LED Solar Area Light

BRIGHTEN YOUR LIFE

NEW LED TECHNOLOGY THAT ALLOWS THE COEXISTENCE OF ENVIRONMENTAL PROTECTION AND ENERGY SAVING

Benefits

1. Replace conventional Area Lights
2. Precision Die Cast Aluminum Housing
3. Fade Resistant Powder Coat Finish
4. Easy Installation
5. CE ROHS listed

CE RoHS ISO 9001 QUALITY ASSURED FIRM SGS

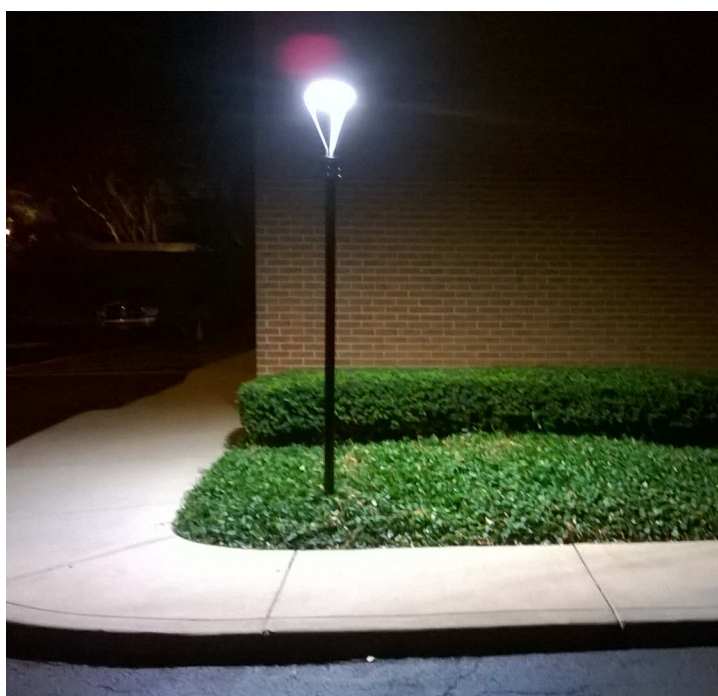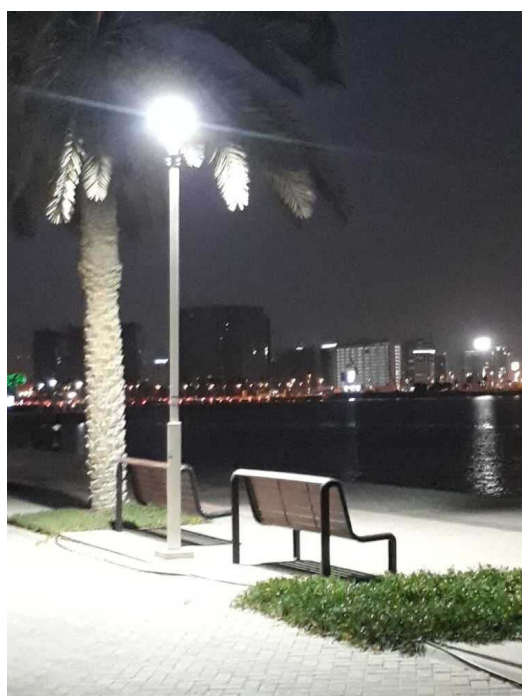|		
20-25W	20-25W	20-25W
50W	50W	50W

