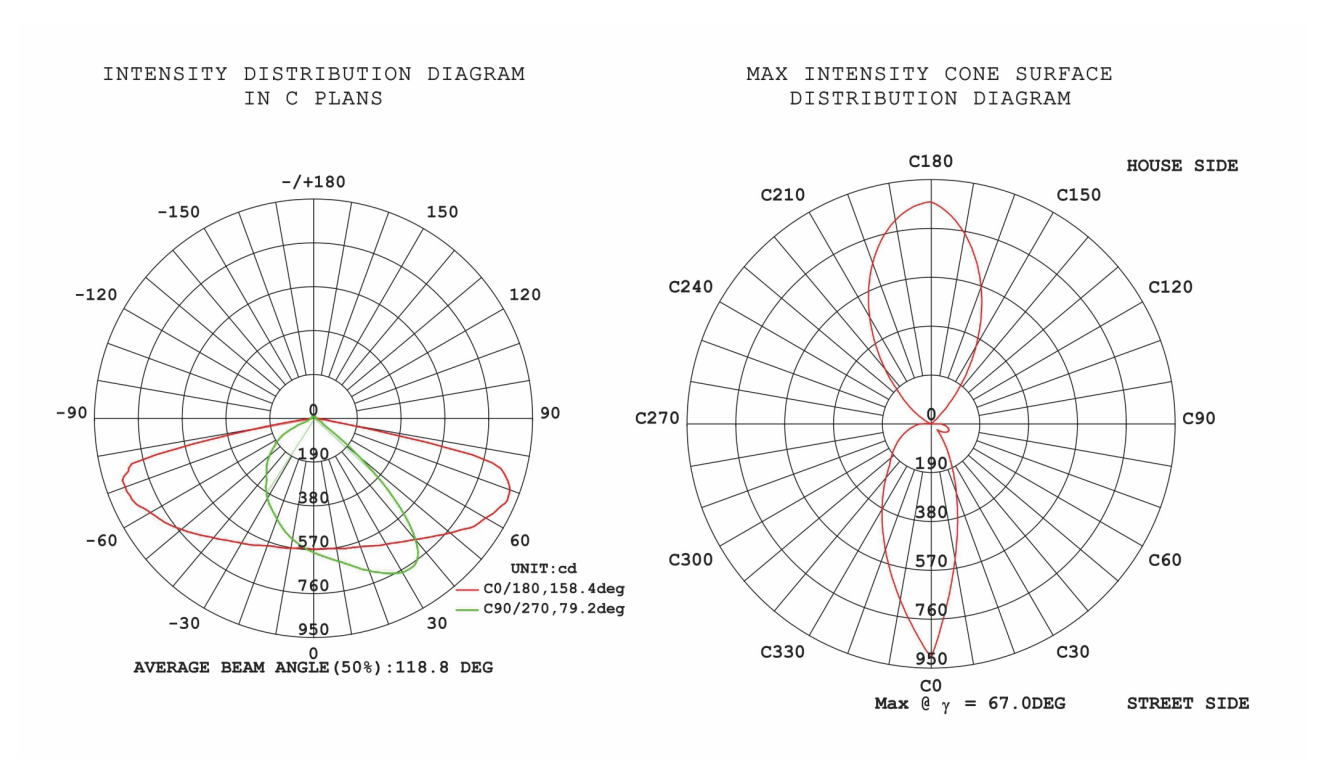
④ LED light board + optical lens

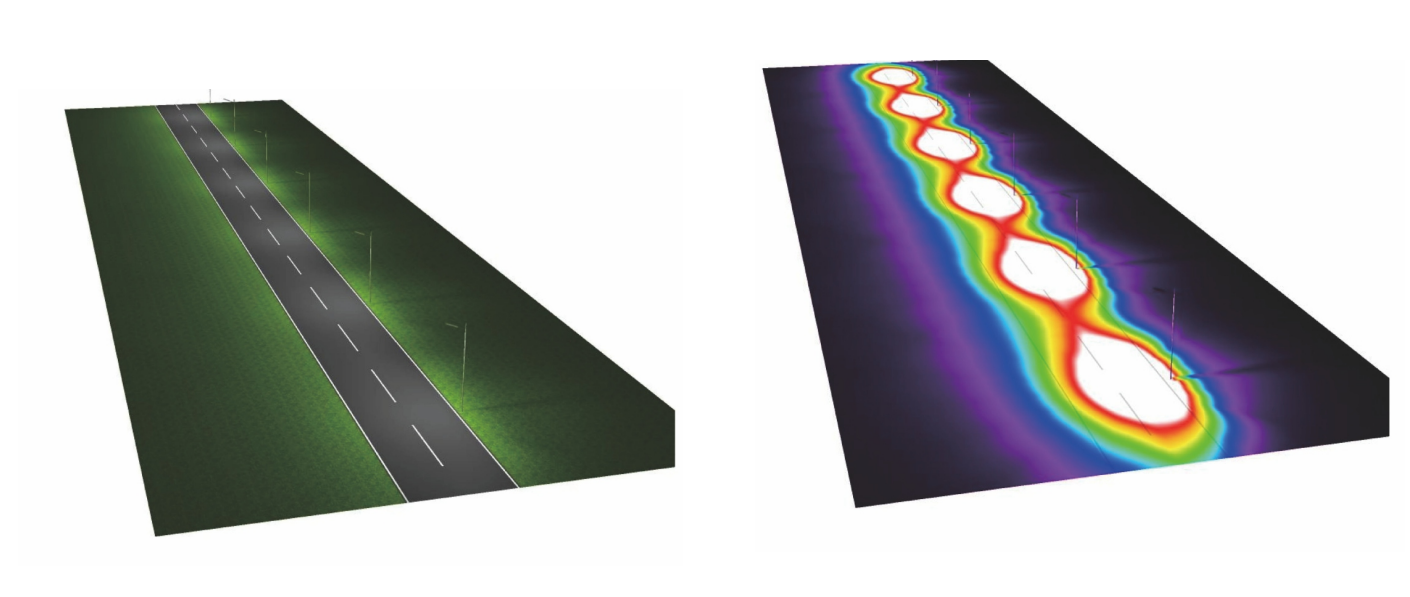
⑤ Controller

