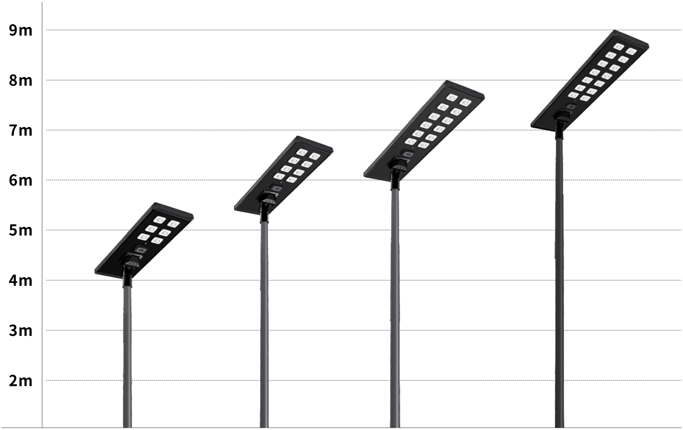
NEW DESIGN

TY-28 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


9m
8m
7m
6m
5m
4m
3m
2m

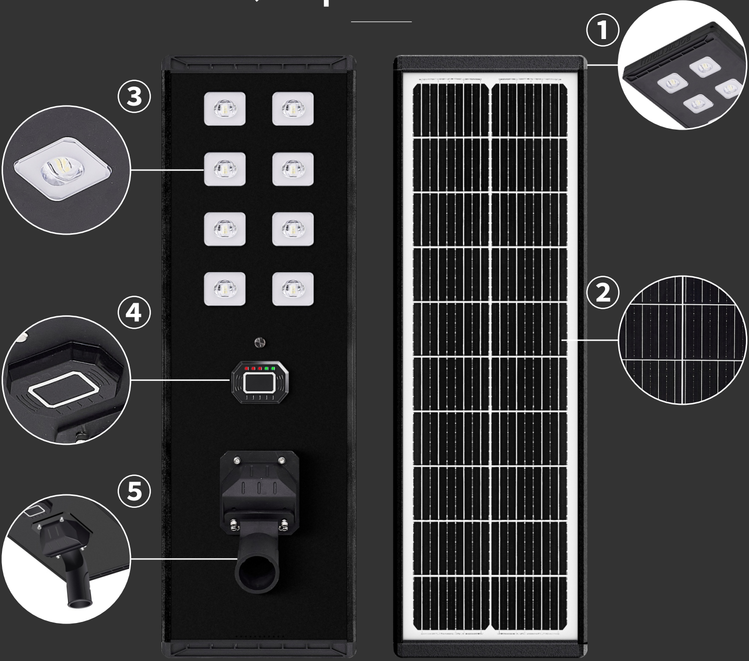
2、product specifications

3、product parameters

Model	TY-28300	TY-28400	TY-28500	TY-28600
Lamp Body Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Lens Material	PC	PC	PC	PC
Lamp Size	950*375*82mm	1100*375*82mm	1300*375*82mm	1500*375*82mm
LED Chip	6*9 54PCS SMD5054	8*9 72PCS SMD5054	12*9 108PCS SMD5054	18*9 126PCS SMD5054
Battery	LiFePO4 3.2V/54000mAh	LiFePO4 3.2V/60000mAh	LiFePO4 3.2V/72000mAh	LiFePO4 3.2V/84000mAh
Solar panel	5v55W 900*350mm	5v70W 1050*350mm	5v80W 1250*350mm	5v90W 1450*350mm
CCT	6500K-7500K	6500K-7500K	6500K-7500K	6500K-7500K
Charging Time	4-7H	4-8H	4-8H	4-9H
Discharge Time	15-18H	15-18H	15-18H	15-18H
Discharge Current	8.3A	9.3A	9.11A	13.5A

Radar Sensor	yes	yes	yes	yes
IP Rank	IP65	IP65	IP65	IP65
Luminous Flux	5291LM	5964LM	6293LM	6947LM