Features

1. Beam angle:120 degrees.

2. Aluminum die-casting heat sinks is good for heat dissipation.

3. It's major to replace the conventiona area light.

4. Green, energy saving, long and reliable life of 50,000 hours.

5. No RF interference, No IR/UV radiation ,no mercury pollution.

6. Wide colour availability in degrees Kelvin(K),2700-6700K.

7. Streamline exterior design, beautiful appearance.

8. Environment friendly ,energy saving (70~80%).

9. Special circuit design, each LED work separately,
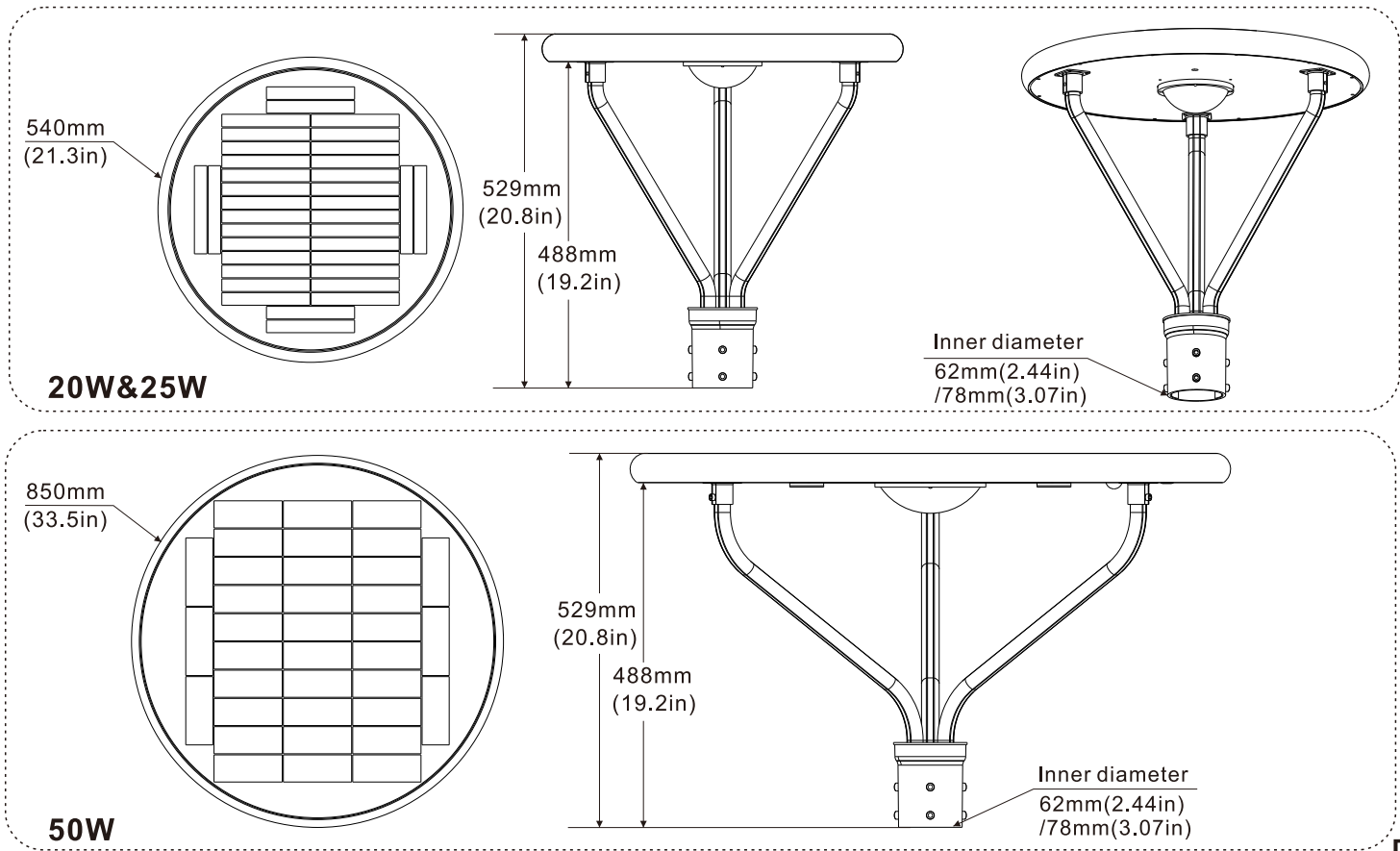
   avoiding the single broken LED influence problem.

SMD LED

Mounting brackets

Aluminum die-casting housing

Application

1. Area roadway/roadway lighting.
2. Parking areas lighting.
3. Airports lighting.
4. Streetscapes lighting.
5. Campuses lighting.