⑥ Adjustable angle bracket

5、Light Distribution Curve

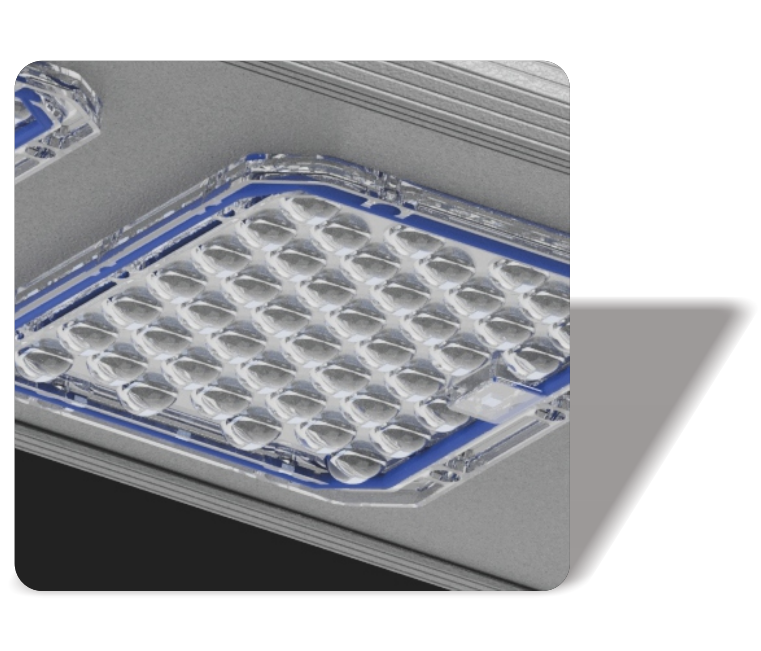
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM





