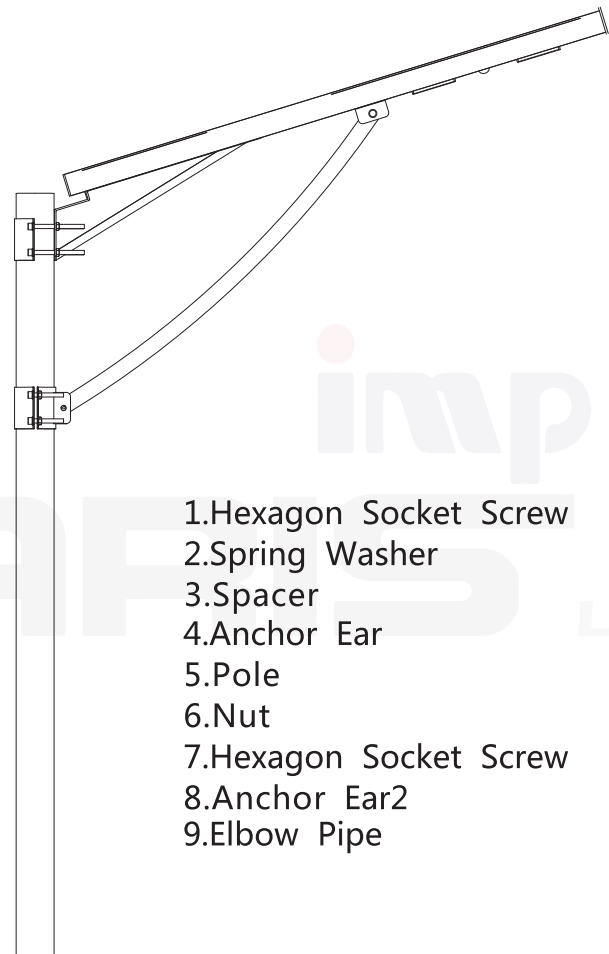
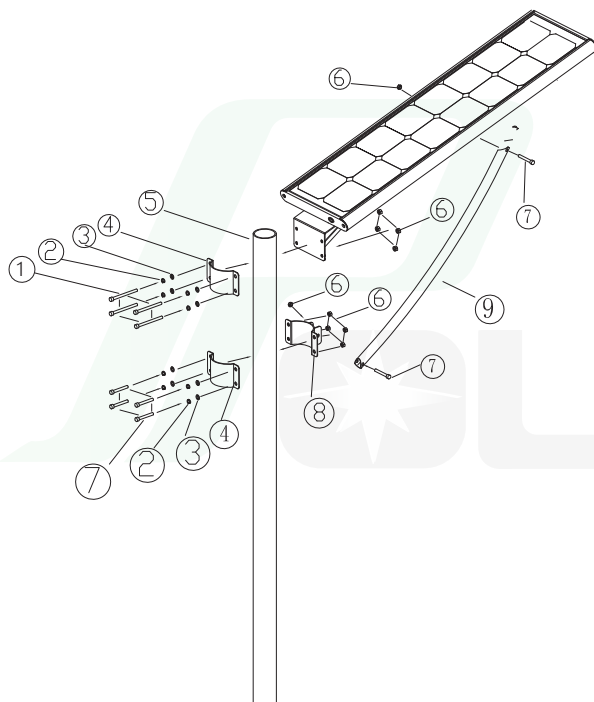


POLARISTM LED Integrated Solar Street Lights

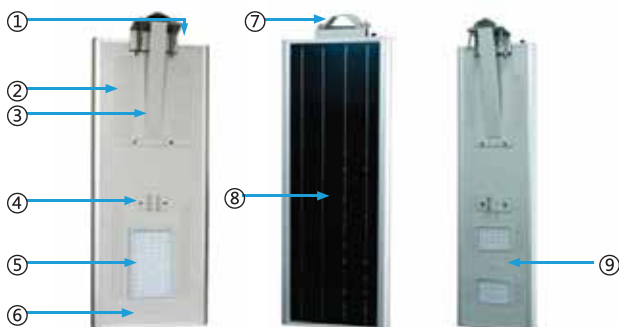
- *100% Solar energy : Free electric bill
- *No wire trenching : Cheaper installation fee
- *Led light source : Energy saving
- *Lithium Battery : Long circle life
- *Smart dim controll : Auto time / Pir motion sensor
- *Vibration alarm: 110 diabetes for any steal

Installation Diagram >>>>



- 1.Hexagon Socket Screw
- 2.Spring Washer
- 3.Spacer
- 4.Anchor Ear
- 5.Pole
- 6.Nut
- 7.Hexagon Socket Screw
- 8.Anchor Ear2
- 9.Elbow Pipe

Product Resolution Schematic >>>>



Without PIR Motion Sensor

With PIR Motion Sensor

- Switch
- Panel
- Base
- Support Base
- Light Source
- Battery Indicator
- Curved Curved Plate
- Solar Panels
- Human Infrared Sens or Head



Light Distribution

* Standard road width 3.5m: City main street/
Expressway/Parking lot/Public area

* Different type lens with different light
distribution to match the different street.