SPECIFICATIONS

LED MAX Power	20W	25W	50W
Model	BB-LD-S20W-AR-B	BB-LD-S25W-AR-B	BB-LD-S50W-AR-B
Solar panel Max power	18V/21W	18V/21W	18V/60W
Luminous Flux	3000-3200lm	3750-4000lm	7500-8000lm
Solar Panel Dimension	Dia540*41mm		Dia850*41mm
Mounting Height	3-5m		8-9m
Space Bettwen Light	10-15m		20-30m
Sensor	Default:PIR Sensor; Optional:Time Controller(no PIR Sensor). If you want PIR Sensor and Time Controller together, you must specify in advance.		Default:PIR Sensor& Time Controller together.
Luminous Efficacy	150-160lm/W		
Discharge Time	more than 10-12hours		
Charge Time	6-7hours(with enough strong shine)		
Solar Cell	High efficiency imported silicon solar cell		
Light Source	SMD LED		
Operation Temp.	-40 to +45℃		
CCT	2700K SW / 3000K WW / 4100K NW / 5000K DW / 5700K CW		
Life Span	50,000 hours		
IP	65		
Beam Angle	120°		
Warranty	3Years		

DIMENSIONAL DRAWING

540mm
(21.3in)

529mm
(20.8in)

488mm
(19.2in)

Inner diameter
62mm(2.44in)
/78mm(3.07in)

20W&25W

850mm
(33.5in)

529mm
(20.8in)

488mm
(19.2in)

Inner diameter
62mm(2.44in)
/78mm(3.07in)

50W

WORKING CHARACTERISTICS

20W&25W Solar light

Option 1 : PIR Sensor (Default Setting)

1.If with insufficient ambient light,sensored dark,lamp will on.

2.When motion is detected,it will 100% brightness. When no motion detected ofter hold time 120s, and then switches to 20% brightness after stand-by period.

3.If with sufficient ambient light, sensored daytime, lamp will off.

Option 2 : Timmer Control

Option 2.1: 3 Phase Timmer Smart Dimming Timmer Control

1.If with insufficient ambient light,sensored dark,lamp will on.First Time Phase 4 hours,100% brightness.

2.Second Time Phase 4 hours 60%,Last Time Phase 4 hours 10%.

3.Continue 10% until sensored daytime,lamp will off.

Option 2.2: 4 Phase Timmer Smart Dimming Timmer Control

1.If with insufficient ambient light,sensored dark,lamp will on.First Time Phase 3 hours,100% brightness.

2.Second Time Phase 3 hours 60%,Third Time Phase 3 hours 35%.Last 3 hours 10%.

3.Continue 10% until sensored daytime, lamp will off.

Notice : Defaul setting with Option 1, If no special demand.Defaul with remote control.

If you order Option 1,use the remote control cann't change to Option 2.1 or Optional 2.2.

Must tell us before order if you need Optional 1 + Optional 2.1 + Optional 2.2 .

50W Defaul setting as below :

Timmer Control & PIR Sensor Control

1.If with insufficient ambient light,sensored dark,lamp will on. First Time Phase 4 hours , When motion is detected,it will 100% brightness. When no motion detected ofter hold time 30s, and then switches to 30% brightness after stand-by period.

2.Second Time Phase 3 hours.When motion is detected,it will 60% brightness. When no motion detected ofter hold time 30s,and then switches to 20% brightness after stand-by period.

3.Third Time Phase 3 hours.When motion is detected,it will 30% brightness. When no motion detected ofter hold time 30s, and then switches to 20% brightness after stand-by period.

4.Forth Time Phase 6 hours.When motion is detected,it will 70% brightness. When no motion detected ofter hold time 30s,and then switches to 30% brightness after stand-by period.

5.While sensored daytim,lamp will off.

Note : IoT Smart Control , MPPT Smart Control all avaiable in 20w 25w 50w. If you need know more,pls contact salesman.