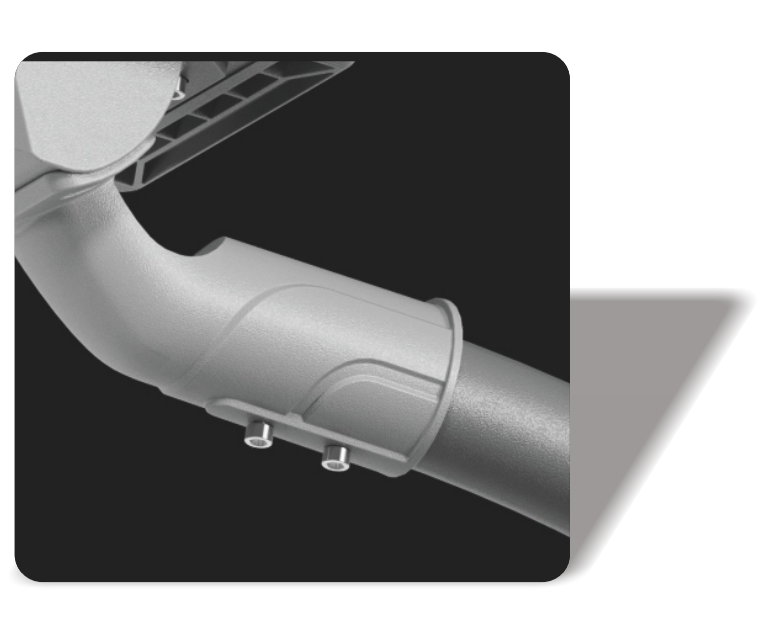
Large luminous angle, 30% increase in irradiation area
Through professional optical design, this product is equipped with an opticallens of 150 * 70, and the luminous angle is at the same installation height,30%larger than the traditional 120 degree irradiation area.

6、More Details

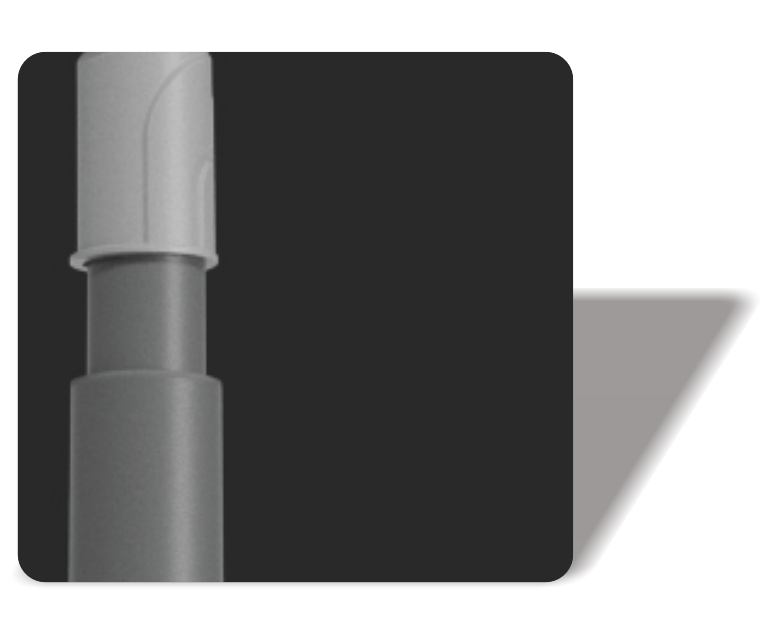


220LM/W High efficiency LED

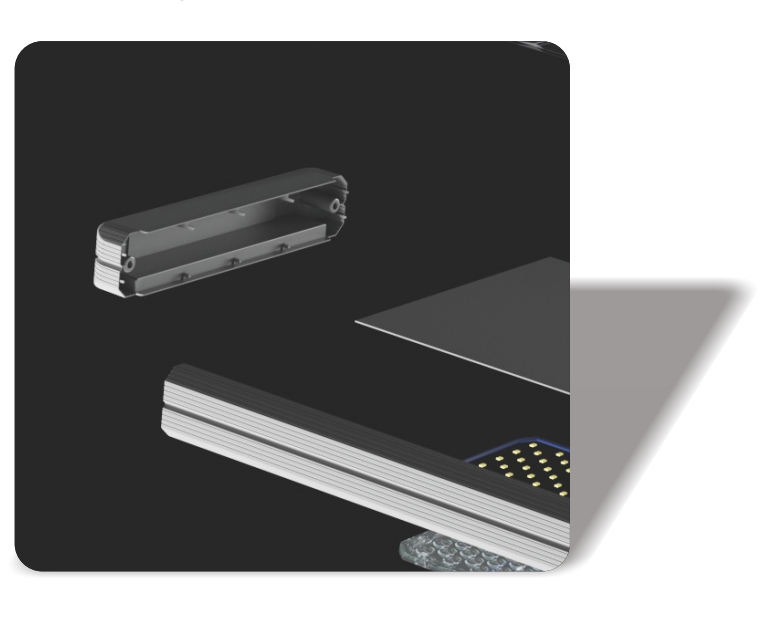
Controller+sensor+ charging indicator light