4、Exploded View



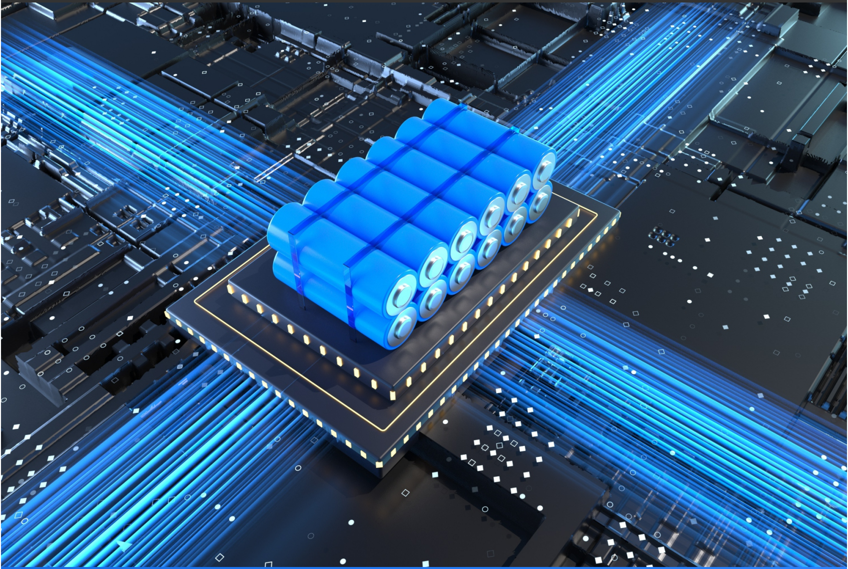
① Lamp shell

② Solar panel

③ LED light board + optical lens

④ Controller

⑤ Adjustable angle bracket



Space energy storage box
All-A lithium iron phosphate battery

High conversion

Recharge

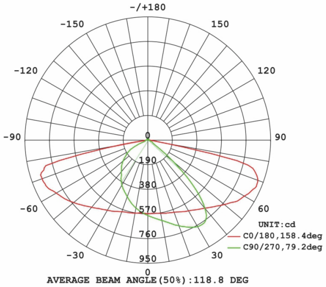
Long life

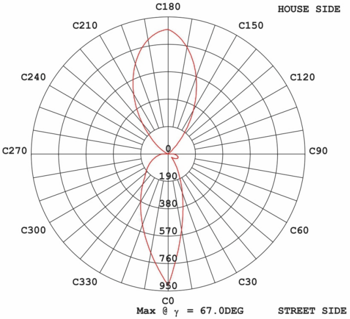
5、Light Distribution Curve

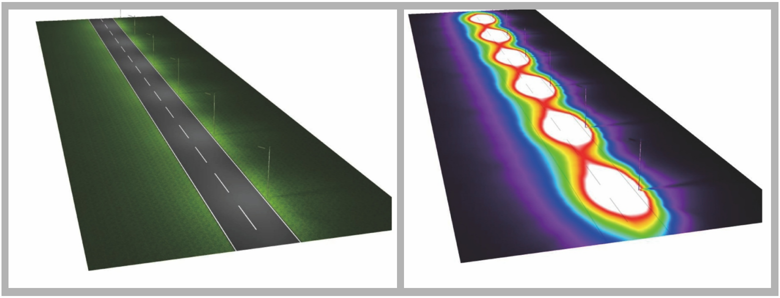
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM





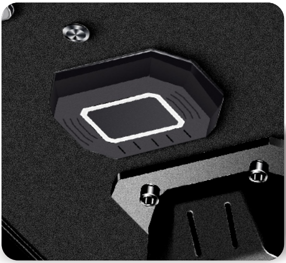


Large luminous angle,30%increase in irradiation area

Through professional optical design, this product is equipped with an opticallens of150*70, and the luminous angle is at the sameinstallation height,30%larger than the traditional 120 degree irradiation area.

6、 More Details

220LM/W High
efficiency LED

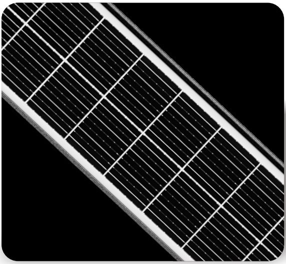


Controller+sensor+
charging indicator light

90°-180°angle
Adjustable stand

0°-90°angle
Adiustable stand

High strength
aluminum alloy frame



High-efficiency
mono solar cells:>22%

The Controller of 28 series adopts extremely simplified design, integratedcontroller, microwave induction, and magnetic switch in one which makes theoperation simple, the maintenance simple, and the stabilityis 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