By using our 25W Area Light to replace 75W Metal Halide bulb for parking area lighting fixtures,the customer is now able to save a lot per month from his electric bill.
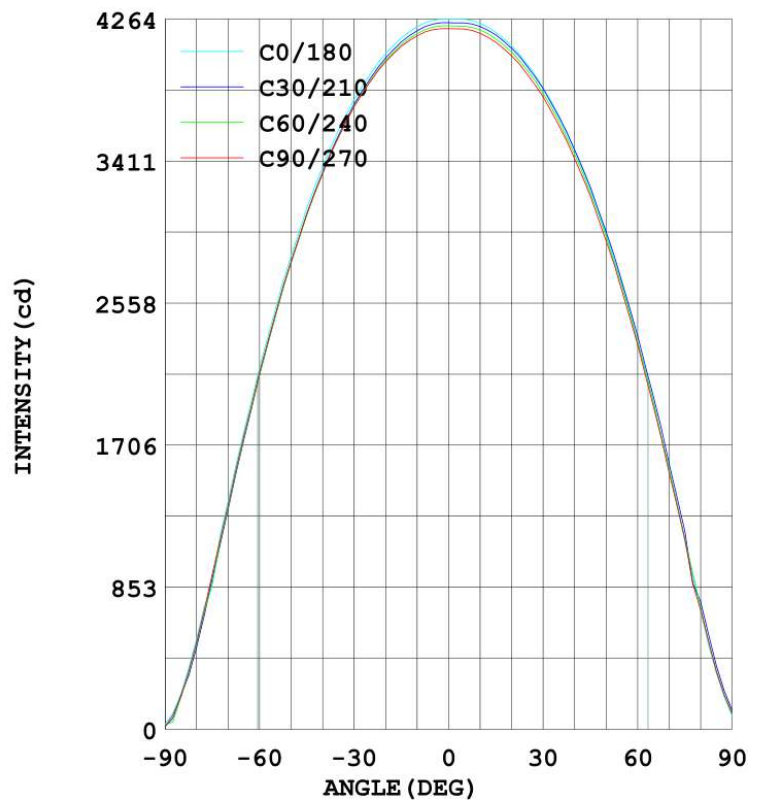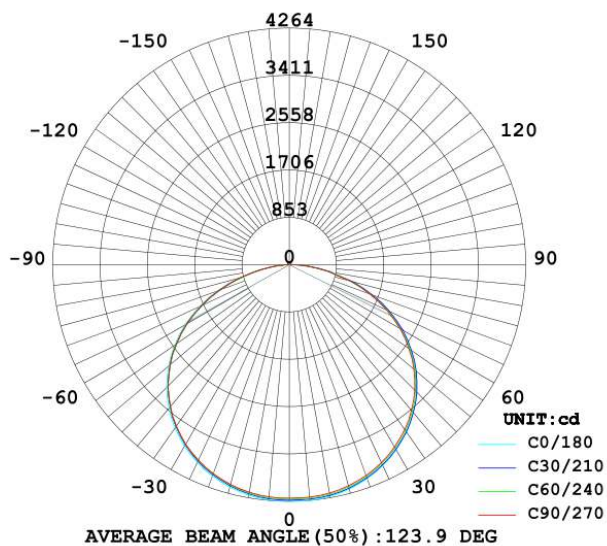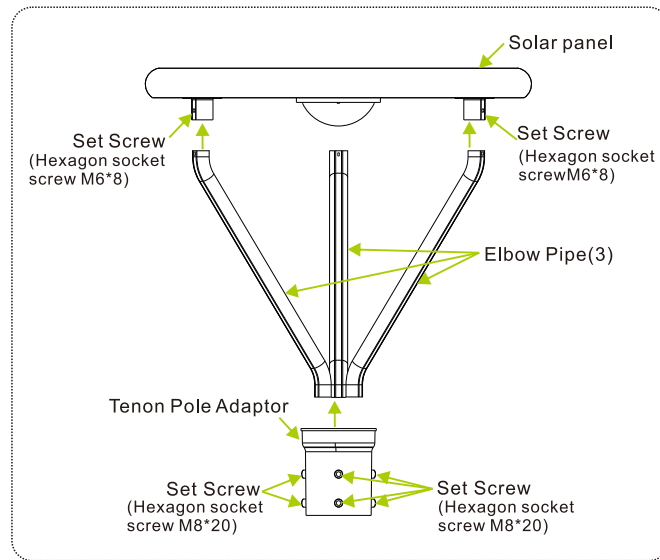
Replace

25W LED = 75W MH

Note :

• Don't take the LED lamp apart.

