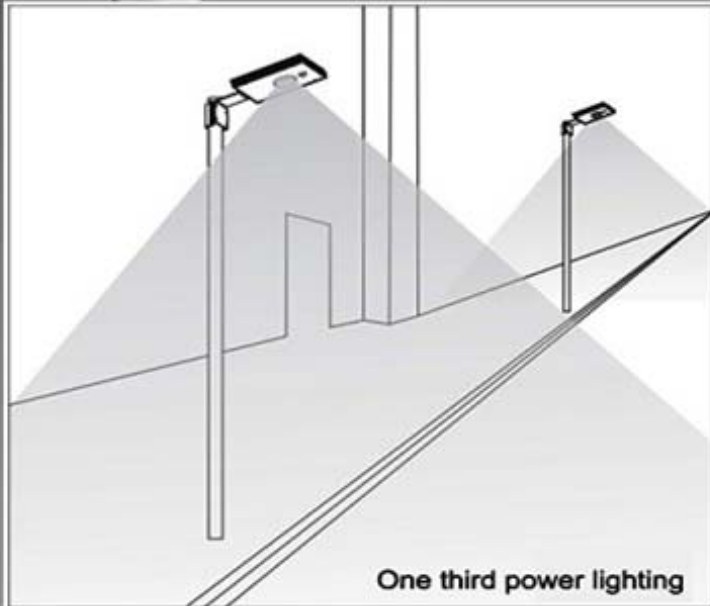


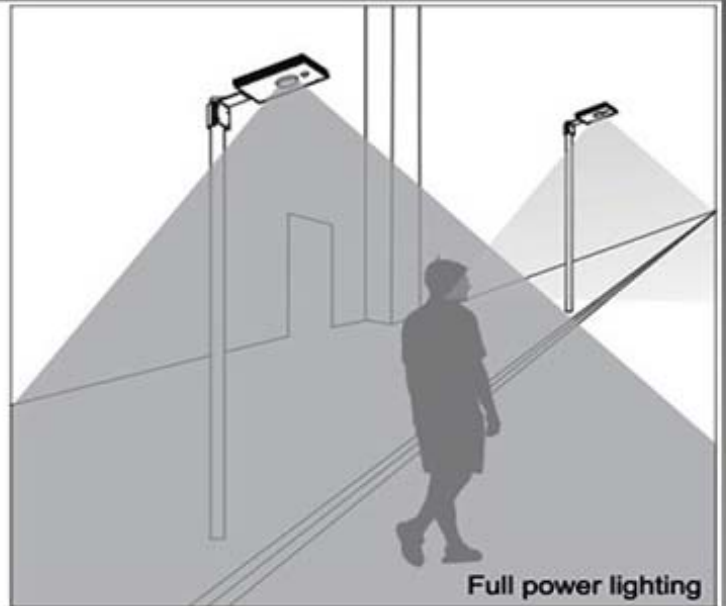


## PIR SENSOR

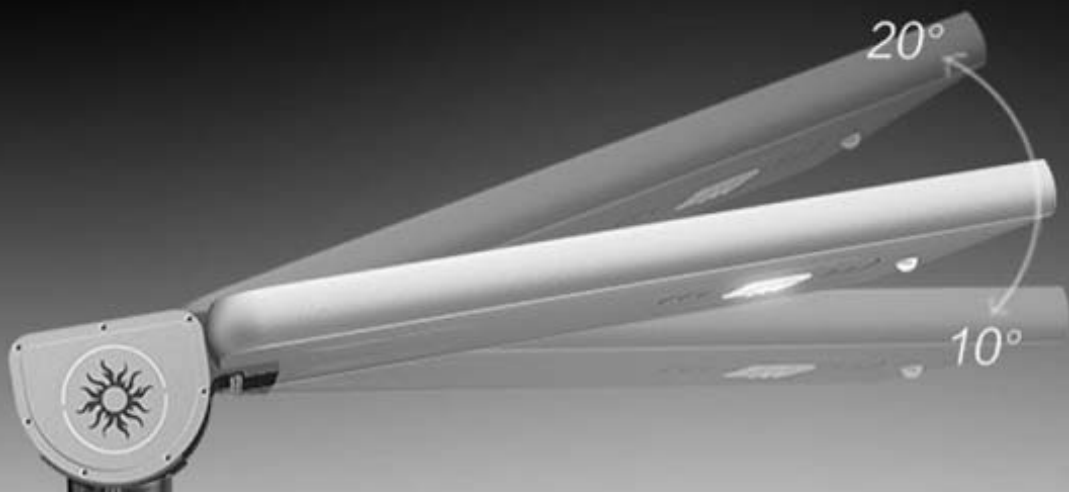
PIR Sensor, saving more energy  
Received sensing induction, full brightness,  
other time 30% brightness