10w

25w

45w

60w

80w

Advised pole height

4-5m

6-7m

7-8m

8-10m

10-12m

Pole distance

12-15m

15-20m

20-25m

25-35m

35-40m

Road cover

1 road (3.5m)

2 road (7m)

2-3 road (7-10m)

3 road (9.5m)

3-4 road (9.5-14m)



solar panel

Monocrystalline
Grade A level
20%-22% conversion
rate
Performance well in
rainy day



Lithium battery

LiFePO4
Grade A level
More than 2000cycle life
3 years warranty
Pass:UN38.3 ,MSDS



Controller

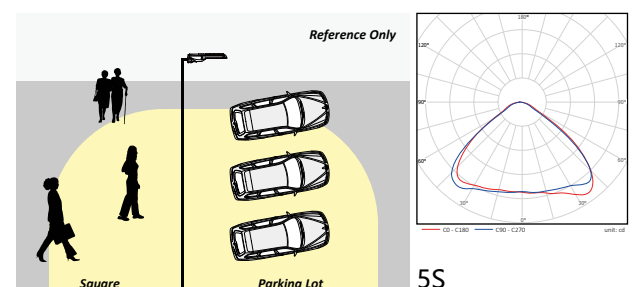
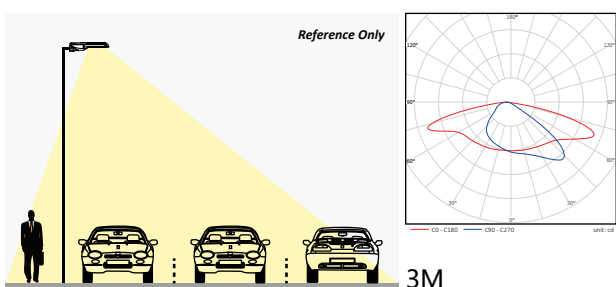
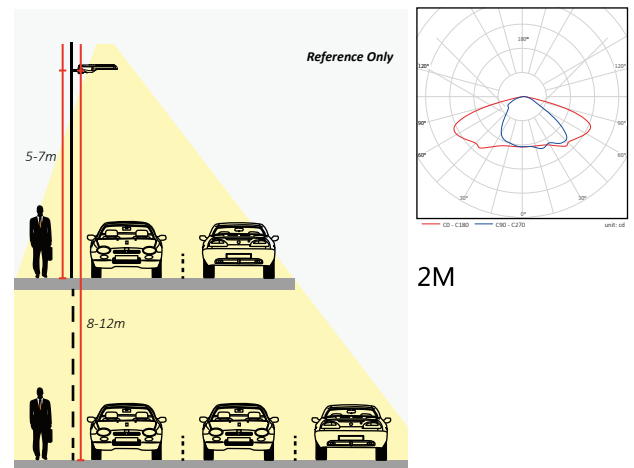
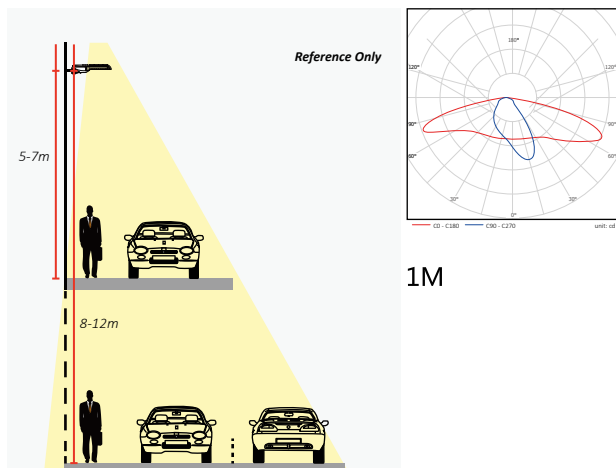
Auto time / motion dim
Smart dimming
Energy Saving
Protection function
Flexible parameter set
Intelligent battery management



Led

Bridgelux 45mil
224lm/w
LM-80

DETAILED FEATURES



Case Study : 70w HPS Comparison

* LUMINAIRE SPACING: 45M

* b2 CLASSIFIED ROAD + 2M SIDEWALKS

* ROAD WIDTH: 7M

* HEIGHT: 7M

	70W HPS lamp	solar led
Power consumption	86W	w 20
Spacing between luminaires (m)	45M	45m
Average illuminance (lux)	3.5	3.9
Minimum illuminance (lux)	1	1.1
Power consumption per km (W)	1911W	0

Case Study : 250w HPS Comparison

* LUMINAIRE SPACING: 37M

* A2/300VEH/HR/LN classified road

* ROAD WIDTH: 7.4M

* HEIGHT: 10M

	250W HPS lamp	solar led
Power consumption	275W	75w
Spacing between luminaires (m)	37M	37m
Average luminance (cd/m2)	1	1.19
Global uniformity -Uo (%)	57	57
Longitudinal uniformity - UI (%)	74	80
Glare - TI (%)	12	11.6
Power consumption per km (W)	7432	0

Real Projects