• The LED lamp must work under the right voltage according to the specification.

LUMINOUS INTENSITY DISTRIBUTION

UNIT:cd
C0/180
C30/210
C60/240
C90/270

AVERAGE BEAM ANGLE(50%):123.9 DEG

C0/180
C30/210
C60/240
C90/270

INTENSITY (cd)

ANGLE (DEG)

Fixture assembly

Step1: Secure the elbow pipes to the lamp body with 3 screws(Hexagon socket screws M6*8).

Step2: Secure the Tenon Pole Adaptor and elbow pipes with 3 screws(Flat head screw M4*20).

Step3: Check that all screws are not loose ,and then complete the fixture assembly.

Assemble physical map

1.The fitting has 3pcs elbows,1pc tenon pole adaptor,6pcs M8*20, 3pcs M4*20 and 3pcs M6*8 screws .
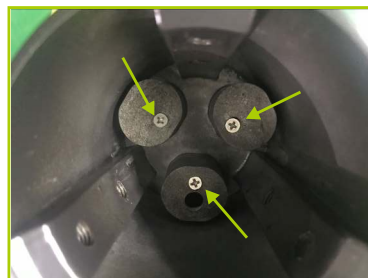

2.The lamp has three places where the elbow is installed.

3.Use a M6*8 screw to secure a elbow pipe, a total of three elbow pipes.

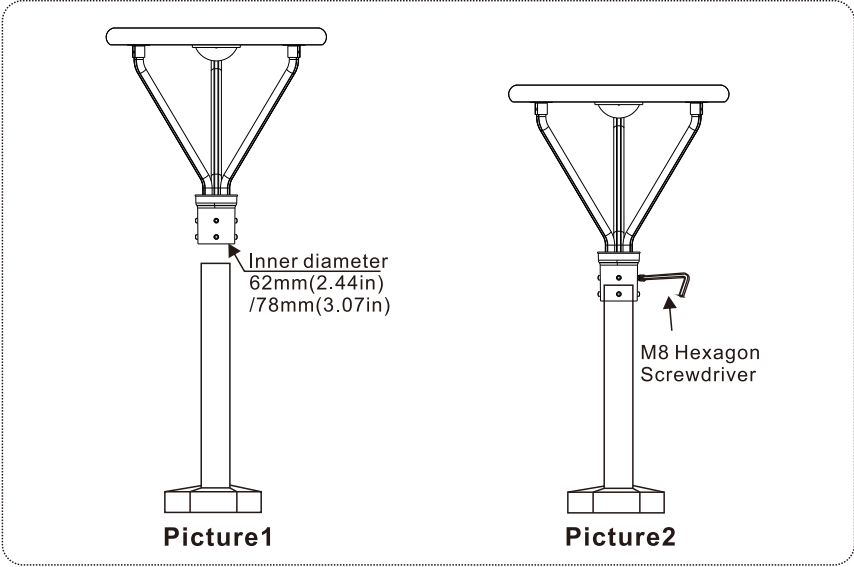4.Take the tenon pole adaptor,Place the three elbows under the tenon pole adaptor and align the holes.

5.Secure the elbows and tenon pole adaptor with 3pcs M4*20 screws.

6.Check all screws fixed tight and finished.

INSTALLATION

Pole mounting(no wiring)

Inner diameter
62mm(2.44in)
/78mm(3.07in)

M8 Hexagon
Screwdriver

Picture1　　　　**Picture2**

Step1: Turn off the power before installation.

Step2: Secure the Tenon Pole Adaptor and pole with 6 screws (Hexagon socket screws M8*20).

Step3: Check that all screws are not loose ,and then complete the pole mounting.

PACKING INFO

Item	Packaging	Carton Size(mm) (L*W*H)	N.W	G.W	Volume weight
20W&25W	1pc/CTN	710*610*150mm	10kg	11.6kg	16.0kg
50W	1pc/CTN	920*920*150mm	19.0kg	21.1kg	30.5kg