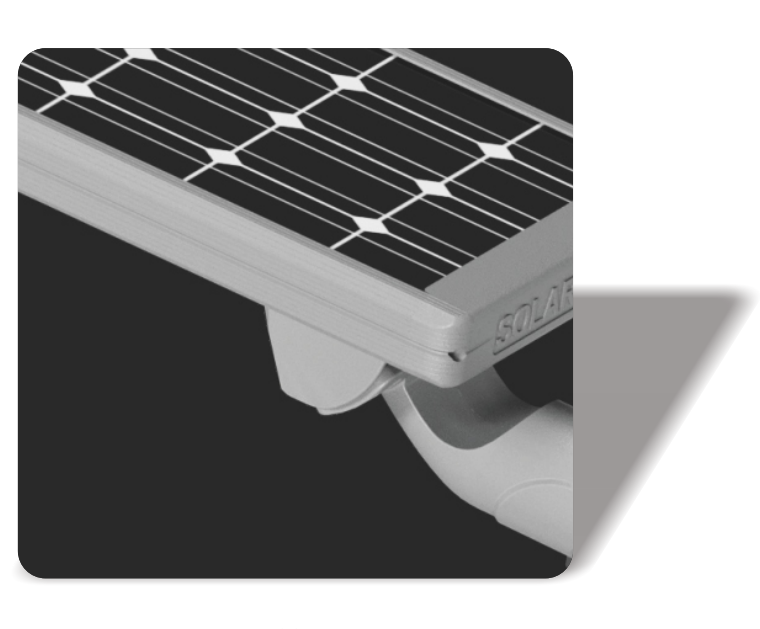
90°-180° angle
Adjustable stand



0°-90° angle
Adjustable stand

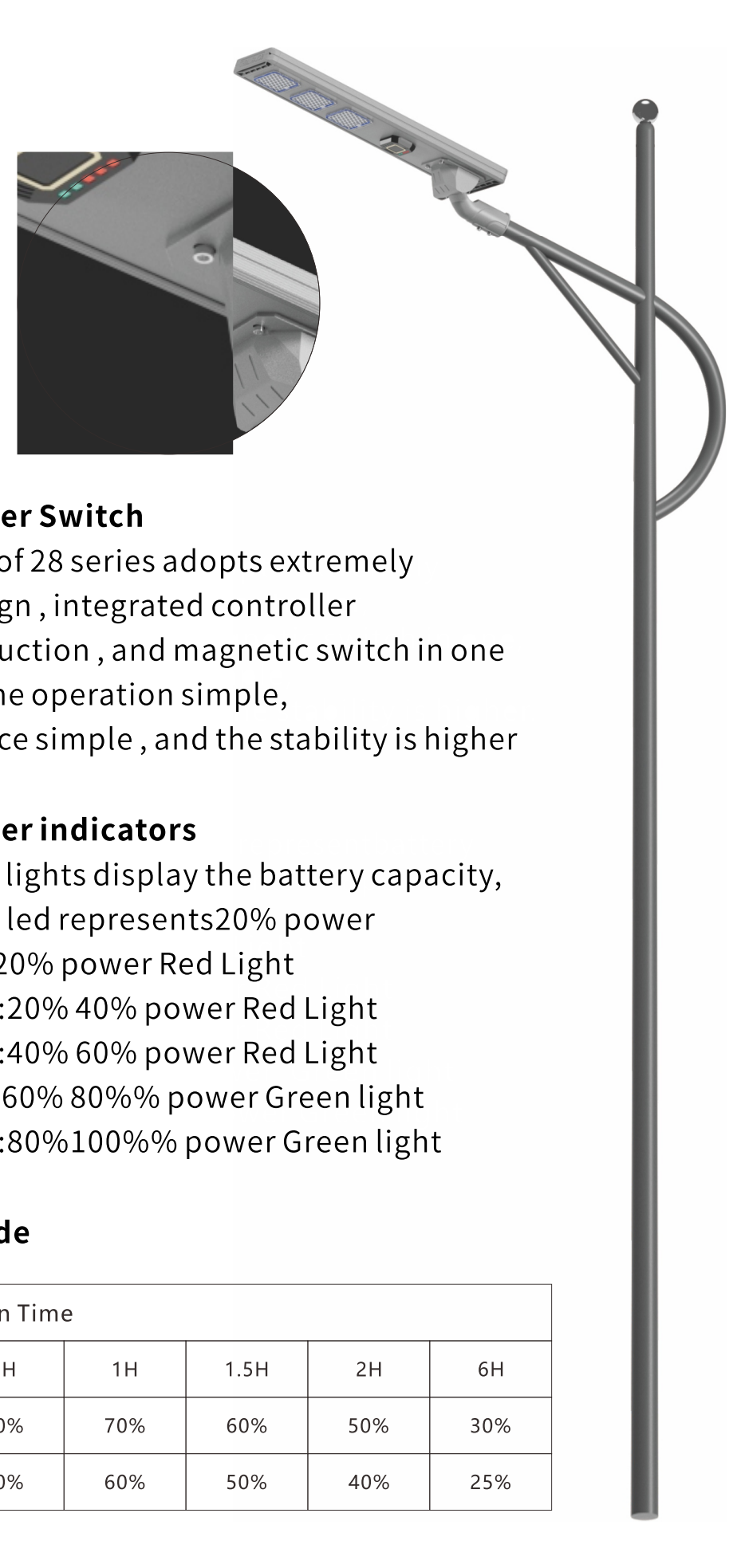


High strength
aluminum alloy frame



High-efficiency
mono solar cells:>22%

The Controller of 78 series adopts extremely simplified design, integratedcontroller, microwave induction, and magnetic switch in one, which makes theoperation simple, the maintenance simple, and the stability is higher.