One third power lighting



Full power lighting



## ADJUSTABLE MOUNTING CONNECTOR

Adjustable slope: 10-20 degree,  
Which will meet customers requirement from different region more widely.



## CV-VN15W

LED Brand	Philips/Samsung
LED Power	15W
Mono/poly	Mono
Solar Panel Power	45W
Battery Type	Li Battery
Battery Capacity	15AH

### SOLAR PANEL

Item No.	VSM-45W
Mono/poly	Mono
Size of solar cell	125*62.5
Number of cells(Pcs)	3*12
Maximum power(Wp)	45
Maximum power voltage(V)	18
Maximum power current(A)	2.5
Open circuit voltage(V)	22
Short circuit current(A)	2.78
Size of module(MM)	790*410*3.2
Weight per piece(kg)	3
Optimized cell efficiency	17.78%
Temperature Range	-45°C ~ +50°C
Surface Maximum Load Capacity	60m/S(200kg/sq.m)
Power Tolerance	±5%
Theory lifetime	25 years

### LITHIUM IRON PHOSPHATE BATTERY -15AH

Parameter	15AH	Battery size
Working Voltage	12.8V	132mm
Final Discharging Voltage	10.0V	148mm
Charging Voltage	14.6V	65mm
Maximum Charge Continuous Current	1.0 C5A	
Maximum Discharge Continuous Current	1.5 C5A	
Internal Resistance	≤190mΩ	
Lifespan	8years	
Operating Temperature Range	Charging 0-45°C Discharging -10-60°C	
Storage Temperature Range	less than one year :-20 ~ 25°C	
	less than three month:-20 ~ 40°C	
	less than one week:-20 ~ 65°C	

### LIGHTING DATA TABLE

Power15W	3M	4M	5M	6M	7M	8M	Mounting Height
LUX	25	23	20	16	12	8	3-5M

LED Brand	Philips/Samsung
LED Power	20W
Mono/poly	Mono
Solar Panel Power	45W
Battery Type	Li Battery
Battery Capacity	20AH

## CV-VN20W



### SOLAR PANEL

Item No.	VSM-45W
Mono/poly	Mono
Size of solar cell	125*62.5
Number of cells(Pcs)	3*12
Maximum power(Wp)	45
Maximum power voltage(V)	18
Maximum power current(A)	2.5
Open circuit voltage(V)	22
Short circuit current(A)	2.78
Size of module(MM)	790*410*3.2
Weight per piece(kg)	3
Optimized cell efficiency	17.78%
Temperature Range	-45°C ~ +50°C
Surface Maximum Load Capacity	60m/S(200kg/sq.m)
Power Tolerance	±5%
Theory lifetime	25 years

### LITHIUM IRON PHOSPHATE BATTERY -15AH

Parameter	20AH	Battery size
Working Voltage	12.8V	132mm
Final Discharging Voltage	10.0V	148mm
Charging Voltage	14.6V	65mm
Maximum Charge Continuous Current	1.0 C5A	
Maximum Discharge Continuous Current	1.5 C5A	
Internal Resistance	≤180mΩ	
Lifespan	8years	
Operating Temperature Range	Charging 0-45°C Discharging -10-60°C	
Storage Temperature Range	less than one year :-20 ~ 25°C	
	less than three month:-20 ~ 40°C	
	less than one week:-20 ~ 65°C	

### LIGHTING DATA TABLE

Power20W	3M	4M	5M	6M	7M	8M	Mounting Height
LUX	31	28	25	19	15	11	4-6M