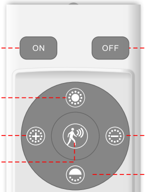
2.Battery Power indicators

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-On Time						
Power reduction in different modes	0.5H	1H	2H	1.5H	2H	6H
AUTO mode	100%	80%	60%	50%	40%	25%
Sensor mode	Trigger sensing mode			Sensing mode not triggered		
	100%			20%		

7、instructions of Remote Controller



Turn ON

Turn OFF

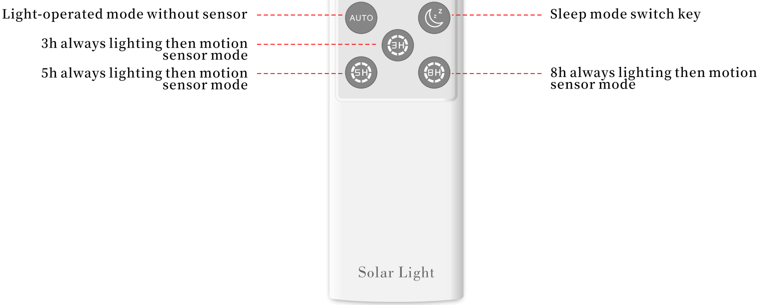
Increases the Brightness of the light

Increases the Brightness of the light

Decreases Brightness of the light

Radar

Decreases Brightness of the light

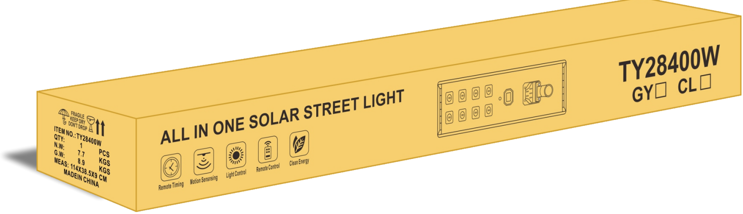

Light-operated mode without sensor
AUTO
Sleep mode switch key
3h always lighting then motion sensor mode
3H
5h always lighting then motion sensor mode
5H
8H
8h always lighting then motion sensor mode
Solar Light

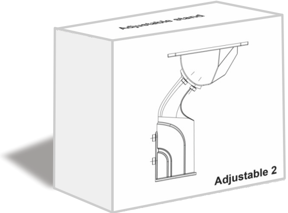
Mode 1	Bright from dusk to dawn, no sensor functionality	AUTO
Mode 2	With sensor function, it is 100% bright when people come and 30% when people leave. bright from dusk to dawn	Rader
Mode 3	No sensor functionality. Turn off the light after 3/5/8 hours.	AUTO+3/5/8
Mode 4	With sensor function, it is 100%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

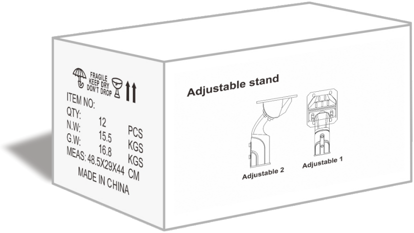
Tips:

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 ikelycause 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 warrantyimmediately
5.Pleaseclean 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


FRAGILE
KEEP DRY
DON'T DROP
ITEM NO.:TY28400W
QTY: 1 PCS
N.W: 7.7 KGS
G.W: 8.9 KGS
MEAS: 114X38.5X9 CM
MADEIN CHINA
ALL IN ONE SOLAR STREET LIGHT
Remote Timing
Motion Sensnsing
Light Control
Remote Control
Clean Energy
TY28400W
GY☐ CL☐


Adjustable stand
Adjustable 2


FRAGILE
KEEP DRY
DON'T DROP
ITEM NO:
QTY: 12 PCS
N.W: 15.5 KGS
G.W: 16.8 KGS
MEAS: 48.5X29X44 CM
MADE IN CHINA
Adjustable stand
Adjustable 2
Adjustable 1

Packing List

Model	Carton Size	Pcs/ctn	G.W(kg)
TY-28300	99x38.5x9cm	1	7.8
TY-28400	114x38.5x9cm	1	8.9
TY-28500	134x38.5x9cm	1	10,4
TY-28600	154x38.5x9cm	1	12
Adjustable stand	60x48.5x24cm	12	16.8

9、Realshots from multiple angles

SOLAR LIGHT