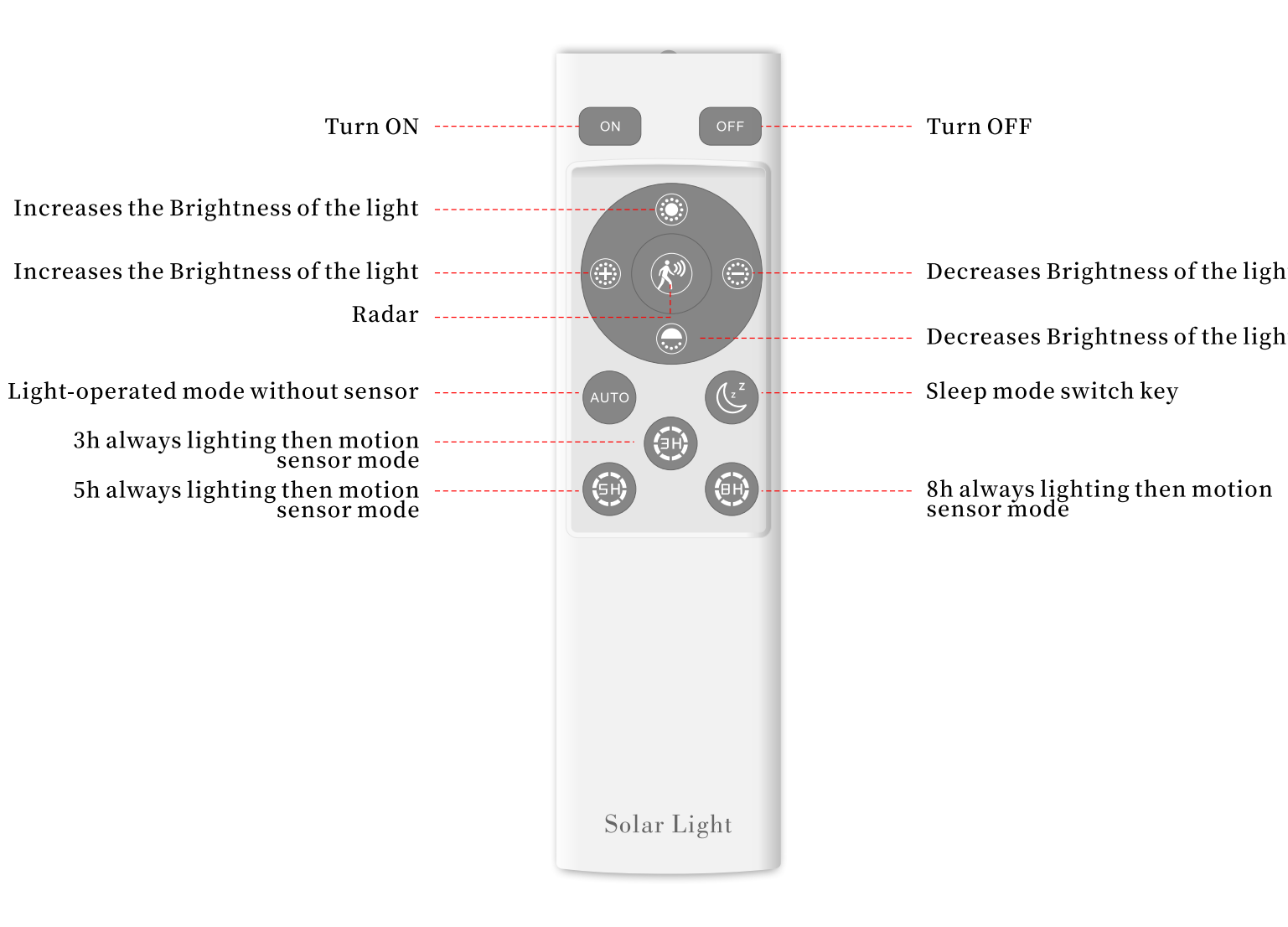
1.Magnet Power Switch
The controller of 28 series adopts extremely simplified design , integrated controller microwave induction , and magnetic switch in one which makes the operation simple,
the maintenance simple , and the stability is higher

2.Battery Power indicators
The 5 indicator lights display the battery capacity, and 1 indicator led represents20% power
1 indicator on:20% power Red Light
2 indicators on:20% 40% power Red Light
3 indicators on:40% 60% power Red Light
4indicators on:60% 80%% power Green light
5 indicators on:80%100%% power Green light

3. lighting Mode

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

7、Instructions of Remote Controller


Turn ON
Increases the Brightness of the light
Increases the Brightness of the light
Radar
Light-operated mode without sensor
3h always lighting then motion sensor mode
5h always lighting then motion sensor mode
ON
OFF
AUTO
3H
5H
8H
Solar Light
Turn OFF
Decreases Brightness of the light
Decreases Brightness of the light
Sleep mode switch key
8h always lighting then motion sensor mode

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

Tips:
1.Pressing the key "AUTO" the light will automatically turn on in the dark and turn off to charge inthe day.
2.Please never connect AC110V/220V AC to this unit as it will damage the lamp and very likelycause personal injury or electric shock. 3.Please ensure the installation is affixed firmly to solid/permanent fixture so as to avoid it falling & causing injury.
4.Disassembling the lamp,panel or any of its parts will avoid the warranty immediately5.Please clean the solar panels reqularly of dust,debris and bird droppings,as this will keep thepanels output as it's highest efficiency for charging the batteries.

8、Product packaging

SOLAR STREET LIGHT
150
IP67
SOLAR STREET LIGHT
SOLAR LIGHT
ACCESSORIES

Packing List			
Model	Carton Size	Pcs/ctn	G.W(kg)
ZL78100	79.5X35X29CM	4	17.5
ZL78150	94.5X35X29CM	4	20.9
ZL78200	104X35X29CM	4	18.3
ZL78300	109X35X29CM	3	20.8
Non-adjustable stand	49X25X20CM	12	6.4
Adjustable stand	61X50.5X24 CM	12	14.8

9、Realshots from multiple angles